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Eğitim Bilgileri

Doktora, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 2006 - 2012

Yüksek Lisans, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Türkiye 2003 - 2006

Lisans, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, Türkiye 1998 - 2003

Yaptığı Tezler

Doktora, Büyük hadron çarpıştırıcısında üçüncü aile sfermyonlarının üretimi, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), 2012

Yüksek Lisans, Üst kuarkın FCNC üretimi, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2005

Verdiği Dersler

Fizik II - FIZ108, Lisans, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Measurement of top-quark pair production in association with charm quarks in proton-proton collisions at $s=13$ TeV with the ATLAS detector**
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- III. **Disentangling Sources of Momentum Fluctuations in (Formula presented) and (Formula presented) Collisions with the ATLAS Detector**
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- IV. **Search for heavy right-handed Majorana neutrinos in the decay of top quarks produced in proton-proton collisions at (Formula Presented) with the ATLAS detector**
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- V. **Measurements of Lund subjet multiplicities in 13 TeV proton-proton collisions with the ATLAS detector**
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- VI. **Jet radius dependence of dijet momentum balance and suppression in Formula Presented collisions at 5.02 TeV with the ATLAS detector**
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- VII. **Search for Formula Presented-parity violating supersymmetric decays of the top squark to a Formula Presented-jet and a lepton in Formula Presented Formula Presented collisions with the ATLAS detector**
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- VIII. **Search for pair production of boosted Higgs bosons via vector-boson fusion in the bb^*bb^* final state using pp collisions at $s=13$ TeV with the ATLAS detector**
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- IX. **Search for a resonance decaying into a scalar particle and a Higgs boson in the final state with two bottom quarks and two photons in proton-proton 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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- X. **Interpretations of the ATLAS measurements of Higgs boson production and decay rates and differential cross-sections in pp collisions at $s = 13$ TeV**
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- XI. **Search for neutral long-lived particles that decay into displaced jets in the ATLAS calorimeter in association with leptons or jets using pp collisions at $s = 13$ TeV**

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- XII. **Search for the Exclusive Formula Presented Boson Hadronic Decays Formula Presented, Formula Presented and Formula Presented with the ATLAS Detector**
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- XIII. **Search for Light Long-Lived Particles in Formula Presented Collisions at Formula Presented Using Displaced Vertices in the ATLAS Inner Detector**
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- XIV. **Combination and summary of ATLAS dark matter searches interpreted in a 2HDM with a pseudo-scalar mediator using 139 fb⁻¹ of s=13 TeV pp collision data**
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- XV. **Determination of the Relative Sign of the Higgs Boson Couplings to W and Z Bosons Using WH Production via Vector-Boson Fusion with the ATLAS Detector**
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- XVI. **Constraints on simplified dark matter models involving an s-channel mediator with the ATLAS detector in pp collisions at s=13 TeV**
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- XVII. **Search for a resonance decaying into a scalar particle and a Higgs boson in final states with leptons and two photons in proton-proton collisions at s = 13 TeV with the ATLAS detector**
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- XVIII. **Measurements of inclusive and differential cross-sections of tt̄γ production in pp collisions at s = 13 TeV with the ATLAS detector**
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- XIX. **Precise test of lepton flavour universality in W-boson decays into muons and electrons in pp collisions at s=13TeV with the ATLAS detector**
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- XX. **Measurements of jet cross-section ratios in 13 TeV proton-proton collisions with ATLAS**
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- XXI. **Search for a new Z' gauge boson via the pp → W± (*) → z'μ±ν → μ∓μ μ±ν process in pp collisions at vs =13 TeV with the ATLAS detector**
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- XXII. **Measurement of single top-quark production in association with a Formula Presented boson in Formula Presented collisions at Formula Presented with the ATLAS detector**
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- XXIII. **Fiducial and differential cross-section measurements of electroweak $W\gamma\gamma$ production in pp collisions at $s=13$ TeV with the ATLAS detector**
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- XXIV. **Precise measurements of W- and Z-boson transverse momentum spectra with the ATLAS detector using pp collisions at $s=5.02$ TeV and 13 TeV**
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- XXV. **Sensor response and radiation damage effects for 3D pixels in the ATLAS IBL Detector**
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- XXVI. **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**
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- XXVII. **Search for pair-produced vectorlike quarks coupling to light quarks in the lepton plus jets final state using 13 TeV pp collisions with the ATLAS detector**
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- XXVIII. **Search for dark mesons decaying to top and bottom quarks in proton-proton collisions at $s = 13$ TeV with the ATLAS detector**
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- XXIX. **Measurements of the production cross-section for a Z boson in association with b- or c-jets in proton-proton collisions at $s=13$ TeV with the ATLAS detector**
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- XXX. **Simultaneous energy and mass calibration of large-radius jets with the ATLAS detector using a deep neural network**
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- XXXI. **Calibration of a soft secondary vertex tagger using proton-proton collisions at Formula Presented with the ATLAS detector**
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- XXXII. **Search for leptoquark pair production decaying into $te\text{-}t^+e^+$ or $t\mu\text{-}t^+\mu^+$ in multi-lepton final states in pp collisions at $s=13$ TeV with the ATLAS detector**
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- XXXIII. **Accuracy versus precision in boosted top tagging with the ATLAS detector**
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- XXXIV. **Differential cross-sections for events with missing transverse momentum and jets measured with the ATLAS detector in 13 TeV proton-proton collisions**
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- XXXV. **Statistical Combination of ATLAS Run 2 Searches for Charginos and Neutralinos at the LHC**
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- XXXVI. **Measurement of t -channel single-top-quark production in pp collisions at $\sqrt{s} = 5.02$ 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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- XXXVII. **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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- XXXVIII. **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**
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- XXXIX. **Search for light long-lived neutral particles from Higgs boson decays via vector-boson-fusion production from pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
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- XL. **Observation of electroweak production of $W+W-$ in association with jets in proton-proton collisions at $s = 13$ TeV with the ATLAS detector**
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- XLI. **Measurement of the Z boson invisible width at $s=13$ TeV with the ATLAS detector**
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- XLII. **Search for charged-lepton-flavor violating $\mu \rightarrow \tau q \bar{q}$ interactions in top-quark production and decay in $p\bar{p}$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector at the LHC**
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- XLIII. **Combination of searches for pair-produced leptoquarks at $s=13$ TeV with the ATLAS detector**
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- XLIV. **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

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- XLV. **Combination of Searches for Resonant Higgs Boson Pair Production Using $p\bar{p}$ Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector**
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- XLVI. **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**
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- XLVII. **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**
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- XLVIII. **The ATLAS experiment at the CERN Large Hadron Collider: a description of the detector configuration for Run 3**
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- XLIX. **Measurement of t-channel production of single top quarks and antiquarks in pp collisions at 13 TeV using the full ATLAS Run 2 data sample**
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- L. **Improving topological cluster reconstruction using calorimeter cell timing in ATLAS**
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- LI. **Measurement and interpretation of same-sign W boson pair production in association with two jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**
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- LII. **ATLAS searches for additional scalars and exotic Higgs boson decays with the LHC Run 2 dataset**
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- LIII. **Observation of electroweak production of two jets and a Z-boson pair**
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- LIV. **The observation of jet azimuthal angular decorrelations at FCC-ep**
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- LV. **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**
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- LVI. **Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector**

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- LVII. Test of the universality of tau and mu lepton couplings in W-boson decays with the ATLAS detector**
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- LVIII. 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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- LIX. AZIMUTHAL ANGULAR DECORRELATION OF JETS AT FUTURE HIGH-ENERGY COLLIDERS**
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- LX. 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**
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