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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 1989 - 1995

Yüksek Lisans, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Türkiye 1987 - 1989

Lisans, Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, Türkiye 1982 - 1986

Yaptığı Tezler

Doktora, Yüksek enerjili Yp çarpıştırıcılarında leptokuark üretimi, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), 1994

Yüksek Lisans, Müon-katalizörlü füzyon ve müanik moleküller, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 1989

Araştırma Alanları

Fizik, Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2016 - Devam Ediyor

Prof. Dr., Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2006 - Devam Ediyor

Doç. Dr., Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2000 - Devam Ediyor

Yrd. Doç. Dr., Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, 1997 - Devam Ediyor

Öğretim Görevlisi Dr., Ankara Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 1995 - Devam Ediyor

Araştırma Görevlisi, Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, 1987 - Devam Ediyor

Akademik İdari Deneyim

Anabilim Dalı Akademik Kurul Üyesi, Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2015 - Devam Ediyor

Bölüm Başkan Yardımcısı, Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2012 - 2015

Verdiği Dersler

Temel Elektronik, Lisans, 2023 - 2024
Fizikte Bilgisayar Uygulamaları, Lisans, 2022 - 2023
Yüksek Enerji Fiziğinde Hesaplama Yöntemleri, Yüksek Lisans, 2022 - 2023, 2016 - 2017
UZMANLIK ALAN DERSİ, Doktora, 2022 - 2023, 2021 - 2022
PARÇACIK ALGIÇLARI FİZİĞİ, Yüksek Lisans, 2021 - 2022
Tez Yönetimi, Doktora, 2022 - 2023, 2021 - 2022
Elektromanyetik Dalgalar, Lisans, 2022 - 2023
Elektromanyetik Teori, Lisans, 2021 - 2022
Yüksek enerji Fiziğinde Simülasyon Teknikleri, Doktora, 2021 - 2022
Teknik Elektrik, Lisans, 2017 - 2018, 2016 - 2017
İSTATİSTİK FİZİK VE TERMODİNAMİK, Lisans, 2016 - 2017, 2015 - 2016
Bilgisayar Programlama I, Lisans, 2014 - 2015

Yönetilen Tezler

ÇAKIR O., Radyasyon enerji aralığı 1 mev – 1 gev için geant4 ile plastik sintilatör algıcın benzetimi, Yüksek Lisans, S.ÖZŞİMŞEK(Öğrenci), 2020
ÇAKIR O., Düşük enerjili demet aktarımında manyetik alan hesabı ve magnet tasarımı, Yüksek Lisans, H.KOLENOĞLU(Öğrenci), 2020
ÇAKIR O., Büyük hadron çarpıştırıcısında W+BJET son durumlu yukarı sektör yeni kiral kuarkın ve uyarılmış kuarkın rezonant üretimi, Yüksek Lisans, A.CAN(Öğrenci), 2019
ÇAKIR O., Karbon-12 iyon kaynağı ile radyoterapi simülasyon çalışmaları, Yüksek Lisans, M.MEMÜR(Öğrenci), 2018
ÇAKIR O., Yüksek enerjili hadron çarpıştırıcılarında yüklü higgs bozonu üretimi ve bozunum kanalları, Yüksek Lisans, A.EZGİ(Öğrenci), 2017
ÇAKIR O., Radyo frekans dört kutuplusu tasarımı ve demet dinamiği hesapları, Yüksek Lisans, H.BETÜL(Öğrenci), 2015
ÇAKIR O., D0-D0 karışımlarında çeşni değiştiren yüksüz akım etkilerinin araştırılması, Yüksek Lisans, H.SAZAK(Öğrenci), 2013
ÇAKIR O., Çarpıştırıcılarda dördüncü aile kuarklarının üretimleri ve bozunumları, Doktora, V.ÇETİNKAYA(Öğrenci), 2013
ÇAKIR O., Elektron-pozitron çarpıştırıcılarında D mezonların çift üretimi, Yüksek Lisans, B.ZENGİN(Öğrenci), 2013
ÇAKIR O., Üçüncü aile sfermyonlarının karışım, üretim ve bozunumları, Doktora, V.ARI(Öğrenci), 2012
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ÇAKIR O., Yüksek enerjili çarpıştırıcılarda dikuarkların üretimi, Doktora, M.ŞAHİN(Öğrenci), 2009
ÇAKIR O., Elektron-pozitron çarpıştırıcılarında spin-3/2 uyarılmış leptonların üretimi ve bozunumu, Doktora, A.OZANSOY(Öğrenci), 2009
ÇAKIR O., Elektron-pozitron çarpışmalarında rezonans ve çift üretim süreçleri, Yüksek Lisans, V.ARI(Öğrenci), 2007
ÇAKIR O., Üst kuarkın FCNC üretimi, Yüksek Lisans, S.KUDAY(Öğrenci), 2005
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ÇAKIR O., Üst kuarkın nadir bozunumları, Yüksek Lisans, M.ŞAHİN(Öğrenci), 2003
ÇAKIR O., Üst kuarkın tek üretimi, Yüksek Lisans, B.DİLEÇ(Öğrenci), 2001

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. Search for pair-produced higgsinos decaying via Higgs or Z bosons to final states containing a pair of photons and a pair of b-jets with the ATLAS detector**
Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.856, 2024 (SCI-Expanded)
- II. Search for heavy Majorana neutrinos in $e^{\pm}e^{\pm}$ and $e^{\pm}\mu^{\pm}$ final states via WW scattering in pp collisions at $s=13$ TeV with the ATLAS detector**

Aad G., Aakvaag E., Abbott B., Abdelhameed S., Abeling K., Abicht N., Abidi S., Aboelela M., Aboulhorma A., Abramowicz H., et al.

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III. **Combination of searches for Higgs boson decays into a photon and a massless dark photon using pp collisions at $s = 13$ TeV with the ATLAS detector**

Aad G., Aakvaag E., Abbott B., Abdelhameed S., Abeling K., Abicht N., Abidi S., Aboelela M., Aboulhorma A., Abramowicz H., et al.

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IV. **Search for leptoquark pair production decaying into $te\text{-}t\bar{e}+$ or $t\mu\text{-}t\bar{\mu}+$ in multi-lepton final states in pp collisions at $s = 13$ TeV with the ATLAS detector**

Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Hoffman A. C. A., et al.

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V. **Measurement of the $VH,H \rightarrow \tau\tau$ process with the ATLAS detector at 13 TeV**

Aad G., Aakvaag E., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.855, 2024 (SCI-Expanded)

VI. **Measurement of ZZ production cross-sections in the four-lepton final state in pp collisions at $s = 13.6$ TeV with the ATLAS experiment**

Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Acharya B., et al.

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VII. **Searches for exclusive Higgs boson decays into $D^*\gamma$ and Z boson decays into $D0\gamma$ and $Ks0\gamma$ in pp collisions at $s = 13$ TeV with the ATLAS detector**

Aad G., Aakvaag E., Abbott B., Abeling K., Abicht N., Abidi S., Aboelela M., Aboulhorma A., Abramowicz H., Abreu H., et al.

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VIII. **Search for low-mass resonances decaying into two jets and produced in association with a photon or a jet at Formula Presented with the ATLAS detector**

Filmer E., Grant C., Jackson P., Kong A., Pandya H., Potti H., Ruggeri T., Saha S., Ting E., White M., et al.

Physical Review D, sa.3, 2024 (SCI-Expanded)

IX. **Search for non-resonant Higgs boson pair production in final states with leptons, taus, and photons in pp collisions at $s = 13$ TeV with the ATLAS detector**

Aad G., Aakvaag E., Abbott B., Abdelhameed S., Abeling K., Abicht N., Abidi S., Aboelela M., Aboulhorma A., Abramowicz H., et al.

Journal of High Energy Physics, cilt.2024, sa.8, 2024 (SCI-Expanded)

X. **Search for the nonresonant production of Higgs boson pairs via gluon fusion and vector-boson fusion in the Formula Presented final state in proton-proton collisions at Formula Presented with the ATLAS detector**

Filmer E., Grant C., Jackson P., Kong A., Pandya H., Potti H., Ruggeri T., Saha S., Ting E., White M., et al.

Physical Review D, cilt.110, sa.3, 2024 (SCI-Expanded)

XI. **Statistical Combination of ATLAS Run 2 Searches for Charginos and Neutralinos at the LHC**

Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Acharya B., et al.

Physical review letters, cilt.133, sa.3, ss.31802, 2024 (SCI-Expanded)

XII. **Observation of electroweak production of $W+W^-$ in association with jets in proton-proton collisions at $s = 13$ TeV with the ATLAS detector**

Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Acharya B., et al.

Journal of High Energy Physics, cilt.2024, sa.7, 2024 (SCI-Expanded)

XIII. **Search for pair-production of vector-like quarks in lepton+jets final states containing at least one b-**

tagged jet using the Run 2 data from the ATLAS experiment

Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Acharya B., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.854, 2024 (SCI-Expanded)

XIV. Measurement of t-channel single-top-quark production in pp collisions at $s=5.02$ TeV with the ATLAS detector

Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Acharya B., et al.

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XV. A search for top-squark pair production, in final states containing a top quark, a charm quark and missing transverse momentum, using the 139 fb^{-1} of pp collision data collected by the ATLAS detector

Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Acharya B., et al.

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XVI. Inclusive and differential cross-section measurements of $t\bar{t}Z$ production in pp collisions at $s = 13$ TeV with the ATLAS detector, including EFT and spin-correlation interpretations

Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Acharya B., et al.

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XVII. Measurement of vector boson production cross sections and their ratios using pp collisions at $s=13.6$ TeV with the ATLAS detector

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XVIII. Search for charged-lepton-flavor violating Formula Presented interactions in top-quark production and decay in Formula Presented collisions at Formula Presented with the ATLAS detector at the LHC

Filmer E., Grant C., Jackson P., Kong A., Pandya H., Potti H., Ruggieri T., Saha S., Ting E., White M., et al.

Physical Review D, cilt.110, sa.1, 2024 (SCI-Expanded)

XIX. Measurement of the Z boson invisible width at $s=13$ TeV with the ATLAS detector

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Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.854, 2024 (SCI-Expanded)

XX. Search for short- and long-lived axion-like particles in $H \rightarrow a\bar{a} \rightarrow 4\gamma$ decays with the ATLAS experiment at the LHC

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European Physical Journal C, cilt.84, sa.7, 2024 (SCI-Expanded)

XXI. Combination of searches for pair-produced leptoquarks at $s=13$ TeV with the ATLAS detector

Aad G., Aakvaag E., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., et al.

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XXII. Search for flavour-changing neutral-current couplings between the top quark and the Higgs boson in multi-lepton final states in 13 TeV pp collisions with the ATLAS detector

Aad G., Aakvaag E., Abbott B., Abeling K., Abicht N., Abidi S., Aboelela M., Aboulhorma A., Abramowicz H., Abreu H., et al.

European Physical Journal C, cilt.84, sa.7, 2024 (SCI-Expanded)

XXIII. Combination of Measurements of the Top Quark Mass from Data Collected by the ATLAS and CMS Experiments at Formula Presented and 8 TeV

Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Hussain P., Jeitler M., et al.

- Physical Review Letters, cilt.132, sa.26, 2024 (SCI-Expanded)
- XXIV. **Combination of Searches for Resonant Higgs Boson Pair Production Using Formula Presented Collisions at Formula Presented with the ATLAS Detector**
Filmer E., Grant C., Jackson P., Kong A., Pandya H., Potti H., Ruggeri T., Ting E., White M., Gingrich D., et al.
Physical Review Letters, cilt.132, sa.23, 2024 (SCI-Expanded)
- XXV. **Search for singly produced vectorlike top partners in multilepton final states with Formula Presented of Formula Presented collision data at Formula Presented with the ATLAS detector**
Filmer E., Jackson P., Kong A., Potti H., Ruggeri T., Ting E., White M., Gingrich D., Lindon J., Nishu N., et al.
Physical Review D, cilt.109, sa.11, 2024 (SCI-Expanded)
- XXVI. **Beam-induced backgrounds measured in the ATLAS detector during local gas injection into the LHC beam vacuum**
Aad G., Aakvaag E., Abbott B., Abdelhameed S., Abeling K., Abicht N., Abidi S., Aboelela M., Aboulhorma A., Abramowicz H., et al.
Journal of Instrumentation, cilt.19, sa.6, 2024 (SCI-Expanded)
- XXVII. **Search for high-mass resonances in final states with a Formula Presented-lepton and missing transverse momentum with the ATLAS detector**
Jackson P., Kong A., Potti H., Ruggeri T., Sharma A., White M., Gingrich D., Lindon J., Nishu N., Pinfeld J., et al.
Physical Review D, cilt.109, sa.11, 2024 (SCI-Expanded)
- XXVIII. **The ATLAS trigger system for LHC Run 3 and trigger performance in 2022**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- XXIX. **Measurement of jet substructure in boosted Formula Presented events with the ATLAS detector using Formula Presented of 13 TeV Formula Presented collisions**
Filmer E., Grant C., Jackson P., Kong A., Pandya H., Potti H., Ruggeri T., Ting E., White M., Gingrich D., et al.
Physical Review D, cilt.109, sa.11, 2024 (SCI-Expanded)
- XXX. **Search for pair production of higgsinos in events with two Higgs bosons and missing transverse momentum in Formula Presented Formula Presented collisions at the ATLAS experiment**
Filmer E., Grant C., Jackson P., Kong A., Pandya H., Potti H., Ruggeri T., Ting E., White M., Gingrich D., et al.
Physical Review D, cilt.109, sa.11, 2024 (SCI-Expanded)
- XXXI. **Search for Nearly Mass-Degenerate Higgsinos Using Low-Momentum Mildly Displaced Tracks in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector**
Aad G., Aakvaag E., Abbott B., Abeling K., Abicht N., Abidi S., Aboelela M., Aboulhorma A., Abramowicz H., Abreu H., et al.
Physical review letters, cilt.132, sa.22, ss.221801, 2024 (SCI-Expanded)
- XXXII. **Azimuthal Angle Correlations of Muons Produced via Heavy-Flavor Decays in 5.02 TeV Pb+Pb and pp Collisions with the ATLAS Detector**
Filmer E., Grant C., Jackson P., Kong A., Pandya H., Potti H., Ruggeri T., Ting E., White M., Gingrich D., et al.
Physical Review Letters, cilt.132, sa.20, 2024 (SCI-Expanded)
- XXXIII. **Performance of the ATLAS forward proton Time-of-Flight detector in Run 2**
Filmer E., Grant C., Jackson P., Kong A., Pandya H., Potti H., Ruggeri T., Ting E., White M., Gingrich D., et al.
Journal of Instrumentation, cilt.19, sa.5, 2024 (SCI-Expanded)
- XXXIV. **Search for new particles in final states with a boosted top quark and missing transverse momentum in proton-proton collisions at $s = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Acharya B., et al.
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- XXXV. **Improving topological cluster reconstruction using calorimeter cell timing in ATLAS**
Zwalinski L., Zou W., Zormpa O., Zorbass T., Zoch K., Zoccoli A., Živković L., Ziolkowski M., Zinsser J., Zimine N., et al.
European Physical Journal C, cilt.84, sa.5, 2024 (SCI-Expanded)
- XXXVI. **The ATLAS experiment at the CERN Large Hadron Collider: a description of the detector**

configuration for Run 3

Amerl M., Filmer E., Jackson P., Kong A., Potti H., Ruggeri T., Ting E., White M., Davis P., Gingrich D., et al.
Journal of Instrumentation, cilt.19, sa.5, 2024 (SCI-Expanded)

XXXVII. **Study of High-Transverse-Momentum Higgs Boson Production in Association with a Vector Boson in the $\langle i \rangle q\bar{q}bb\langle /i \rangle$ Final State with the ATLAS Detector**

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

PHYSICAL REVIEW LETTERS, cilt.132, sa.13, 2024 (SCI-Expanded)

XXXVIII. **A precise measurement of the Z-boson double-differential transverse momentum and rapidity distributions in the full phase space of the decay leptons with the ATLAS experiment at $s=8$ TeV**

Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.

European Physical Journal C, cilt.84, sa.3, 2024 (SCI-Expanded)

XXXIX. **Measurement of the Centrality Dependence of the Dijet Yield in p plus Pb Collisions at $\sqrt{s_{NN}}=8.16$ TeV with the ATLAS Detector**

Filmer E., Grant C., Jackson P., Kong A., Pandya H., Potti H., Ruggeri T., Ting E., White M., Gingrich D., et al.

PHYSICAL REVIEW LETTERS, sa.10, 2024 (SCI-Expanded)

XL. **Search for New Phenomena in Two-Body Invariant Mass Distributions Using Unsupervised Machine Learning for Anomaly Detection at $p\sqrt{s}=13$ TeV ffi with the ATLAS Detector**

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

PHYSICAL REVIEW LETTERS, cilt.132, sa.8, 2024 (SCI-Expanded)

XLI. **Search for non-resonant Higgs boson pair production in the $2b+2\ell+ET_{miss}$ final state in pp collisions at $s = 13$ TeV with the ATLAS detector**

Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Acharya B., et al.

Journal of High Energy Physics, cilt.2024, sa.2, 2024 (SCI-Expanded)

XLII. **Study of $\langle i \rangle Z\langle /i \rangle \rightarrow \langle i \rangle ll\langle /i \rangle \gamma$ decays at $\sqrt{\langle i \rangle s\langle /i \rangle}=8$ TeV with the ATLAS detector**

Aad G., Abbott B., Abbott D. C., Abeling K., Abidi S. H., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A. C., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.84, sa.2, 2024 (SCI-Expanded)

XLIII. **Electron and photon energy calibration with the ATLAS detector using LHC Run 2 data**

Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Acharya B., et al.

JOURNAL OF INSTRUMENTATION, cilt.19, sa.2, 2024 (SCI-Expanded)

XLIV. **Search for top-philic heavy resonances in $\langle i \rangle pp\langle /i \rangle$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**

Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.84, sa.2, 2024 (SCI-Expanded)

XLV. **Search for pair production of squarks or gluinos decaying via sleptons or weak bosons in final states with two same-sign or three leptons with the ATLAS detector**

Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.

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XLVI. **Probing the $\langle i \rangle CP\langle /i \rangle$ nature of the top-Higgs Yukawa coupling in $\langle i \rangle t\langle /i \rangle (\langle i \rangle t\langle /i \rangle)\overline{\langle i \rangle H}\langle /i \rangle$ and $\langle i \rangle tH\langle /i \rangle$ events with $\langle i \rangle H\langle /i \rangle \rightarrow \langle i \rangle b\langle /i \rangle (\langle i \rangle b\langle /i \rangle)\overline{\langle i \rangle H}\langle /i \rangle$ decays using the ATLAS detector at the LHC**

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PHYSICS LETTERS B, cilt.849, 2024 (SCI-Expanded)

- XLVII. **Measurement of the production cross-section of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Acharya B., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.84, sa.2, 2024 (SCI-Expanded)
- XLVIII. **Search for quantum black hole production in lepton plus jet final states using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.
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- CI. **Anomaly detection search for new resonances decaying into a Higgs boson and a generic new particle X in hadronic final states using $\sqrt{s}=13$ TeV $\langle i \rangle pp \langle /i \rangle$ collisions with the ATLAS detector**
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- CXIV. **Search for flavor-changing neutral-current couplings between the top quark and the Z boson with proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector**
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- CXV. **Search for displaced photons produced in exotic decays of the Higgs boson using 13 TeV pp collisions with the ATLAS detector**
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- CXVI. **New techniques for jet calibration with the ATLAS detector**
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- CXVII. **Measurement of the production of a W boson in association with a charmed hadron in pp collisions at $p s=13\text{ TeV}$ with the ATLAS detector**
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- CXVIII. **Evidence for the charge asymmetry in (Formula presented.) production at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector**
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- CXIX. **Search for the charged-lepton-flavor-violating decay $Z \rightarrow e\mu$ in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector**
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- CXX. **Studies of the muon momentum calibration and performance of the ATLAS detector with pp collisions at $\sqrt{s}=13\text{ TeV}$**
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- CXXI. **Measurements of $W+W-$ production in decay topologies inspired by searches for electroweak supersymmetry**
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- CXXII. **Measurement of the inclusive $t(\bar{t})$ over-bar production cross section in the lepton plus jets channel in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector using**

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- CXXIII. **Search for pair-produced vector-like top and bottom partners in events with large missing transverse momentum in pp collisions with the ATLAS detector**
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- CXXIV. **Measurements of Higgs boson production by gluon-gluon fusion and vector-boson fusion using $H \rightarrow WW^*$ or $H \rightarrow e^+e^- \mu^+\mu^-$ decays in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
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- CXXV. **Calibration of the light-flavour jet mistagging efficiency of the b-tagging algorithms with Z+jets events using 139 fb⁻¹ of ATLAS proton-proton collision data at $\sqrt{s}=13$ TeV**
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- CXXVI. **Search for an axion-like particle with forward proton scattering in association with photon pairs at ATLAS**
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- CXXVII. **Search for single production of vector-like T or Z_t quarks decaying into Ht or Zt in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
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- CXXVIII. **Search for flavour-changing neutral-current couplings between the top quark and the photon with the ATLAS detector at $\sqrt{s}=13$ TeV**
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- CXXIX. **Combination of searches for invisible decays of the Higgs boson using 139 fb⁻¹ of proton-proton collision data at $\sqrt{s}=13$ TeV collected with the ATLAS experiment**
Aad G., Abbott B., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., Acharya B., et al.
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- CXXX. **Search for $t\bar{t} H/A \rightarrow t\bar{t} t\bar{t}$ production in the multilepton final state in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
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- CXXXI. **Search for pair-produced scalar and vector leptoquarks decaying into third-generation quarks and first- or second-generation leptons in pp collisions with the ATLAS detector**
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- CXXXII. **Combination of inclusive top-quark pair production cross-section measurements using ATLAS and CMS data at $\sqrt{s}=7$ and 8 TeV**
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- CXXXIII. **ATLAS flavour-tagging algorithms for the LHC Run 2 $\langle i \rangle pp \langle /i \rangle$ collision dataset**
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- CXXXIV. **Search for excited τ -leptons and leptoquarks in the final state with τ -leptons and jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
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- CXXXV. **Charged-hadron production in pp, p plus Pb, Pb plus Pb, and Xe plus Xe collisions at $\sqrt{s_{NN}}=5$ TeV with the ATLAS detector at the LHC**
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- CXXXVI. **Measurement of cross sections for production of a Z boson in association with a flavor-inclusive or doubly b-tagged large-radius jet in proton-proton collisions at $p s=13$ TeV with the ATLAS experiment**
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- CXXXVII. **Searches for lepton-flavour-violating decays of the Higgs boson into $e\tau$ and $\mu\tau$ in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector**
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- CXXXVIII. **Inclusive-photon production and its dependence on photon isolation in $\langle i \rangle pp \langle /i \rangle$ collisions at $\sqrt{s}=13$ TeV using 139 fb^{-1} of ATLAS data**
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- CXXXIX. **Search for new phenomena in final states with photons, jets and missing transverse momentum in $\langle i \rangle pp \langle /i \rangle$ collisions at $\sqrt{\langle i \rangle s \langle /i \rangle}=13$ TeV with the ATLAS detector**
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- CXL. **Measurement of single top-quark production in the s-channel in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
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- CXLI. **Search in diphoton and dielectron final states for displaced production of Higgs or Z bosons with the ATLAS detector in $p s=13$ TeV pp collisions**
 Amerl M., Filmer E., Jackson P., Kong A., Potti H., Ruggeri T., Ting E., White M., Gingrich D., Lindon J., et al.
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- CXLII. **Measurements of $Z\gamma$ +jets differential cross sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
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- CXLIII. **Inclusive and differential cross-sections for dilepton $t\bar{t}$ production measured in $\sqrt{s} = 13$ TeV pp**

collisions with the ATLAS detector

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CXLIV. **A search for heavy Higgs bosons decaying into vector bosons in same-sign two-lepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**

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CXLV. **Search for heavy, long-lived, charged particles with large ionisation energy loss in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS experiment and the full Run 2 dataset**

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

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CXLVI. **Search for resonant and non-resonant Higgs boson pair production in the $b\bar{b}\tau^+\tau^-$ decay channel using 13TeV pp collision data from the ATLAS detector**

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

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CXLVII. **Search for dark matter produced in association with a single top quark and an energetic W boson in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector**

Aad G., Abbott B., Abbott D. C., Abeling K., Abidi S. H., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A. C., et al.

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CXLVIII. **Search for dark photons from Higgs boson decays via ZH production with a photon plus missing transverse momentum signature from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**

Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.

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CXLIX. **Search for long-lived, massive particles in events with displaced vertices and multiple jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**

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CL. **Search for high-mass $W\gamma$ and $Z\gamma$ resonances using hadronic W/Z boson decays from 139 fb^{-1} of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

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CLI. **Search for doubly charged Higgs boson production in multi-lepton final states using 139 fb^{-1} of proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**

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CLII. **Search for dark matter produced in association with a dark Higgs boson decaying into $W^+ W^-$ in the one-lepton final state at $\sqrt{s} = 13$ TeV using 139 fb^{-1} of pp collisions recorded with the ATLAS detector**

Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.

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- CLIII. **Measurement of the CP properties of Higgs boson interactions with τ -leptons with the ATLAS detector**
Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., AbouZeid O. S., Abraham N. L., Abramowicz H., et al.
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- CLIV. **Search for boosted diphoton resonances in the 10 to 70 GeV mass range using 138 fb⁻¹ of 13 TeV pp collisions with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
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- CLV. **Search for supersymmetry in final states with missing transverse momentum and three or more b-jets in 139 fb⁻¹ of proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., AbouZeid O. S., Abraham N. L., Abramowicz H., et al.
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- CLVI. **Exclusive dielectron production in ultraperipheral Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ATLAS**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
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- CLVII. **Search for a new Z' gauge boson in 4 μ events with the ATLAS experiment**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
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- CLVIII. **Search for a new scalar resonance in flavour-changing neutral-current top-quark decays $t \rightarrow qX$ ($q = u, c$), with $X \rightarrow b\bar{b}$, in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
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- CLIX. **Search for new phenomena in multi-body invariant masses in events with at least one isolated lepton and two jets using $\sqrt{s} = 13$ TeV proton-proton collision data collected by the ATLAS detector**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
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- CLX. **Model-independent search for the presence of new physics in events including $H \rightarrow \gamma\gamma$ with $\sqrt{s}=13$ TeV pp data recorded by the ATLAS detector at the LHC**
Aad G., Abbott B., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., Acharya B., et al.
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- CLXI. **Measurement of exclusive pion pair production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Hoffman A. C. A., et al.
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- CLXII. **Determination of the strong coupling constant from transverse energy-energy correlations in multijet events at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., Acharya B., et al.
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- CLXIII. **Search for third-generation vector-like leptons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**

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- CLXIV. **Search for resonant WZ production in the fully leptonic final state in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D. C., Abeling K., Abidi S. H., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A. C., et al.
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- CLXV. **Measurement of the properties of Higgs boson production at $\sqrt{s}=13$ TeV in the $H \rightarrow \gamma\gamma$ channel using 139 fb^{-1} of pp collision data with the ATLAS experiment**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
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- CLXVI. **Observation of four-top-quark production in the multilepton final state with the ATLAS detector**
Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Hoffman A. C. A., et al.
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- CLXVII. **Cross-section measurements for the production of a Z boson in association with high-transverse-momentum jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
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- CLXVIII. **Measurement of electroweak $Z(\nu\bar{\nu})\gamma\gamma$ production and limits on anomalous quartic gauge couplings in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
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- CLXIX. **Measurement of the $t\bar{t}$ production cross-section in pp collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
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- CLXX. **Constraints on spin-0 dark matter mediators and invisible Higgs decays using ATLAS 13 TeV pp collision data with two top quarks and missing transverse momentum in the final state**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Hoffman A. C. A., et al.
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- CLXXI. **Measurements of observables sensitive to colour reconnection in $t(\bar{t})$ events with the ATLAS detector at $\sqrt{s}=13$ TeV**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Hoffman A. C. A., et al.
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- CLXXII. **Search for heavy resonances decaying into a Z or W boson and a Higgs boson in final states with leptons and b-jets in 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
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- CLXXIII. **Measurement of $Z\gamma\gamma$ production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
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- CLXXIV. **Search for direct pair production of sleptons and charginos decaying to two leptons and neutralinos with mass splittings near the W -boson mass in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
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- CLXXV. **Search for Higgs boson pair production in association with a vector boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Hoffman A. C. A., et al.
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- CLXXVI. **Search for light long-lived neutral particles that decay to collimated pairs of leptons or light hadrons in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.
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- CLXXVII. **Search for flavour-changing neutral current interactions of the top quark and the Higgs boson in events with a pair of τ -leptons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
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- CLXXVIII. **Measurement of the top-quark mass using a leptonic invariant mass in $\langle i \rangle pp \langle /i \rangle$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
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- CLXXIX. **Searches for new phenomena in events with two leptons, jets, and missing transverse momentum in 139 fb^{-1} of $\sqrt{s}=13$ TeV $\langle i \rangle pp \langle /i \rangle$ collisions with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.
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- CLXXX. **A search for new resonances in multiple final states with a high transverse momentum Z boson in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector**
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- CLXXXI. **Measurement of the total and differential Higgs boson production cross-sections at $\sqrt{s} = 13$ TeV with the ATLAS detector by combining the $H \rightarrow ZZ^* \rightarrow 4\ell$ and $H \rightarrow \gamma\gamma$ decay channels**
Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Abusleme Hoffman A., et al.
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- CLXXXII. **Measurement of substructure-dependent jet suppression in Pb plus Pb collisions at 5.02 TeV with the ATLAS detector**
Filmer E., Jackson P., Kong A., Potti H., Ruggeri T., Ting E., White M., Gingrich D., Lindon J., Nishu N., et al.
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- CLXXXIII. **Correlations between flow and transverse momentum in Xe + Xe and Pb + Pb collisions at the LHC with the ATLAS detector: A probe of the heavy-ion initial state and nuclear deformation**
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- CLXXXIV. **Production of $\Upsilon(\langle i \rangle nS \langle /i \rangle)$ mesons in Pb plus Pb and $\langle i \rangle pp \langle /i \rangle$ collisions at 5.02 TeV**
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- CLXXXV. **Measurement of muon pairs produced via $\gamma\gamma$ scattering in nonultraperipheral Pb plus Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector**
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- CLXXXVI. **Measurement of the total cross section and ρ -parameter from elastic scattering in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
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- CLXXXVII. **Measurement of the nuclear modification factor of b-jets in 5.02 TeV Pb+Pb collisions with the ATLAS detector**
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- LXXXVIII. **Differential $\langle\sigma\rangle(\langle\sigma\rangle)$ over-tilde cross-section measurements using boosted top quarks in the all-hadronic final state with 139 fb^{-1} of ATLAS data**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.
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- CLXXXIX. **Observation of electroweak production of two jets and a Z-boson pair**
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- CXCI. **Measurement of the polarisation of single top quarks and antiquarks produced in the $\langle\sigma\rangle$ -channel at $\sqrt{s}=13$ TeV and bounds on the $\langle\sigma\rangle$ Wb dipole operator from the ATLAS experiment**
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- CXCII. **Investigating top-Higgs FCNC couplings at the FCC-hh**
Ozsimek O. M., Ari V., Çakır O.
NUCLEAR PHYSICS B, cilt.983, 2022 (SCI-Expanded)
- CXCIII. **Search for Higgs boson pair production in the two bottom quarks plus two photons final state in $\langle\sigma\rangle$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., Abramowicz H., Abreu H., Abulaiti Y., et al.
PHYSICAL REVIEW D, cilt.106, sa.5, 2022 (SCI-Expanded)
- CXCIV. **Observation of $\langle\sigma\rangle$ Production in $\langle\sigma\rangle$ Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector**
Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., Aboulhorma A., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW LETTERS, cilt.129, sa.6, 2022 (SCI-Expanded)
- CXCV. **Study of $B_{c^+} \rightarrow J/\psi D_{s^+}$ and**

$B_c \rightarrow J/\psi D_s^*$ decays in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., Aboulhorma A., Abramowicz H., Abreu H., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2022, sa.8, 2022 (SCI-Expanded)

CXCVI. Measurements of jet observables sensitive to b -quark fragmentation in $t\bar{t}$ over-bar events at the LHC with the ATLAS detector

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

PHYSICAL REVIEW D, cilt.106, sa.3, 2022 (SCI-Expanded)

CXCVII. Measurements of Higgs boson production cross-sections in the $H \rightarrow \tau\tau$ decay channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2022, sa.8, 2022 (SCI-Expanded)

CXCVIII. Measurements of the Higgs boson inclusive and differential fiducial cross-sections in the diphoton decay channel with pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2022, sa.8, 2022 (SCI-Expanded)

CXCIX. Search for invisible Higgs-boson decays in events with vector-boson fusion signatures using 139 fb of proton-proton data recorded by the ATLAS experiment

Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., Aboulhorma A., Abramowicz H., Abreu H., et al.

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CC. Direct constraint on the Higgs-charm coupling from a search for Higgs boson decays into charm quarks with the ATLAS detector

Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.82, sa.8, 2022 (SCI-Expanded)

CCI. Modelling and computational improvements to the simulation of single vector-boson plus jet processes for the ATLAS experiment

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2022, sa.8, 2022 (SCI-Expanded)

CCII. Search for events with a pair of displaced vertices from long-lived neutral particles decaying into hadronic jets in the ATLAS muon spectrometer in pp collisions at $\sqrt{s}=13$ TeV

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

PHYSICAL REVIEW D, cilt.106, sa.3, 2022 (SCI-Expanded)

CCIII. A search for an unexpected asymmetry in the production of $e\mu$ and $e\mu$ pairs in proton-proton collisions recorded by the ATLAS detector at $\sqrt{s}=13$ TeV

Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., Aboulhorma A., Abramowicz H., Abreu H., et al.

PHYSICS LETTERS B, cilt.830, 2022 (SCI-Expanded)

CCIV. A detailed map of Higgs boson interactions by the ATLAS experiment ten years after the discovery

Aad G., Abbott B., Abbott D., Abeling K., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Hoffman A. C. A., et al.

NATURE, cilt.607, sa.7917, ss.52-59, 2022 (SCI-Expanded)

CCV. Constraints on Higgs boson properties using $WW \rightarrow e\nu\mu\nu jj$ production

- in 36.1 fb^{-1} of $\sqrt{s}=13 \text{ TeV}$ pp collisions with the ATLAS detector
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.82, sa.7, 2022 (SCI-Expanded)
- CCVI. **Search for long-lived charginos based on a disappearing-track signature using 136 fb^{-1} of pp collisions at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abramowicz H., Abreu H., Abulaiti Y., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.82, sa.7, 2022 (SCI-Expanded)
- CCVII. **Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s}=13 \text{ TeV}$ measured with the ATLAS detector at the LHC**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.82, sa.7, 2022 (SCI-Expanded)
- CCVIII. **Measurement of the nuclear modification factor for muons from charm and bottom hadrons in Pb plus Pb collisions at 5.02 TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.829, 2022 (SCI-Expanded)
- CCIX. **Search for associated production of a Z boson with an invisibly decaying Higgs boson or dark matter candidates $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.829, 2022 (SCI-Expanded)
- CCX. **Measurements of azimuthal anisotropies of jet production in Pb collisions at $\sqrt{s}=5.02 \text{ TeV}$ with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW C, cilt.105, sa.6, 2022 (SCI-Expanded)
- CCXI. **Measurement of Higgs boson decay into b -quarks in associated production with a top-quark pair in pp collisions at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2022, sa.6, 2022 (SCI-Expanded)
- CCXII. **Search for neutral long-lived particles in pp collisions at $\sqrt{s}=13 \text{ TeV}$ that decay into displaced hadronic jets in the ATLAS calorimeter**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2022, sa.6, 2022 (SCI-Expanded)
- CCXIII. **Measurements of differential cross-sections in top-quark pair events with a high transverse momentum top quark and limits on beyond the Standard Model contributions to top-quark pair production with the ATLAS detector at $\sqrt{s}=13 \text{ TeV}$**
Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., Aboulhorma A., Abramowicz H., Abreu H., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2022, sa.6, 2022 (SCI-Expanded)
- CCXIV. **Constraints on Higgs boson production with large transverse momentum using $H \rightarrow b\bar{b}$ decays in the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW D, cilt.105, sa.9, 2022 (SCI-Expanded)
- CCXV. **Search for single production of a vectorlike T quark decaying into a Higgs boson and top quark with**

fully hadronic final states using the ATLAS detector

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

PHYSICAL REVIEW D, cilt.105, sa.9, 2022 (SCI-Expanded)

- CCXVI. **Search for resonant pair production of Higgs bosons in the $b\bar{b}(\bar{b}b)$ over-bar $b\bar{b}(\bar{b}b)$ over-bar final state using pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abramowicz H., Abreu H., Abulaiti Y., et al.

PHYSICAL REVIEW D, cilt.105, sa.9, 2022 (SCI-Expanded)

- CCXVII. **Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s}=7, 8$ and 13 TeV**

Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.82, sa.5, 2022 (SCI-Expanded)

- CCXVIII. **Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.82, sa.4, 2022 (SCI-Expanded)

- CCXIX. **Measurement of the energy asymmetry in $t(\bar{t})$ production at 13 TeV with the ATLAS experiment and interpretation in the SMEFT framework**

Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.82, sa.4, 2022 (SCI-Expanded)

- CCXX. **Measurement of the energy response of the ATLAS calorimeter to charged pions from $W \rightarrow \pi^{\pm} \rightarrow \tau^{\pm} (\rightarrow \pi^{\pm} \nu_{\tau}) \nu_{\tau}$ events in Run 2 data**

Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.82, sa.3, 2022 (SCI-Expanded)

- CCXXI. **The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2**

Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.82, sa.3, 2022 (SCI-Expanded)

- CCXXII. **Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb^{-1} of pp collision data at $\sqrt{s}=13$ TeV**

Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., Aboulhorma A., Abramowicz H., Abreu H., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2022, sa.3, 2022 (SCI-Expanded)

- CCXXIII. **Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at 13 TeV with the ATLAS detector**

Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.82, sa.2, 2022 (SCI-Expanded)

- CCXXIV. **Search for new phenomena in three- or four-lepton events in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abramowicz H., Abreu H., et al.

- Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.824, 2022 (SCI-Expanded)
- CCXXV. **Search for exotic decays of the Higgs boson into $\langle i \rangle b \langle /i \rangle (\langle i \rangle b \langle /i \rangle)$ over-bar and missing transverse momentum in $\langle i \rangle pp \langle /i \rangle$ collisions at $\sqrt{\langle i \rangle s \langle /i \rangle} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abramowicz H., Abreu H., Abulaiti Y., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2022, sa.1, 2022 (SCI-Expanded)
- CCXXVI. **Operation and performance of the ATLAS semiconductor tracker in LHC Run 2**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.
JOURNAL OF INSTRUMENTATION, cilt.17, sa.1, 2022 (SCI-Expanded)
- CCXXVII. **Search for Higgs boson decays into a pair of pseudoscalar particles in the $\langle i \rangle bb \langle /i \rangle \mu\mu$ final state with the ATLAS detector in $\langle i \rangle pp \langle /i \rangle$ collisions at $\sqrt{\langle i \rangle s \langle /i \rangle} = 13$ TeV**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW D, cilt.105, sa.1, 2022 (SCI-Expanded)
- CCXXVIII. **Studying Same-Sign Top Pair Production through Top-Higgs FCNC Interactions at the HL-LHC**
Ozsimek O., Arı V., Çakır O.
Advances in High Energy Physics, cilt.2022, 2022 (SCI-Expanded)
- CCXXIX. **Measurement of the $\langle i \rangle c \langle /i \rangle$ -jet mistagging efficiency in $\langle i \rangle t \langle /i \rangle (\langle i \rangle t \langle /i \rangle)$ over-bar events using $\langle i \rangle pp \langle /i \rangle$ collision data at $\sqrt{\langle i \rangle s \langle /i \rangle} = 13$ TeV collected with the ATLAS detector**
Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., Aboulhorma A., Abramowicz H., Abreu H., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.82, sa.1, 2022 (SCI-Expanded)
- CCXXX. **Performance of the ATLAS Level-1 topological trigger in Run 2**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.82, sa.1, 2022 (SCI-Expanded)
- CCXXXI. **Search for heavy particles in the b -tagged dijet mass distribution with additional b -tagged jets in proton-proton collisions at $p\sqrt{s} = 13$ TeV with the ATLAS experiment**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abramowicz H., Abreu H., Abulaiti Y., et al.
PHYSICAL REVIEW D, cilt.105, sa.1, 2022 (SCI-Expanded)
- CCXXXII. **Search for Lepton-Flavor Violation in Z -Boson Decays with τ Leptons with the ATLAS Detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abramowicz H., Abreu H., Abulaiti Y., et al.
Physical Review Letters, cilt.127, sa.27, 2021 (SCI-Expanded)
- CCXXXIII. **Search for charginos and neutralinos in final states with two boosted hadronically decaying bosons and missing transverse momentum in pp collisions at $\text{root } s = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., Abramowicz H., Abreu H., Abulaiti Y., et al.
PHYSICAL REVIEW D, cilt.104, sa.11, 2021 (SCI-Expanded)
- CCXXXIV. **Configuration and performance of the ATLAS b -jet triggers in Run 2**
Aad G., Abbott B., Abbott D. C., Abed Abud A., Abeling K., Abhayasinghe D. K., Abidi S. H., AbouZeid O. S., Abraham N. L., Abramowicz H., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.81, sa.12, 2021 (SCI-Expanded)
- CCXXXV. **Single production of vectorlike Y quarks at the HL-LHC**
Cetinkaya V., OZANSOY A., ARI V., ÖZŞİMŞEK Ö. M., ÇAKIR O.
Nuclear Physics B, cilt.973, 2021 (SCI-Expanded)
- CCXXXVI. **Measurement of b -quark fragmentation properties in jets using the decay $B \rightarrow J/\psi K$ in pp collisions at $\text{root } s = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., AbouZeid O. S., Abramowicz H.,

- Abreu H., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2021, sa.12, 2021 (SCI-Expanded)
- CCXXXVII. **Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector**
Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., AbouZeid O. S., Abramowicz H., Abreu H., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.81, sa.12, 2021 (SCI-Expanded)
- CCXXXVIII. **Search for new phenomena in pp collisions in final states with tau leptons, b-jets, and missing transverse momentum with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abramowicz H., Abreu H., et al.
Physical Review D, cilt.104, sa.11, 2021 (SCI-Expanded)
- CCXXXIX. **Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector**
Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., AbouZeid O. S., Abramowicz H., Abreu H., et al.
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- CCXL. **Measurement of the $t(t)\text{-}b(\bar{t})\text{-}b$ production cross section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
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- CCXLI. **Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s}=13$ TeV proton-proton collision data**
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- CCXLII. **Search for resonances decaying into photon pairs in 139 fb^{-1} of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., AbouZeid O. S., Abraham N. L., Abramowicz H., et al.
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- CCXLIII. **Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s}=13$ TeV using displaced vertices in the ATLAS inner detector**
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- CCXLIV. **The Large Hadron-Electron Collider at the HL-LHC**
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- CCXLV. **Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D. C., Abed Abud A., Abeling K., Abhayasinghe D. K., Abidi S. H., Abramowicz H., Abreu H., Abulaiti Y., et al.
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- CCXLVI. **Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCXLVII. **Search for dark matter produced in association with a single top quark in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCXLVIII. **Search for New Phenomena in Final States with Two Leptons and One or No b -Tagged Jets at $\sqrt{s}=13$ TeV Using the ATLAS Detector**
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- CCXLIX. **Evidence for Higgs boson decays to a low-mass dilepton system and a photon in pp collisions at $s=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCL. **Search for bottom-squark pair production in pp collision events at $s=13$ TeV with hadronically decaying τ -leptons, b -jets, and missing transverse momentum using the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CCLI. **Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents**
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- CCLIII. **Exclusive dimuon production in ultraperipheral Pb + Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with ATLAS**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review C, cilt.104, sa.2, 2021 (SCI-Expanded)
- CCLIV. **Measurements of the inclusive and differential production cross sections of a top-quark–antiquark pair in association with a Z boson at $\sqrt{s}=13$ TeV with the ATLAS detector**
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- CCLV. **Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s}=8$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCLVI. **Investigation of charged Higgs boson in the bottom and top quark decay channel at the FCC-hh**
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- CCLVII. **Test of the universality of tau and mu lepton couplings in W-boson decays with the ATLAS detector**
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- CCLVIII. **Two-particle azimuthal correlations in photonuclear ultraperipheral Pb+Pb collisions at 5.02 TeV**

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CCLIX. Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s}=13$ TeV

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CCLX. Determination of the parton distribution functions of the proton from ATLAS measurements of differential W^\pm and Z boson production in association with jets

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CCLXI. Search for Displaced Leptons in $\sqrt{s}=13$ TeV pp Collisions with the ATLAS Detector

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CCLXII. Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector

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CCLXIII. Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

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CCLXIV. The ATLAS fast TracKer system

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CCLXV. Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $\sqrt{s}=13$ with the ATLAS detector

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

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CCLXVI. Performance of the ATLAS RPC detector and Level-1 muon barrel trigger at $\sqrt{s} = 13$ TeV

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CCLXVII. A search for the decays of stopped long-lived particles at $\sqrt{s} = 13$ TeV with the ATLAS detector

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CCLXVIII. Search for supersymmetry in events with four or more charged leptons in 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector

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**CCLXIX. Measurement of the relative B_c^\pm / B^\pm production cross section with the ATLAS detector at $s = 8$ TeV
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Physical Review D, cilt.103, sa.11, 2021 (SCI-Expanded)
- CCLXXI. **Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a τ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
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- CCLXXII. **Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s} = 13$ TeV**
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- CCLXXIII. **Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV**
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- CCLXXIV. **Search for trilepton resonances from chargino and neutralino pair production in $s = 13$ TeV pp collisions with the ATLAS detector**
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- CCLXXV. **Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector**
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- CCLXXVI. **Measurements of $W + W \rightarrow \geq 1$ jet production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
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- CCLXXVII. **Observation of photon-induced $W+W^-$ production in pp collisions at $s=13$ TeV using the ATLAS detector**
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- CCLXXIX. **CutLang as an analysis description language for introducing students to analyses in particle physics**
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- CCLXXX. **Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $\ell\ell b\bar{b}$ and $\ell\ell WW$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
European Physical Journal C, cilt.81, sa.5, 2021 (SCI-Expanded)
- CCLXXXI. **Search for new phenomena in final states with b-jets and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCLXXXII. **Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- :CLXXXIII. **Measurement of the CP-violating phase ϕ_s in $B_s0 \rightarrow J/\psi \phi$ decays in ATLAS at 13 TeV**
Aad G., Abbott B., Abbott D., Abidinov O., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., et al.
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- :CLXXXIV. **Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCLXXXV. **Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton–proton collisions**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- :CLXXXVI. **Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
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- CLXXXVII. **Search for heavy resonances decaying into a pair of Z bosons in the $\ell+\ell-\ell'+\ell'$ - and $\ell+\ell-\nu\nu^-$ final states using 139 fb⁻¹ of proton–proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
European Physical Journal C, cilt.81, sa.4, 2021 (SCI-Expanded)
- :LXXXVIII. **Longitudinal Flow Decorrelations in Xe+Xe Collisions at sNN =5.44 TeV with the ATLAS Detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review Letters, cilt.126, sa.12, 2021 (SCI-Expanded)
- :CLXXXIX. **Search for Dark Matter Produced in Association with a Dark Higgs Boson Decaying into $\langle i \rangle W \langle /i \rangle$ $\langle \text{SUP} \rangle \pm \langle / \text{SUP} \rangle \langle i \rangle W \langle /i \rangle \langle \text{SUP} \rangle \mp \langle / \text{SUP} \rangle$ or $\langle i \rangle ZZ \langle /i \rangle$ in Fully Hadronic Final States from $\sqrt{\langle i \rangle s \langle /i \rangle}=13$ TeV $\langle i \rangle pp \langle /i \rangle$ Collisions Recorded with the ATLAS Detector**
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- CCXC. **Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $\sqrt{s} = 13$ TeV with the ATLAS detector**

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- CCXCI. **Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb⁻¹ of Pb+Pb data with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCXCII. **Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCXCIII. **Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb⁻¹ of $\sqrt{s} = 13\text{ TeV}$ pp collision data with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCXCIV. **Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCXCV. **Medium-Induced Modification of Z-Tagged Charged Particle Yields in Pb plus Pb Collisions at 5.02 TeV with the ATLAS Detector**
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- CCXCVI. **Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at 13TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCXCVII. **Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D. K., Abidi S. H., AbouZeid O. S., Abraham N. L., Abramowicz H., et al.
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- CCXCVIII. **A search for the dimuon decay of the Standard Model Higgs boson with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCXCIX. **Measurement of the jet mass in high transverse momentum $Z(\rightarrow b\bar{b})\gamma$ production at $\sqrt{s}=13\text{TeV}$ using the ATLAS detector**
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- CCC. **Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

- European Physical Journal C, cilt.81, sa.1, 2021 (SCI-Expanded)
- CCCI. **Measurement of hadronic event shapes in high-p T multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCCII. **Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2021, sa.1, 2021 (SCI-Expanded)
- CCCIII. **Observation and Measurement of Forward Proton Scattering in Association with Lepton Pairs Produced via the Photon Fusion Mechanism at ATLAS**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CCCIV. **Search for Heavy Resonances Decaying into a Photon and a Hadronically Decaying Higgs Boson in pp Collisions at $s = 13$ TeV with the ATLAS Detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CCCIV. **Search for Higgs boson decays into two new low-mass spin-0 particles in the 4b channel with the ATLAS detector using pp collisions at $\sqrt{s} = 13$ TeV**
Aad G., Abbott B., Abbott D., Abidinov O., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., et al.
Physical Review D, cilt.102, sa.11, 2020 (SCI-Expanded)
- CCCVI. **Search for resonances decaying into a weak vector boson and a Higgs boson in the fully hadronic final state produced in proton - proton collisions at root $s=13$ TeV with the ATLAS detector**
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- CCCVII. **Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s}=8$ TeV using the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abidinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
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- CCCVIII. **Alignment of the ATLAS Inner Detector in Run 2**
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- CCCIX. **Search for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCCX. **Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using 13 TeV pp Collision Data from the ATLAS Detector**
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- CCCXI. **Measurement of the tt^- production cross-section in the lepton+jets channel at $s=13$ TeV with the**

ATLAS experiment

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CCCXII. **Evidence for $t\bar{t} t\bar{t}$ production in the multilepton final state in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**

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CCCXIII. **Reconstruction and identification of boosted di- τ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS**

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CCCXIV. **Performance of the upgraded PreProcessor of the ATLAS Level-1 Calorimeter Trigger**

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CCCXV. **Search for top squarks in events with a Higgs or Z boson using 139 fb⁻¹ of pp collision data at $\sqrt{s}=13$ TeV with the ATLAS detector**

Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

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CCCXVI. **Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector**

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CCCXVII. **A search for the $Z\gamma$ decay mode of the Higgs boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**

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Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.809, 2020 (SCI-Expanded)

CCCXVIII. **Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s}=13$ TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC**

Aad G., Abbott B., Abbott D. C., Abud A., Abeling K., Abhayasinghe D. K., Abidi S. H., AbouZeid O. S., Abraham N. L., Abramowicz H., et al.

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CCCXIX. **Operation of the ATLAS trigger system in Run 2**

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CCCXX. **Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

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CCCXXI. **Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector**

Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

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- CCCXXII. **Search for $t\bar{t}$ resonances in fully hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCCXXIII. **Higgs boson production cross-section measurements and their EFT interpretation in the 4ℓ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector**
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- CCCXXIV. **Measurements of inclusive and differential cross-sections of combined $t\bar{t}\gamma$ and $tW\gamma$ production in the $e\mu$ channel at 13 TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCCXXV. **Dijet Resonance Search with Weak Supervision Using $\sqrt{s} = 13$ TeV pp Collisions in the ATLAS Detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CCCXXVI. **Performance of the ATLAS muon triggers in Run 2**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CCCXXVII. **Measurement of azimuthal anisotropy of muons from charm and bottom hadrons in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector**
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- CCCXXVIII. **CP Properties of Higgs Boson Interactions with Top Quarks in the $t\bar{t}H$ and tH Processes Using $H \rightarrow \gamma\gamma$ with the ATLAS Detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CCCXXIX. **Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2020, sa.8, 2020 (SCI-Expanded)
- CCCXXX. **Measurements of top-quark pair spin correlations in the $e\mu$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abbott D., Abidinov O., Abud A. A., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., et al.
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- CCCXXXI. **Search for heavy neutral Higgs bosons produced in association with b-quarks and decaying into b-quarks at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abidinov O., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., et al.
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- CCCXXXII. **Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at $\sqrt{s} = 8$ TeV**

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- :CCXXXIII. **Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s}=13$ TeV with the ATLAS detector**
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European Physical Journal C, cilt.80, sa.8, 2020 (SCI-Expanded)
- :CCXXXIV. **Search for long-lived, massive particles in events with a displaced vertex and a muon with large impact parameter in pp collisions at $s = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CCCXXXV. **Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- :CCXXXVI. **Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using pp Collisions at $s = 13$ TeV**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review Letters, cilt.125, sa.5, 2020 (SCI-Expanded)
- CCXXXVII. **Measurement of the transverse momentum distribution of Drell–Yan lepton pairs in proton–proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- :CXXXVIII. **Search for the $HH \rightarrow b\bar{b} b\bar{b}$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- :CCXXXIX. **Measurements of the production cross-section for a Z boson in association with b-jets in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCCXL. **Observation of the associated production of a top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2020, sa.7, 2020 (SCI-Expanded)
- CCCXLI. **Test of CP invariance in vector-boson fusion production of the Higgs boson in the $H \rightarrow \tau\tau$ channel in proton–proton collisions at [Formula presented] with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCCXLII. **Measurement of the Lund Jet Plane Using Charged Particles in 13 TeV Proton-Proton Collisions with the ATLAS Detector**

- Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review Letters, cilt.124, sa.22, 2020 (SCI-Expanded)
- CCCXLIII. **Search for dijet resonances in events with an isolated charged lepton using $\sqrt{s} = 13$ TeV proton-proton collision data collected by the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2020, sa.6, 2020 (SCI-Expanded)
- CCCXLIV. **Measurement of the $t\bar{t}$ production cross-section and lepton differential distributions in $e\mu$ dilepton events from pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCCXLV. **Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb⁻¹ of data collected with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2020, sa.6, 2020 (SCI-Expanded)
- CCCXLVI. **Search for light long-lived neutral particles produced in pp collisions at $\sqrt{s}=13$ TeV and decaying into collimated leptons or light hadrons with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
European Physical Journal C, cilt.80, sa.5, 2020 (SCI-Expanded)
- CCCXLVII. **Evidence for electroweak production of two jets in association with a $Z\gamma$ pair in pp collisions at $s=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.803, 2020 (SCI-Expanded)
- CCCXLVIII. **ATLAS data quality operations and performance for 2015-2018 data-taking**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Journal of Instrumentation, cilt.15, sa.4, 2020 (SCI-Expanded)
- CCCXLIX. **Search for chargino-neutralino production with mass splittings near the electroweak scale in three-lepton final states in $s = 13$ TeV pp collisions with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review D, cilt.101, sa.7, 2020 (SCI-Expanded)
- CCCL. **Z boson production in Pb+Pb collisions at $\sqrt{S_{NN}} = 5.02$ TeV measured by the ATLAS experiment**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.802, 2020 (SCI-Expanded)
- CCCLI. **The projections on $ZZ\gamma$ and $Z\gamma\gamma$ couplings via $v\bar{v}\gamma$ production in HL-LHC and HE-LHC**
Senol A., Denizli H., Yilmaz A., ÇAKIR İ. T., Cakir O.
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- CCCLII. **Measurement of the $Z(\rightarrow \ell + \ell^-)\gamma$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2020, sa.3, 2020 (SCI-Expanded)
- CCCLIII. **Measurement of isolated-photon plus two-jet production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**

- Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCCLIV. **Measurement of soft-drop jet observables in pp collisions with the ATLAS detector at $\sqrt{s} = 13$ TeV**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review D, cilt.101, sa.5, 2020 (SCI-Expanded)
- CCCLV. **Searches for electroweak production of supersymmetric particles with compressed mass spectra in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review D, cilt.101, sa.5, 2020 (SCI-Expanded)
- CCCLVI. **Search for long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13$ TeV decaying into displaced hadronic jets in the ATLAS inner detector and muon spectrometer**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review D, cilt.101, sa.5, 2020 (SCI-Expanded)
- CCCLVII. **Search for new resonances in mass distributions of jet pairs using 139 fb⁻¹ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCCLVIII. **Measurement of azimuthal anisotropy of muons from charm and bottom hadrons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
Physical Review Letters, cilt.124, sa.8, 2020 (SCI-Expanded)
- CCCLIX. **Search for the Higgs boson decays $H \rightarrow ee$ and $H \rightarrow e\mu$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCCLX. **Search for non-resonant Higgs boson pair production in the $b\bar{b}\ell\nu\ell\nu$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.801, 2020 (SCI-Expanded)
- CCCLXI. **Search for displaced vertices of oppositely charged leptons from decays of long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCCLXII. **Measurement of the azimuthal anisotropy of charged-particle production in Xe+Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review C, cilt.101, sa.2, 2020 (SCI-Expanded)
- CCCLXIII. **Measurement of differential cross sections for single diffractive dissociation in $\sqrt{s} = 8$ TeV pp collisions using the ATLAS ALFA spectrometer**
Aad G., Abbott B., Abbott D., Abdinov O., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., et al.

Journal of High Energy Physics, cilt.2020, sa.2, 2020 (SCI-Expanded)

- CCCLXIV. **Search for direct stau production in events with two hadronic τ -leptons in $s = 13$ TeV pp collisions with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review D, cilt.101, sa.3, 2020 (SCI-Expanded)
- CCCLXV. **Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector**
Aad G., Abbott B., Abbott D., Abdinov O., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., et al.
European Physical Journal C, cilt.80, sa.2, 2020 (SCI-Expanded)
- CCCLXVI. **Sensitivity on anomalous neutral triple gauge couplings via ZZ production at FCC-hh**
Yilmaz A., Senol A., Denizli H., ÇAKIR İ. T., Cakir O.
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- CCCLXVII. **Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 TeV Proton-Proton Collisions with the ATLAS Detector**
Aad G., Abbott B., Abbott D., Abdinov O., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., et al.
Physical Review Letters, cilt.124, sa.3, 2020 (SCI-Expanded)
- CCCLXVIII. **Searches for lepton-flavour-violating decays of the Higgs boson in $s = 13$ TeV pp collisions with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.800, 2020 (SCI-Expanded)
- CCCLXIX. **Combination of searches for Higgs boson pairs in pp collisions at $s = 13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CCCLXX. **Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb⁻¹ of pp collisions at $s = 13$ TeV with the ATLAS experiment**
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Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.800, 2020 (SCI-Expanded)
- CCCLXXI. **Combined measurements of Higgs boson production and decay using up to 80 fb⁻¹ of proton-proton collision data at $\sqrt{s} = 13$ TeV collected with the ATLAS experiment**
Aad G., Abbott B., Abbott D., Abdinov O., Abed Abud A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., et al.
Physical Review D, cilt.101, sa.1, 2020 (SCI-Expanded)
- CCCLXXII. **Fluctuations of anisotropic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abbott D., Abdinov O., Abed Abud A., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., et al.
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- CCCLXXIII. **Performance of electron and photon triggers in ATLAS during LHC Run 2**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CCCLXXIV. **Transverse momentum and process dependent azimuthal anisotropies in $\sqrt{s_{NN}} = 8.16$ TeV p+Pb collisions with the ATLAS detector**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CCCLXXV. **Electron and photon performance measurements with the ATLAS detector using the 2015-2017 LHC proton-proton collision data**
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- CDIII. **Search for excited electrons singly produced in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment at the LHC**
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- CDIV. **Search for diboson resonances in hadronic final states in 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
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- CDVII. **Search for low-mass resonances decaying into two jets and produced in association with a photon using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
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- CDXIII. **Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from pp and Pb+Pb Collisions in ATLAS**
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- CDXVI. **FCC-hh: The Hadron Collider: Future Circular Collider Conceptual Design Report Volume 3**
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- CDXXXII. **Measurement of $VH, H \rightarrow b\bar{b}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector**
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- CDXXXIII. **Combinations of single-top-quark production cross-section measurements and $|f_{LV} Vtb|$ determinations at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS experiments**
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Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CDXXXV. **Measurements of inclusive and differential fiducial cross-sections of $t\bar{t}\gamma$ production in leptonic final states at $\sqrt{s} = 13$ TeV in ATLAS**
Aaboud M., Aad G., Abbott B., Abbott D., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., et al.
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- CDXXXVII. **Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13$ TeV pp collision data collected by the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abbott D., Abdinov O., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- DXXXVIII. **Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data**

recorded at $\sqrt{s} = 13$ TeV

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CDXXXIX. **Measurement of the $t\bar{t}Z$ and $t\bar{t}W$ cross sections in proton-proton collisions at $s=13$ TeV with the ATLAS detector**

Aaboud M., Aad G., Abbott B., Abbott D., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., et al.

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CDXL. **Cross-section measurements of the Higgs boson decaying into a pair of τ -leptons in proton-proton collisions at $s = 13$ TeV with the ATLAS detector**

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Physical Review D, cilt.99, sa.7, 2019 (SCI-Expanded)

CDXLI. **Measurements of inclusive and differential fiducial cross-sections of $t\bar{t}$ production with additional heavy-flavour jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**

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CDXLII. **Measurement of the four-lepton invariant mass spectrum in 13 TeV proton-proton collisions with the ATLAS detector**

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

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CDXLIII. **Measurement of the top quark mass in the $t\bar{t} \rightarrow$ lepton+jets channel from $\sqrt{s}=8$ TeV ATLAS data and combination with previous results**

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European Physical Journal C, cilt.79, sa.4, 2019 (SCI-Expanded)

CDXLIV. **Search for the Production of a Long-Lived Neutral Particle Decaying within the ATLAS Hadronic Calorimeter in Association with a Z Boson from pp Collisions at $\sqrt{s}=13$ TeV**

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

PHYSICAL REVIEW LETTERS, sa.15, 2019 (SCI-Expanded)

CDXLV. **Study of the rare decays of B_s^0 and B^0 mesons into muon pairs using data collected during 2015 and 2016 with the ATLAS detector**

Aaboud M., Aad G., Abbott B., Abbott D., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., et al.

Journal of High Energy Physics, cilt.2019, sa.4, 2019 (SCI-Expanded)

CDXLVI. **Search for Higgs boson pair production in the $b\bar{b}WW^*$ decay mode at $\sqrt{s} = 13$ TeV with the ATLAS detector**

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

Journal of High Energy Physics, cilt.2019, sa.4, 2019 (SCI-Expanded)

CDXLVII. **Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13$ and 8 TeV with the ATLAS detector**

Aaboud M., Aad G., Abbott B., Abbott D., Abdinov O., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

Journal of High Energy Physics, cilt.2019, sa.4, 2019 (SCI-Expanded)

CDXLVIII. **Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-**

proton collision data

Aaboud M., Aad G., Abbott B., Abbott D., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., et al.

Journal of Instrumentation, cilt.14, sa.3, 2019 (SCI-Expanded)

CDXLIX. Measurement of the nuclear modification factor for inclusive jets in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

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CDL. Search for Higgs boson decays into a pair of light bosons in the $bb\mu\mu$ final state in pp collision at $\sqrt{s}=13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.790, ss.1-21, 2019 (SCI-Expanded)

CDLI. Search for four-top-quark production in the single-lepton and opposite-sign dilepton final states in pp collisions at $s = 13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review D, cilt.99, sa.5, 2019 (SCI-Expanded)

CDLII. Search for heavy long-lived multicharged particles in proton-proton collisions at $s = 13$ TeV using the ATLAS detector

Aaboud M., Aad G., Abbott B., Abbott D., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., et al.

Physical Review D, cilt.99, sa.5, 2019 (SCI-Expanded)

CDLIII. Search for long-lived particles produced in pp collisions at $s = 13$ TeV that decay into displaced hadronic jets in the ATLAS muon spectrometer

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review D, cilt.99, sa.5, 2019 (SCI-Expanded)

CDLIV. Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

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CDLV. Properties of $g \rightarrow b b$ at small opening angles in pp collisions with the ATLAS detector at $\sqrt{s}=13$ TeV

Aaboud M., Aad G., Abbott B., Abbott D., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., et al.

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CDLVI. Measurement of photon-jet transverse momentum correlations in 5.02 TeV Pb + Pb and pp collisions with ATLAS

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.789, ss.167-190, 2019 (SCI-Expanded)

CDLVII. Measurements of gluon-gluon fusion and vector-boson fusion Higgs boson production cross-sections in the $H \rightarrow WW^* \rightarrow e\nu\mu\nu$ decay channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.789, ss.508-529, 2019 (SCI-Expanded)

CDLVIII. Correlated long-range mixed-harmonic fluctuations measured in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.789, ss.444-471, 2019 (SCI-Expanded)

CDLIX. ATLAS Collaboration

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

Nuclear Physics A, cilt.982, ss.985-1009, 2019 (SCI-Expanded)

CDLX. In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

European Physical Journal C, cilt.79, sa.2, 2019 (SCI-Expanded)

CDLXI. Measurements of W and Z boson production in pp collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

European Physical Journal C, cilt.79, sa.2, 2019 (SCI-Expanded)

CDLXII. A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

European Physical Journal C, cilt.79, sa.2, 2019 (SCI-Expanded)

CDLXIII. Search for light resonances decaying to boosted quark pairs and produced in association with a photon or a jet in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.788, ss.316-335, 2019 (SCI-Expanded)

CDLXIV. Study of the hard double-parton scattering contribution to inclusive four-lepton production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.790, ss.595-614, 2019 (SCI-Expanded)

CDLXV. Search for pairs of highly collimated photon-jets in pp collisions at $s=13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review D, cilt.99, sa.1, 2019 (SCI-Expanded)

CDLXVI. Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

European Physical Journal C, cilt.79, sa.1, 2019 (SCI-Expanded)

CDLXVII. Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

- Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.788, ss.347-370, 2019 (SCI-Expanded)
- CDLXVIII. **Search for squarks and gluinos in final states with hadronically decaying τ -leptons, jets, and missing transverse momentum using pp collisions at $s = 13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review D, cilt.99, sa.1, 2019 (SCI-Expanded)
- CDLXIX. **Probing anomalous $tq\gamma$ and tqg couplings via single top production in association with photon at FCC-hh**
Oyulmaz K. Y., Senol A., Denizli H., Yilmaz A., ÇAKIR İ. T., Cakir O.
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- CDLXX. **Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2019, sa.1, 2019 (SCI-Expanded)
- CDLXXI. **Search for pair production of Higgs bosons in the $b(b)\text{over-bar}b(b)\text{over-bar}$ final state using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S. H., Abouzeid O. S., Abraham N. L., Abramowicz H., Abreu H., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.1, 2019 (SCI-Expanded)
- CDLXXII. **Search for heavy charged long-lived particles in proton-proton collisions at $\sqrt{s}=13$ TeV using an ionisation measurement with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.788, ss.96-116, 2019 (SCI-Expanded)
- CDLXXIII. **Search for long-lived particles in final states with displaced dimuon vertices in pp collisions at $s = 13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review D, cilt.99, sa.1, 2019 (SCI-Expanded)
- CDLXXIV. **Search for resonant WZ production in the fully leptonic final state in proton-proton collisions at $s=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.787, ss.68-88, 2018 (SCI-Expanded)
- CDLXXV. **Operation and performance of the ATLAS Tile Calorimeter in Run 1**
Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., et al.
European Physical Journal C, cilt.78, sa.12, 2018 (SCI-Expanded)
- CDLXXVI. **Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s} NN=5.02$ TeV Pb+ Pb collisions with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
EUROPEAN PHYSICAL JOURNAL C, sa.12, 2018 (SCI-Expanded)
- CDLXXVII. **Measurement of the $Z\gamma\rightarrow\nu\nu\gamma$ production cross section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings**

- Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- DLXXVIII. **Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at ≥ 13 TeV with the ATLAS detector**
 Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CDLXXIX. **Search for Higgs boson pair production in the $\gamma\gamma WW^*$ channel using pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS detector**
 Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CDLXXX. **Search for pair and single production of vectorlike quarks in final states with at least one Z boson decaying into a pair of electrons or muons in pp collision data collected with the ATLAS detector at root s=13 TeV**
 Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CDLXXXI. **Comparison between simulated and observed LHC beam backgrounds in the ATLAS experiment at $\sqrt{s}_{\text{beam}} = 4$ TeV**
 Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
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- CDLXXXII. **Combined measurement of differential and total cross sections in the $H \rightarrow \gamma\gamma$ and the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channels at $\sqrt{s} = 13$ TeV with the ATLAS detector**
 Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
 Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.786, ss.114-133, 2018 (SCI-Expanded)
- DLXXXIII. **Constraints on off-shell Higgs boson production and the Higgs boson total width in $ZZ \rightarrow 4\ell$ and $ZZ \rightarrow 2\ell 2\nu$ final states with the ATLAS detector**
 Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- DLXXXIV. **Observation of $H \rightarrow b\bar{b}$ decays and VH production with the ATLAS detector**
 Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
 Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.786, ss.59-86, 2018 (SCI-Expanded)
- CDLXXXV. **Searches for exclusive Higgs and Z boson decays into $J/\psi \gamma$, $\psi(2S) \gamma$, and $Y(nS) \gamma$ at $\sqrt{s} = 13$ TeV with the ATLAS detector**
 Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
 Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.786, ss.134-155, 2018 (SCI-Expanded)
- DLXXXVI. **Search for Resonant and Nonresonant Higgs Boson Pair Production in the $b\bar{b} \tau^+ \tau^-$ Decay Channel in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector**
 Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

- Physical Review Letters, cilt.121, sa.19, 2018 (SCI-Expanded)
- DLXXXVII. **Search for charged Higgs bosons decaying into top and bottom quarks at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- DLXXXVIII. **Search for chargino-neutralino production using recursive jigsaw reconstruction in final states with two or three charged leptons in proton-proton collisions at $s =13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review D, cilt.98, sa.9, 2018 (SCI-Expanded)
- DLXXXIX. **Search for Higgs boson pair production in the $\gamma \gamma b\bar{b}$ final state with 13 TeV pp collision data collected by the ATLAS experiment**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CDXC. **Combination of the Searches for Pair-Produced Vectorlike Partners of the Third-Generation Quarks at $\sqrt{s}=13$ TeV with the ATLAS Detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CDXCI. **Search for lepton-flavor violation in different-flavor, high-mass final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CDXCII. **Search for pair production of Higgsinos in final states with at least three b -tagged jets in $s =13$ TeV pp collisions using the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physical Review D, cilt.98, sa.9, 2018 (SCI-Expanded)
- CDXCIII. **Search for lepton-flavor-violating decays of the Z boson into a τ lepton and a light lepton with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
PHYSICAL REVIEW D, sa.9, 2018 (SCI-Expanded)
- CDXCIV. **Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13$ TeV**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.78, sa.11, 2018 (SCI-Expanded)
- CDXCV. **Observation of Centrality-Dependent Acoplanarity for Muon Pairs Produced via Two-Photon Scattering in Pb plus Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS Detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CDXCVI. **Measurement of dijet azimuthal decorrelations in pp collisions at $s =8$ TeV with the ATLAS detector and determination of the strong coupling**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

Physical Review D, cilt.98, sa.9, 2018 (SCI-Expanded)

CDXCVII. **Search for pair production of heavy vectorlike quarks decaying into hadronic final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review D, cilt.98, sa.9, 2018 (SCI-Expanded)

CDXCVIII. **Measurement of the suppression and azimuthal anisotropy of muons from heavy-flavor decays in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector**

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review C, cilt.98, sa.4, 2018 (SCI-Expanded)

CDXCIX. **Probing the Quantum Interference between Singly and Doubly Resonant Top-Quark Production in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector**

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review Letters, cilt.121, sa.15, 2018 (SCI-Expanded)

D. **Search for R-parity-violating supersymmetric particles in multi-jet final states produced in p-p collisions at $\sqrt{s}=13$ TeV using the ATLAS detector at the LHC**

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.785, ss.136-158, 2018 (SCI-Expanded)

DI. **Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector**

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

Journal of High Energy Physics, cilt.2018, sa.10, 2018 (SCI-Expanded)

DII. **Angular analysis of $B_d^0 \rightarrow K^* \mu^+ \mu^-$ decays in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector**

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

Journal of High Energy Physics, cilt.2018, sa.10, 2018 (SCI-Expanded)

DIII. **Measurement of jet fragmentation in 5.02 TeV proton-lead and proton-proton collisions with the ATLAS detector**

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Nuclear Physics A, cilt.978, ss.65-106, 2018 (SCI-Expanded)

DIV. **Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Journal of High Energy Physics, cilt.2018, sa.10, 2018 (SCI-Expanded)

DV. **Measurement of colour flow using jet-pull observables in $t\bar{t}$ events with the ATLAS experiment at $\sqrt{s}=13$ TeV**

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

European Physical Journal C, cilt.78, sa.10, 2018 (SCI-Expanded)

DVI. **Probing the effects of dimension-eight operators describing anomalous neutral triple gauge boson interactions at FCC-hh**

Senol A., Denizli H., Yilmaz A., ÇAKIR İ. T., Oyulmaz K. Y., Karadeniz O., Cakir O.

Nuclear Physics B, cilt.935, ss.365-376, 2018 (SCI-Expanded)

DVII. **Search for the Higgs boson produced in association with a vector boson and decaying into two spin-**

zero particles in the $H \rightarrow aa \rightarrow 4b$ channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

Journal of High Energy Physics, cilt.2018, sa.10, 2018 (SCI-Expanded)

DVIII. Combination of searches for heavy resonances decaying into bosonic and leptonic final states using 36 fb⁻¹ of proton-proton collision data at $s = 13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review D, cilt.98, sa.5, 2018 (SCI-Expanded)

DIX. Search for Higgs bosons produced via vector-boson fusion and decaying into bottom quark pairs in $s = 13$ TeV pp collisions with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review D, cilt.98, sa.5, 2018 (SCI-Expanded)

DX. Measurement of the Higgs boson mass in the $H \rightarrow ZZ^* \rightarrow 4\ell$ and $H \rightarrow \gamma\gamma$ channels with $s=13$ TeV pp collisions using the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.784, ss.345-366, 2018 (SCI-Expanded)

DXI. Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

Journal of High Energy Physics, cilt.2018, sa.9, 2018 (SCI-Expanded)

DXII. Prompt and non-prompt J/ψ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

European Physical Journal C, cilt.78, sa.9, 2018 (SCI-Expanded)

DXIII. Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in 5.02TeV Pb+Pb collisions with the ATLAS experiment

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

European Physical Journal C, cilt.78, sa.9, 2018 (SCI-Expanded)

DXIV. Measurements of Higgs boson properties in the diphoton decay channel with 36 fb⁻¹ of pp collision data at $\sqrt{s}=13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

PHYSICAL REVIEW D, cilt.98, sa.5, 2018 (SCI-Expanded)

DXV. Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau^\pm \nu_\tau$ in the τ +jets and τ +lepton final states with 36 fb⁻¹ of pp collision data recorded at $\sqrt{s}=13$ TeV with the ATLAS experiment

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

Journal of High Energy Physics, cilt.2018, sa.9, 2018 (SCI-Expanded)

DXVI. Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

PHYSICS LETTERS B, cilt.784, ss.173-191, 2018 (SCI-Expanded)

DXVII. Search for Low-Mass Dijet Resonances Using Trigger-Level Jets with the ATLAS Detector in pp

Collisions at $\sqrt{s} = 13$ TeV

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

Physical Review Letters, cilt.121, sa.8, 2018 (SCI-Expanded)

DXVIII. Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review C, cilt.98, sa.2, 2018 (SCI-Expanded)

DXIX. Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $\ell\ell b\bar{b}$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.783, ss.392-414, 2018 (SCI-Expanded)

DXX. Search for pair production of heavy vector-like quarks decaying into high-p T W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Journal of High Energy Physics, cilt.2018, sa.8, 2018 (SCI-Expanded)

DXXI. Search for supersymmetry in events with four or more leptons in $\sqrt{s} = 13$ TeV pp collisions with ATLAS

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

Physical Review D, cilt.98, sa.3, 2018 (SCI-Expanded)

DXXII. Search for heavy resonances decaying to a photon and a hadronically decaying Z /W /H boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

Physical Review D, cilt.98, sa.3, 2018 (SCI-Expanded)

DXXIII. Search for flavor-changing neutral currents in top quark decays $t \rightarrow Hc$ and $t \rightarrow Hu$ in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review D, cilt.98, sa.3, 2018 (SCI-Expanded)

DXXIV. Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

European Physical Journal C, cilt.78, sa.8, 2018 (SCI-Expanded)

DXXV. Search for top squarks decaying to tau sleptons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

PHYSICAL REVIEW D, cilt.98, sa.3, 2018 (SCI-Expanded)

DXXVI. Measurements of b-jet tagging efficiency with the ATLAS detector using $t\bar{t}$ events at $\sqrt{s} = 13$ TeV

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Journal of High Energy Physics, cilt.2018, sa.8, 2018 (SCI-Expanded)

DXXVII. Search for resonances in the mass distribution of jet pairs with one or two jets identified as

b -jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abhayasinghe D. K., Abidi S. H., AbouZeid O. S., Abraham N. L., Abramowicz H., et al.

PHYSICAL REVIEW D, cilt.98, sa.3, 2018 (SCI-Expanded)

DXXVIII. Search for Higgs boson decays into pairs of light (pseudo)scalar particles in the $\gamma\gamma jj$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.782, ss.750-767, 2018 (SCI-Expanded)

DXXIX. Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.78, sa.7, 2018 (SCI-Expanded)

DXXX. Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

Journal of High Energy Physics, cilt.2018, sa.7, 2018 (SCI-Expanded)

DXXXI. Search for exclusive Higgs and Z boson decays to $\phi\gamma$ and $\rho\gamma$ with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

Journal of High Energy Physics, cilt.2018, sa.7, 2018 (SCI-Expanded)

DXXXII. Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

Journal of High Energy Physics, cilt.2018, sa.7, 2018 (SCI-Expanded)

DXXXIII. Search for $W' \rightarrow tb$ decays in the hadronic final state using pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.781, ss.327-348, 2018 (SCI-Expanded)

DXXXIV. Measurement of the production cross section of three isolated photons in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.781, ss.55-76, 2018 (SCI-Expanded)

DXXXV. Search for squarks and gluinos in final states with jets and missing transverse momentum using 36 fb⁻¹ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

Physical Review D, cilt.97, sa.11, 2018 (SCI-Expanded)

DXXXVI. Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb⁻¹ of $\sqrt{s}=13$ TeV pp collision data with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

Journal of High Energy Physics, cilt.2018, sa.6, 2018 (SCI-Expanded)

- DXXXVII. Measurement of the inclusive and fiducial $t\bar{t}$ production cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.78, sa.6, 2018 (SCI-Expanded)
- DXXXVIII. Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2018, sa.6, 2018 (SCI-Expanded)
- DXXXIX. Search for long-lived charginos based on a disappearing-track signature in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2018, sa.6, 2018 (SCI-Expanded)
- DXL. Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at $\sqrt{s}=13\text{ TeV}$**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2018, sa.6, 2018 (SCI-Expanded)
- DXLI. Search for the Decay of the Higgs Boson to Charm Quarks with the ATLAS Experiment**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physical Review Letters, cilt.120, sa.21, 2018 (SCI-Expanded)
- DXLII. Measurement of the production cross-section of a single top quark in association with a Z boson in proton-proton collisions at 13 TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.780, ss.557-577, 2018 (SCI-Expanded)
- DXLIII. Measurement of the cross section for isolated-photon plus jet production in ppcollisions at $\sqrt{s}=13\text{TeV}$ using the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.780, ss.578-602, 2018 (SCI-Expanded)
- DXLIV. Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2018, sa.5, 2018 (SCI-Expanded)
- DXLV. Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb - 1 of pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS experiment**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.78, sa.5, 2018 (SCI-Expanded)
- DXLVI. Search for a Structure in the $B\langle\text{sub}\rangle s\langle\text{sub}\rangle\langle\text{i}\rangle\langle\text{sup}\rangle 0\langle\text{sup}\rangle \pi\langle\text{sup}\rangle \pm\langle\text{sup}\rangle$ Invariant Mass Spectrum with the ATLAS Experiment**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW LETTERS, sa.20, 2018 (SCI-Expanded)

- DXLVII. Measurement of differential cross sections and $W + /W -$ cross-section ratios for W boson production in association with jets at $\sqrt{s}=8$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2018, sa.5, 2018 (SCI-Expanded)
- DXLVIII. A search for resonances decaying into a Higgs boson and a new particle X in the $XH \rightarrow qqbb$ final state with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.779, ss.24-45, 2018 (SCI-Expanded)
- DXLIX. Search for High-Mass Resonances Decaying to $\tau\nu$ in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW LETTERS, sa.16, 2018 (SCI-Expanded)
- DL. Search for the standard model Higgs boson produced in association with top quarks and decaying into a bb^- pair in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physical Review D, cilt.97, sa.7, 2018 (SCI-Expanded)
- DLI. Search for heavy ZZ resonances in the $\ell+\ell-\ell+\ell-$ and $\ell+\ell-\nu\nu-$ final states using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.78, sa.4, 2018 (SCI-Expanded)
- DLII. Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physical Review D, cilt.97, sa.7, 2018 (SCI-Expanded)
- DLIII. Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s}=13$ TeV with ATLAS**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.78, sa.3, 2018 (SCI-Expanded)
- DLIV. Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physical Review D, cilt.97, sa.5, 2018 (SCI-Expanded)
- DLV. Searches for heavy ZZ and ZW resonances in the $\ell\ell qq$ and $\nu\nu qq$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2018, sa.3, 2018 (SCI-Expanded)
- DLVI. Search for $W W/W Z$ resonance production in $\ell\nu qq$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2018, sa.3, 2018 (SCI-Expanded)

- DLVII. **Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2018, sa.3, 2018 (SCI-Expanded)
- DLVIII. **Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13$ TeV**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.78, sa.3, 2018 (SCI-Expanded)
- DLIX. **Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb⁻¹ of $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2018, sa.3, 2018 (SCI-Expanded)
- DLX. **Search for electroweak production of supersymmetric states in scenarios with compressed mass spectra at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physical Review D, cilt.97, sa.5, 2018 (SCI-Expanded)
- DLXI. **Measurement of quarkonium production in proton-lead and proton-proton collisions at 5.02 TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
European Physical Journal C, cilt.78, sa.3, 2018 (SCI-Expanded)
- DLXII. **A search for pair-produced resonances in four-jet final states at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.78, sa.3, 2018 (SCI-Expanded)
- DLXIII. **Measurement of long-range multiparticle azimuthal correlations with the subevent cumulant method in pp and p +Pb collisions with the ATLAS detector at the CERN Large Hadron Collider**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physical Review C, cilt.97, sa.2, 2018 (SCI-Expanded)
- DLXIV. **Measurement of the exclusive $\gamma\gamma \rightarrow \mu^+\mu^-$ process in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.777, ss.303-323, 2018 (SCI-Expanded)
- DLXV. **Search for diboson resonances with boson-tagged jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.777, ss.91-113, 2018 (SCI-Expanded)
- DLXVI. **Direct top-quark decay width measurement in the $t\bar{t}$ lepton+jets channel at $\sqrt{s}=8$ TeV with the ATLAS experiment**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.78, sa.2, 2018 (SCI-Expanded)

- DLXVII. **Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.78, sa.2, 2018 (SCI-Expanded)
- DLXVIII. **Measurement of the W-boson mass in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
European Physical Journal C, cilt.78, sa.2, 2018 (SCI-Expanded)
- DLXIX. **Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.78, sa.2, 2018 (SCI-Expanded)
- DLXX. **Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ and 5.02 TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.78, sa.2, 2018 (SCI-Expanded)
- DLXXI. **Measurement of τ polarisation in $Z/\gamma^* \rightarrow \tau\tau$ decays in proton–proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.78, sa.2, 2018 (SCI-Expanded)
- DLXXII. **Search for B - L R-parity-violating top squarks in $\sqrt{s}=13$ TeV pp collisions with the ATLAS experiment**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physical Review D, cilt.97, sa.3, 2018 (SCI-Expanded)
- DLXXIII. **Search for an invisibly decaying Higgs boson or dark matter candidates produced in association with a Z boson in pp collisions at $s=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.776, ss.318-337, 2018 (SCI-Expanded)
- DLXXIV. **Measurement of differential cross sections of isolated-photon plus heavy-flavour jet production in pp collisions at $s=8$ TeV using the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.776, ss.295-317, 2018 (SCI-Expanded)
- DLXXV. **Search for heavy resonances decaying into WW in the $e\nu\mu\nu$ final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.78, sa.1, 2018 (SCI-Expanded)
- DLXXVI. **Measurements of $t\bar{t}$ differential cross-sections of highly boosted top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} =13$ TeV using the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physical Review D, cilt.98, sa.1, 2018 (SCI-Expanded)

- DLXXVII. **Search for photonic signatures of gauge-mediated supersymmetry in 13 TeV pp collisions with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
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- DLXXIX. **Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s} = 13$ TeV with the ATLAS detector**
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- DLXXXI. **Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector**
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- DLXXXIV. **Combination of inclusive and differential $t\bar{t}$ charge asymmetry measurements using ATLAS and CMS data at $\sqrt{s} = 7$ and 8 TeV**
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- DLXXXV. **Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $\sqrt{s}=13$ TeV with ATLAS**
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- DLXXXVI. **Femtoscopia with identified charged pions in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ATLAS**
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- DLXXXVII. **Measurement of the cross-section for electroweak production of dijets in association with a Z boson in pp collisions at $s=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H.,

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LXXXVIII. Search for new phenomena in high-mass diphoton final states using 37 fb⁻¹ of proton-proton collisions collected at $\sqrt{s}=13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

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DLXXXIX. Study of the material of the ATLAS inner detector for Run 2 of the LHC

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

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DXC. Search for direct top squark pair production in final states with two leptons in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

European Physical Journal C, cilt.77, sa.12, 2017 (SCI-Expanded)

DXCI. Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $\sqrt{s}=13$ TeV with the ATLAS detector

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DXCII. Search for dark matter in association with a Higgs boson decaying to two photons at $\sqrt{s}=13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

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DXCIII. Determination of the strong coupling constant α_s from transverse energy-energy correlations in multijet events at $\sqrt{s}=8$ TeV using the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

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DXCIV. Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

Journal of High Energy Physics, cilt.2017, sa.12, ss.1-69, 2017 (SCI-Expanded)

DXCV. Search for squarks and gluinos in events with an isolated lepton, jets, and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

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DXCVI. Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $\sqrt{s}=8$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

Journal of High Energy Physics, cilt.2017, sa.12, 2017 (SCI-Expanded)

DXCVII. Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

- Journal of High Energy Physics, cilt.2017, sa.12, 2017 (SCI-Expanded)
- DXCVIII. Study of ordered hadron chains with the ATLAS detector**
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- DXCIX. Search for heavy resonances decaying to a W or Z boson and a Higgs boson in the $qq^-(\prime)bb^-$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.774, ss.494-515, 2017 (SCI-Expanded)
- DC. Measurement of jet pT correlations in Pb + Pb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.774, ss.379-402, 2017 (SCI-Expanded)
- DCI. Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2017, sa.11, 2017 (SCI-Expanded)
- DCII. Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.77, sa.11, 2017 (SCI-Expanded)
- DCIII. Measurement of the $t\bar{t} \gamma$ production cross section in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2017, sa.11, 2017 (SCI-Expanded)
- DCIV. Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s}=8$ TeV**
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Journal of High Energy Physics, cilt.2017, sa.11, 2017 (SCI-Expanded)
- DCV. Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b(\bar{b})$ Using 36 fb^{-1} of pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW LETTERS, sa.18, 2017 (SCI-Expanded)
- DCVI. Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2017, sa.11, 2017 (SCI-Expanded)
- DCVII. Search for Heavy Higgs Bosons A/H Decaying to a Top Quark Pair in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

PHYSICAL REVIEW LETTERS, sa.19, 2017 (SCI-Expanded)

- DCVIII. **Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
European Physical Journal C, cilt.77, sa.11, 2017 (SCI-Expanded)
- DCIX. **Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review D, cilt.96, sa.7, 2017 (SCI-Expanded)
- DCX. **Measurement of the $W+W-$ production cross section in pp collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS experiments**
Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.773, ss.354-374, 2017 (SCI-Expanded)
- DCXI. **Search for pair production of heavy vector-like quarks decaying to high- p_T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2017, sa.10, 2017 (SCI-Expanded)
- DCXII. **Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \gamma\gamma$, in $\sqrt{s}=13$ TeV pp collisions using the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2017, sa.10, 2017 (SCI-Expanded)
- DCXIII. **Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2**
Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
European Physical Journal C, cilt.77, sa.10, 2017 (SCI-Expanded)
- DCXIV. **Searches for the $Z\gamma$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2017, sa.10, 2017 (SCI-Expanded)
- DCXV. **Search for new high-mass phenomena in the dilepton final state using 36 fb $^{-1}$ of proton-proton collision data at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2017, sa.10, 2017 (SCI-Expanded)
- DCXVI. **Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2017, sa.10, 2017 (SCI-Expanded)
- DCXVII. **Evidence for light-by-light scattering in heavy-ion collisions with the ATLAS detector at the LHC**
Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
Nature Physics, cilt.13, sa.9, ss.852-858, 2017 (SCI-Expanded)

- DCXVIII. **Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
European Physical Journal C, cilt.77, sa.9, 2017 (SCI-Expanded)
- DCXIX. **Measurement of the inclusive jet cross-sections in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2017, sa.9, 2017 (SCI-Expanded)
- DCXX. **Study of $WW\gamma$ and $WZ\gamma$ production in pp collisions at $\sqrt{s}=8$ TeV and search for anomalous quartic gauge couplings with the ATLAS experiment**
Aaboud M., Aad G., Abbott B., Abidinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.77, sa.9, 2017 (SCI-Expanded)
- DCXXI. **Top-quark mass measurement in the all-hadronic $t\bar{t}$ decay channel at $\sqrt{s}=8$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2017, sa.9, 2017 (SCI-Expanded)
- DCXXII. **Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $\sqrt{s}=13$ TeV proton-proton collision data**
Aaboud M., Aad G., Abbott B., Abidinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2017, sa.9, 2017 (SCI-Expanded)
- DCXXIII. **Search for new phenomena in dijet events using 37 fb⁻¹ of pp collision data collected at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review D, cilt.96, sa.5, 2017 (SCI-Expanded)
- DCXXIV. **Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb⁻¹ of $\sqrt{s}=13$ TeV pp collision data with the ATLAS detector**
The ATLAS collaboration A., Aaboud M., Aad G., Abbott B., Abidinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2017, sa.9, 2017 (SCI-Expanded)
- DCXXV. **Measurements of long-range azimuthal anisotropies and associated Fourier coefficients for pp collisions at $\sqrt{s}=5.02$ and 13 TeV and p+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.
Physical Review C, cilt.96, sa.2, 2017 (SCI-Expanded)
- DCXXVI. **Measurement of $WW/WZ/\gamma qq'$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s}=8$ TeV with ATLAS, and constraints on anomalous gauge couplings**
Aaboud M., Aad G., Abbott B., Abidinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.77, sa.8, 2017 (SCI-Expanded)
- DCXXVII. **Measurement of the k_t splitting scales in $Z \rightarrow \ell\ell$ events in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2017, sa.8, 2017 (SCI-Expanded)
- DCXXVIII. **Search for direct top squark pair production in events with a Higgs or Z boson, and missing**

transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

Journal of High Energy Physics, cilt.2017, sa.8, 2017 (SCI-Expanded)

DCXXXIX. Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

Journal of High Energy Physics, cilt.2017, sa.8, 2017 (SCI-Expanded)

DCXXX. Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

European Physical Journal C, cilt.77, sa.8, 2017 (SCI-Expanded)

DCXXXI. Search for the Dimuon Decay of the Higgs Boson in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector

Aaboud M., Aad G., Abbott B., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

PHYSICAL REVIEW LETTERS, sa.5, 2017 (SCI-Expanded)

DCXXXII. Measurement of the cross section for inclusive isolated-photon production in pp collisions at $s=13$ TeV using the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.770, ss.473-493, 2017 (SCI-Expanded)

DCXXXIII. Measurements of electroweak Wjj production and constraints on anomalous gauge couplings with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

European Physical Journal C, cilt.77, sa.7, 2017 (SCI-Expanded)

DCXXXIV. Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1

Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., Abreu R., et al.

European Physical Journal C, cilt.77, sa.7, 2017 (SCI-Expanded)

DCXXXV. Top quark FCNC couplings at future circular hadron electron colliders

Denizli H., Senol A., Yilmaz A., ÇAKIR İ. T., Karadeniz H., Cakir O.

Physical Review D, cilt.96, sa.1, 2017 (SCI-Expanded)

DCXXXVI. Studies of $Z\gamma$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector

The ATLAS collaboration A., Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., et al.

Journal of High Energy Physics, cilt.2017, sa.7, 2017 (SCI-Expanded)

DCXXXVII. Jet reconstruction and performance using particle flow with the ATLAS Detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

European Physical Journal C, cilt.77, sa.7, 2017 (SCI-Expanded)

DCXXXVIII. Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead, and proton-proton collisions with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review C, cilt.95, sa.6, 2017 (SCI-Expanded)

DCXXXIX. Measurements of integrated and differential cross sections for isolated photon pair production in

pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review D, cilt.95, sa.11, 2017 (SCI-Expanded)

DCXL. Measurements of the production cross section of a Z boson in association with jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.

European Physical Journal C, cilt.77, sa.6, 2017 (SCI-Expanded)

DCXLI. Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector at the LHC

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

European Physical Journal C, cilt.77, sa.6, 2017 (SCI-Expanded)

DCXLII. Measurement of multi-particle azimuthal correlations in pp, p + Pb and low-multiplicity Pb + Pb collisions with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

European Physical Journal C, cilt.77, sa.6, 2017 (SCI-Expanded)

DCXLIII. Precision measurement and interpretation of inclusive W^+ , W^- and Z/γ^* production cross sections with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

European Physical Journal C, cilt.77, sa.6, 2017 (SCI-Expanded)

DCXLIV. Search for dark matter at $\sqrt{s}=13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., AbouZeid O., Abraham N., Abramowicz H., et al.

European Physical Journal C, cilt.77, sa.6, 2017 (SCI-Expanded)

DCXLV. Performance of the ATLAS Transition Radiation Tracker in Run 1 of the LHC: Tracker properties

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Abidi S., Abouzeid O., Abraham N., Abramowicz H., et al.

Journal of Instrumentation, cilt.12, sa.5, 2017 (SCI-Expanded)

DCXLVI. Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton–proton collisions at the LHC

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.

European Physical Journal C, cilt.77, sa.5, 2017 (SCI-Expanded)

DCXLVII. High-ET isolated-photon plus jets production in pp collisions at $s=8$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

Nuclear Physics B, cilt.918, ss.257-316, 2017 (SCI-Expanded)

DCXLVIII. Measurements of top-quark pair differential cross-sections in the $e\mu$ channel in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector

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- DCL. Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
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DCLXI. Measurement of W boson angular distributions in events with high transverse momentum jets at $\sqrt{s}=8$ TeV using the ATLAS detector

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DCLXII. Search for dark matter in association with a Higgs boson decaying to b-quarks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

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DCLXIII. Search for new resonances decaying to a W or Z boson and a Higgs boson in the $\ell+\ell-bb^-$, ℓvbb^- , and $\nu\nu^-bb^-$ channels with pp collisions at $s=13$ TeV with the ATLAS detector

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DCLXIV. Search for anomalous electroweak production of WW /WZ in association with a high-mass dijet system in pp collisions at $s = 8$ TeV with the ATLAS detector

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DCLXV. Measurement of the prompt J/ ψ pair production cross-section in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector

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DCLXVI. Measurements of top-quark pair to Z-boson cross-section ratios at $\sqrt{s}=13, 8, 7$ TeV with the ATLAS detector

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DCLXVII. Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV

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Journal of High Energy Physics, cilt.2017, sa.2, 2017 (SCI-Expanded)

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DCLXIX. Search for heavy resonances decaying to a Z boson and a photon in pp collisions at $s=13$ TeV with the ATLAS detector

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- DCLXXII. **Measurement of the ZZ production cross section in proton-proton collisions at $\sqrt{s}=8$ TeV using the ZZ $\rightarrow \ell-\ell+\ell'-\ell'+$ and ZZ $\rightarrow \ell-\ell+\nu\nu^-$ decay channels with the ATLAS detector**
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- DCLXXIII. **Measurement of the $t\bar{t}Z$ and $t\bar{t}W$ production cross sections in multilepton final states using 3.2 fb $^{-1}$ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.
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- DCLXXIV. **Probing the Anomalous FCNC $tq\gamma$ Couplings at Large Hadron Electron Collider**
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Aaboud M., Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Aben R., Abouzeid O., Abraham N., Abramowicz H., et al.
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- DCLXXVI. **A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 pp-collision data with the ATLAS detector**
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- DCLXXVII. **Measurement of $W+W$ -production in association with one jet in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector**
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- DCLXXIX. **Search for dark matter produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
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- DCLXXX. **Test of CP invariance in vector-boson fusion production of the Higgs boson using the Optimal**

Observable method in the ditau decay channel with the ATLAS detector

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DCLXXXI. Luminosity determination in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector at the LHC

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DCLXXXII. ATLAS Collaboration

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DCLXXXIII. Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.

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DCLXXXIV. Measurement of the bb^{-} dijet cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.

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DCLXXXV. Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV recorded with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.

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DCLXXXVI. Measurement of top quark pair differential cross sections in the dilepton channel in pp collisions at $\sqrt{s} = 7$ and 8 TeV with ATLAS

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review D, cilt.94, sa.9, 2016 (SCI-Expanded)

CLXXXVII. Search for new resonances in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

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LXXXVIII. Measurement of the $W\pm Z$ boson pair-production cross section in pp collisions at $s=13$ TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.762, ss.1-22, 2016 (SCI-Expanded)

DCLXXXIX. Search for the Higgs boson produced in association with a W boson and decaying to four b-quarks via two spin-zero particles in pp collisions at 13 TeV with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.

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DCXC. Study of hard double-parton scattering in four-jet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS experiment

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Aaboud M., Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.
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- DCXCII. **Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abidinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., Abreu R., et al.
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- DCXCIII. **A measurement of material in the ATLAS tracker using secondary hadronic interactions in 7TeV pp collisions**
Aaboud M., Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.
Journal of Instrumentation, cilt.11, sa.11, 2016 (SCI-Expanded)
- DCXCIV. **Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2016, sa.11, 2016 (SCI-Expanded)
- DCXCV. **Measurement of the Inelastic Proton-Proton Cross Section at $\sqrt{s}=13$ TeV with the ATLAS Detector at the LHC**
Aaboud M., Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Aben R., Abouzeid O., Abraham N., Abramowicz H., et al.
Physical Review Letters, cilt.117, sa.18, 2016 (SCI-Expanded)
- DCXCVI. **Measurement of the $t\bar{t}$ production cross-section using $e\mu$ events with b-tagged jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.761, ss.136-157, 2016 (SCI-Expanded)
- DCXCVII. **Measurement of the top quark mass in the $t\bar{t} \rightarrow$ dilepton channel from $\sqrt{s}=8$ TeV ATLAS data**
Aaboud M., Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.761, ss.350-371, 2016 (SCI-Expanded)
- DCXCVIII. **Search for high-mass new phenomena in the dilepton final state using proton-proton collisions at $s=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.
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- DCXCIX. **The performance of the jet trigger for the ATLAS detector during 2011 data taking**
Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Aben R., Abolins M., AbouZeid O., Abraham N., Abramowicz H., et al.
European Physical Journal C, cilt.76, sa.10, 2016 (SCI-Expanded)
- DCC. **Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s} = 13$ Te V with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abidinov O., Abeloos B., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.76, sa.10, 2016 (SCI-Expanded)
- DCCI. **Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp**

collisions at $\sqrt{s}=8\text{TeV}$ using the ATLAS detector

Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., Abreu R., et al.
European Physical Journal C, cilt.76, sa.10, 2016 (SCI-Expanded)

DCCII. Search for bottom squark pair production in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.

European Physical Journal C, cilt.76, sa.10, 2016 (SCI-Expanded)

DCCIII. Search for new phenomena in different-flavour high-mass dilepton final states in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.

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DCCIV. Search for top squarks in final states with one isolated lepton, jets, and missing transverse momentum in $s=13\text{ TeV}$ pp collisions with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review D, cilt.94, sa.5, 2016 (SCI-Expanded)

DCCV. Search for TeV-scale gravity signatures in high-mass final states with leptons and jets with the ATLAS detector at $\sqrt{s}=13\text{ TeV}$

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.760, ss.520-537, 2016 (SCI-Expanded)

DCCVI. Search for heavy long-lived charged R-hadrons with the ATLAS detector in 3.2 fb⁻¹ of proton-proton collision data at $\sqrt{s}=13\text{ TeV}$

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.760, ss.647-665, 2016 (SCI-Expanded)

DCCVII. Search for Higgs and Z Boson Decays to $\phi\gamma$ with the ATLAS Detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review Letters, cilt.117, sa.11, 2016 (SCI-Expanded)

DCCVIII. Search for pair production of Higgs bosons in the bbbb final state using proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abouzeid O., Abraham N., Abramowicz H., et al.

Physical Review D, cilt.94, sa.5, 2016 (SCI-Expanded)

DCCIX. Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $\sqrt{s}=8\text{ TeV}$ proton-proton collisions

The ATLAS collaboration A., Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., et al.

Journal of High Energy Physics, cilt.2016, sa.9, 2016 (SCI-Expanded)

DCCX. Study of the rare decays of B_s^0 and B^0 into muon pairs from data collected during the LHC Run 1 with the ATLAS detector

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.

European Physical Journal C, cilt.76, sa.9, 2016 (SCI-Expanded)

DCCXI. Measurement of jet activity in top quark events using the $e\mu$ final state with two b-tagged jets in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector

- The ATLAS collaboration A., Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., et al.
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- DCCXII. **Searches for heavy diboson resonances in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
The ATLAS collaboration A., Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., et al.
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- DCCXIII. **Measurement of total and differential $W + W -$ production cross sections in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector and limits on anomalous triple-gauge-boson couplings**
The ATLAS collaboration A., Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., et al.
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- DCCXIV. **Charged-particle distributions at low transverse momentum in $\sqrt{s}=13$ TeV pp interactions measured with the ATLAS detector at the LHC**
Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.
European Physical Journal C, cilt.76, sa.9, 2016 (SCI-Expanded)
- DCCXV. **Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions at the LHC using the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.
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- DCCXVI. **Search for resonances in diphoton events at $\sqrt{s}=13$ TeV with the ATLAS detector**
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- DCCXVII. **Measurement of exclusive $\gamma\gamma \rightarrow W+W-$ production and search for exclusive Higgs boson production in pp collisions at $s = 8$ TeV using the ATLAS detector**
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- DCCXVIII. **Measurements of the charge asymmetry in top-quark pair production in the dilepton final state at $s = 8$ TeV with the ATLAS detector**
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- DCCXIX. **Search for charged Higgs bosons produced in association with a top quark and decaying via $H^\pm \rightarrow \tau\nu$ using pp collision data recorded at $\sqrt{s}=13$ TeV by the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.
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- DCCXX. **Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton-proton collisions at $s=13$ TeV with the ATLAS detector**
Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.
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- DCCXXI. **Measurement of W^\pm and Z-boson production cross sections in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**

Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., Abreu H., et al.

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DCCXXII. **Search for pair production of gluinos decaying via stop and sbottom in events with b-jets and large missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**

Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abouzeid O., Abraham N., Abramowicz H., Abreu H., et al.

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DCCXXIII. **Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector**

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DCCXXIV. **Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW^* \rightarrow e\nu\mu\nu$ with the ATLAS detector at $\sqrt{s}=8$ TeV**

The ATLAS collaboration A., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abolins M., AbouZeid O., Abramowicz H., et al.

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DCCXXV. **Measurement of the CP-violating phase ϕ_{sd} and the B_s^0 meson decay width difference with $B_s^0 \rightarrow J/\psi\phi$ decays in ATLAS**

The ATLAS collaboration A., Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., et al.

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DCCXXVI. **Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at $\sqrt{s} = 8$ TeV with the ATLAS detector**

The ATLAS collaboration A., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.

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DCCXXVII. **Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector**

The ATLAS collaboration A., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.

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DCCXXVIII. **Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector**

Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abouzeid O., Abraham N., Abramowicz H., et al.

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DCCXXIX. **Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector**

Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., et al.

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DCCXXX. **Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at $\sqrt{s} = 7$ and 8 TeV**

The ATLAS collaboration A., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., Abramowicz H., et al.

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DCCXXXI. **Search for single production of a vector-like quark via a heavy gluon in the $4b$ final state with the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV**

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- DCCXXXII. **Charged-particle distributions in $\sqrt{s}=13$ TeV pp interactions measured with the ATLAS detector at the LHC**
Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abolins M., AbouZeid O., Abraham N., Abramowicz H., et al.
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- CCXXXIII. **A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abolins M., Abouzeid O., Abramowicz H., Abreu H., et al.
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- CCXXXIV. **Probing charged Higgs boson couplings at a future circular hadron collider**
Cakir I. T., KUDAY S., Saygin H., Senol A., Cakir O.
PHYSICAL REVIEW D, cilt.94, sa.1, 2016 (SCI-Expanded)
- DCCXXXV. **Search for metastable heavy charged particles with large ionization energy loss in pp collisions at $s = 13$ TeV using the ATLAS experiment**
Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CCXXXVI. **Search for new phenomena in final states with large jet multiplicities and missing transverse momentum with ATLAS using $\sqrt{s}=13$ TeV proton-proton collisions**
Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.757, ss.334-355, 2016 (SCI-Expanded)
- CCXXXVII. **Measurements of $Z\gamma$ and $Z\gamma\gamma$ production in pp collisions at $s = 8$ TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abolins M., Abouzeid O., Abraham N., Abramowicz H., et al.
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- CCXXXVIII. **A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $\sqrt{s} = 8$ TeV proton-proton collisions**
The ATLAS collaboration A., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abolins M., AbouZeid O., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2016, sa.6, ss.1-49, 2016 (SCI-Expanded)
- CCXXXIX. **Measurement of the charged-particle multiplicity inside jets from $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector**
Atlas Collaboration C., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abolins M., AbouZeid O., Abraham N., et al.
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- DCCXL. **Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
The ATLAS collaboration A., Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., et al.
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- DCCXLI. **Measurement of the relative width difference of the B^0 - $B^{\bar{0}}$ system with the ATLAS detector**
The ATLAS collaboration A., Aaboud M., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O., Abraham N., et al.

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- DCCXLII. **Measurement of $D^{*\pm}$, D^\pm and D_s^\pm meson production cross sections in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., Abreu R., et al.
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- DCCXLIII. **Identification of high transverse momentum top quarks in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector**
The ATLAS collaboration A., Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., et al.
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- DCCXLIV. **Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $s=13$ TeV**
Atlas Collaboration C., Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abolins M., AbouZeid O., Abraham N., et al.
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- DCCXLV. **Measurement of the transverse momentum and $\phi\eta^*$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector**
Atlas Collaboration C., Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., et al.
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- DCCXLVI. **Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period**
Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abolins M., AbouZeid O., Abraham N., Abramowicz H., et al.
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- DCCXLVII. **Search for the standard model Higgs boson produced in association with a vector boson and decaying into a tau pair in pp collisions at $s=8$ TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., Abouzeid O., Abramowicz H., Abreu H., Abreu R., et al.
Physical Review D - Particles, Fields, Gravitation and Cosmology, cilt.93, sa.9, 2016 (SCI-Expanded)
- DCCXLVIII. **Evidence for single top-quark production in the s-channel in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector using the Matrix Element Method**
Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., Abreu R., et al.
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- DCCXLIX. **Measurement of the charge asymmetry in highly boosted top-quark pair production in $\sqrt{s}=8$ TeV pp collision data collected by the ATLAS experiment**
Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.756, ss.52-71, 2016 (SCI-Expanded)
- DCCL. **Measurement of the dependence of transverse energy production at large pseudorapidity on the hard-scattering kinematics of proton-proton collisions at $\sqrt{s}=2.76$ TeV with ATLAS**
Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., Abreu R., et al.
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- DCCLI. **A new method to distinguish hadronically decaying boosted Z bosons from W bosons using the ATLAS detector**
Atlas Collaboration C., Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., et al.
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- DCCLII. **Search for the Standard Model Higgs boson decaying into $b\bar{b}$ produced in association with top**

quarks decaying hadronically in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector

The ATLAS collaboration A, Aad G, Abbott B, Abdallah J, Abdinov O, Abeloos B, Aben R, Abolins M, AbouZeid O, Abraham N, et al.

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DCCLIII. Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment

Atlas Collaboration C, Aad G, Abbott B, Abdallah J, Abdinov O, Aben R, Abolins M, AbouZeid O, Abramowicz H, Abreu H, et al.

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DCCLIV. Measurements of $\langle W \rangle_{\pm} \langle Z \rangle$ production cross sections in $\langle pp \rangle$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on anomalous gauge boson self-couplings

Aad G, Abbott B, Abdallah J, Abdinov O, Abeloos B, Aben R, Abolins M, Abouzeid O, Abramowicz H, Abreu H, et al.

PHYSICAL REVIEW D, sa.9, 2016 (SCI-Expanded)

DCCLV. Search for supersymmetry at $\sqrt{s} = 13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector

Atlas Collaboration C, Aad G, Abbott B, Abdallah J, Abdinov O, Abeloos B, Aben R, Abolins M, AbouZeid O, Abramowicz H, et al.

European Physical Journal C, cilt.76, sa.5, 2016 (SCI-Expanded)

DCCLVI. Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks in pp collisions at $s = 8$ TeV with the ATLAS detector

Aad G, Abbott B, Abdallah J, Abdinov O, Aben R, Abolins M, Abouzeid O, Abramowicz H, Abreu H, Abreu R, et al.

Physical Review D, cilt.93, sa.7, 2016 (SCI-Expanded)

DCCLVII. Combination of searches for WW, WZ, and ZZ resonances in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector

Aad G, Abbott B, Abdallah J, Abdinov O, Aben R, Abolins M, AbouZeid O, Abramowicz H, Abreu H, Abreu R, et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.755, ss.285-305, 2016 (SCI-Expanded)

DCCLVIII. Performance of b-jet identification in the ATLAS experiment

Aad G, Abbott B, Abdallah J, Abdinov O, Aben R, Abolins M, AbouZeid O, Abramowicz H, Abreu H, Abreu R, et al.

Journal of Instrumentation, cilt.11, sa.4, 2016 (SCI-Expanded)

DCCLIX. Observation of Long-Range Elliptic Azimuthal Anisotropies in $\sqrt{s} = 13$ and 2.76 TeV $\langle pp \rangle$ Collisions with the ATLAS Detector

Aad G, Abbott B, Abdallah J, Abdinov O, Aben R, Abolins M, Abouzeid O, Abramowicz H, Abreu H, Abreu R, et al.

PHYSICAL REVIEW LETTERS, sa.17, 2016 (SCI-Expanded)

DCCLX. Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector

Aad G, Abajyan T, Abbott B, Abdallah J, Abdel Khalek S, Abdinov O, Aben R, Abi B, Abolins M, AbouZeid O, et al.

European Physical Journal C, cilt.76, sa.4, 2016 (SCI-Expanded)

DCCLXI. Search for anomalous couplings in the W tb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector

The ATLAS collaboration A, Aad G, Abbott B, Abdallah J, Abdinov O, Aben R, Abolins M, AbouZeid O,

Abramowicz H, Abreu H, et al.

Journal of High Energy Physics, cilt.2016, sa.4, 2016 (SCI-Expanded)

DCCLXII. Centrality, rapidity, and transverse momentum dependence of isolated prompt photon production in lead-lead collisions at $s_{NN} = 2.76$ TeV measured with the ATLAS detector

Aad G, Abbott B, Abdallah J, Abdel Khalek S, Abdinov O, Aben R, Abi B, Abolins M, Abouzeid O, Abramowicz H, et al.

Physical Review C, cilt.93, sa.3, 2016 (SCI-Expanded)

DCCLXIII. Search for magnetic monopoles and stable particles with high electric charges in 8 TeV pp collisions with the ATLAS detector

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- DCCLXIV. **Search for charged Higgs bosons in the $H_{\pm} \rightarrow tb$ decay channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector**
The ATLAS collaboration A, Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., et al.
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- DCCLXV. **Search for new phenomena in dijet mass and angular distributions from pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.754, ss.302-322, 2016 (SCI-Expanded)
- DCCLXVI. **Dijet production in $\sqrt{s}=7$ TeV pp collisions with large rapidity gaps at the ATLAS experiment**
Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., Abreu R., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.754, ss.214-234, 2016 (SCI-Expanded)
- DCCLXVII. **Search for new phenomena with photon+jet events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
The ATLAS collaboration A, Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abolins M., AbouZeid O., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2016, sa.3, 2016 (SCI-Expanded)
- DCCLXVIII. **Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC**
The ATLAS collaboration A, Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abolins M., AbouZeid O., Abramowicz H., et al.
Journal of High Energy Physics, cilt.2016, sa.3, 2016 (SCI-Expanded)
- DCCLXIX. **Search for the electroweak production of supersymmetric particles in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., Abreu R., et al.
Physical Review D, cilt.93, sa.5, 2016 (SCI-Expanded)
- DCCLXX. **Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s} = 8$ TeV**
Atlas Collaboration C, Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., et al.
European Physical Journal C, cilt.76, sa.3, 2016 (SCI-Expanded)
- DCCLXXI. **Measurement of jet charge in dijet events from $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., Abouzeid O., Abramowicz H., Abreu H., Abreu R., et al.
PHYSICAL REVIEW D, cilt.93, sa.5, 2016 (SCI-Expanded)
- DCCLXXII. **Measurement of the ZZ Production Cross Section in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector**
Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., Abolins M., Abouzeid O., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW LETTERS, sa.10, 2016 (SCI-Expanded)
- DCCLXXIII. **Measurement of the differential cross-section of highly boosted top quarks as a function of their transverse momentum in $\sqrt{s}=8$ TeV proton-proton collisions using the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., Abouzeid O., Abramowicz H., Abreu H., Abreu R., et al.
Physical Review D, cilt.93, sa.3, 2016 (SCI-Expanded)
- DCCLXXIV. **Measurements of four-lepton production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., Abreu R., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.753, ss.552-572, 2016 (SCI-

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- DCCLXXV. **Constraints on non-Standard Model Higgs boson interactions in an effective Lagrangian using differential cross sections measured in the $H \rightarrow \gamma\gamma$ decay channel at $\sqrt{s}=8$ TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., Abreu R., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.753, ss.69-85, 2016 (SCI-Expanded)
- DCCLXXVI. **Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., Abreu R., et al.
European Physical Journal C, cilt.76, sa.2, ss.1-30, 2016 (SCI-Expanded)
- DCCLXXVII. **Search for the production of single vector-like and excited quarks in the Wt final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector**
The ATLAS collaboration A., Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2016, sa.2, ss.1-46, 2016 (SCI-Expanded)
- DCCLXXVIII. **A search for prompt lepton-jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector**
The ATLAS collaboration A., Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., et al.
Journal of High Energy Physics, cilt.2016, sa.2, ss.1-51, 2016 (SCI-Expanded)
- DCCLXXIX. **Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., Abreu R., et al.
European Physical Journal C, cilt.76, sa.2, ss.1-30, 2016 (SCI-Expanded)
- DCCLXXX. **Measurement of the correlation between the polar angles of leptons from top quark decays in the helicity basis at $\sqrt{s}=7$ TeV using the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., Abouzeid O., Abramowicz H., Abreu H., Abreu R., et al.
Physical Review D, cilt.93, sa.1, 2016 (SCI-Expanded)
- DCCLXXXI. **Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at (Formula presented.) TeV with the ATLAS detector**
The ATLAS collaboration A., Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O., Abramowicz H., Abreu H., et al.
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- DCCLXXXIII. **Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s}=8$ TeV in pp collision data with the ATLAS detector**
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- DCCCXIV. **Measurement of differential J/ψ production cross sections and forward-backward ratios in p + Pb collisions with the ATLAS detector**
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- DCCCXXIII. **Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC**
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- DCCCXXV. **Search for Dark Matter in Events with Missing Transverse Momentum and a Higgs Boson Decaying to Two Photons in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector**
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- DCCCXXVI. **Modelling Z $\tau\tau$ processes in ATLAS with τ -embedded Z $\mu\mu$ data**
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- :CCXXXIX. **Measurement of the top quark mass in the $tt \rightarrow$ lepton+jets and $tt \rightarrow$ dilepton channels using $\sqrt{s} = 7$ TeV ATLAS data**
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The ATLAS collaboration A., Aad G., Abbott B., Abdallah J., Abdel Khalek S., Abidinov O., Aben R., Abi B., Abolins M.,

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The ATLAS collaboration A., Aad G., Abbott B., Abdallah J., Abdel Khalek S., Abidinov O., Aben R., Abi B., Abolins M., AbouZeid O., et al.
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- CM III. **Search for $H \rightarrow \gamma\gamma$ produced in association with top quarks and constraints on the Yukawa coupling between the top quark and the Higgs boson using data taken at 7 TeV and 8 TeV with the ATLAS detector**
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- CM VIII. **Search for resonant diboson production in the $llq\bar{q}$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector**
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