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Yoksis Araştırmacı ID: 121444

Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 1998 - 2002

Yüksek Lisans, The University of Toledo, Department Of Physics And Astronomy, Amerika Birleşik Devletleri 1996 - 1998

Lisans, Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, Türkiye 1987 - 1991

Yaptığı Tezler

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Araştırma Alanları

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Akademik Unvanlar / Görevler

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Yrd.Doç.Dr., Kütahya Dumlupınar Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2003 - 2010

Akademik İdari Deneyim

Anabilim/Bilim Dalı Başkanı, Ankara Üniversitesi, Hızlandırıcı Teknolojileri Enstitüsü, Hızlandırıcı Teknolojileri Anabilim Dalı, 2019 - Devam Ediyor

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Verdiği Dersler

Hızlandırıcılarda Radyo Frekans Yapıları, Yüksek Lisans, 2022 - 2023

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Işınım Kaynaklarına Giriş, Yüksek Lisans, 2022 - 2023

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **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**
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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- II. **Search for type-III seesaw heavy leptons in leptonic final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
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- III. **Measurement of the polarisation of single top quarks and antiquarks produced in the t -channel at $\sqrt{s}=13$ TeV and bounds on the tWb dipole operator from the ATLAS experiment**
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- IV. **Search for Higgs boson pair production in the two bottom quarks plus two photons final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**
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- V. **Observation of WWW Production in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector**
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- VI. **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**
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- VII. **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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VIII. **Direct constraint on the Higgs-charm coupling from a search for Higgs boson decays into charm quarks with the ATLAS detector**

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IX. **Search for invisible Higgs-boson decays in events with vector-boson fusion signatures using 139 fb⁻¹ of proton-proton data recorded by the ATLAS experiment**

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X. **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**

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

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XIV. **Search for long-lived charginos based on a disappearing-track signature using 136 fb⁻¹ of $\sqrt{s}=13$ TeV with the ATLAS detector**

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XV. **Two-particle Bose-Einstein correlations in $\sqrt{s}=13$ TeV measured with 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.

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XVI. **Constraints on Higgs boson properties using $WW^*(\rightarrow e \nu \mu \nu)jj$ production in 36.1 fb⁻¹ of $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector**

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XVII. **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**

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- XVIII. **Search for associated production of a Z boson with an invisibly decaying Higgs boson or dark matter candidates $\sqrt{s}=13$ TeV with the ATLAS detector**

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- XIX. **Search for neutral long-lived particles in pp collisions at $\sqrt{s}=13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter**

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- XX. **Measurement of Higgs boson decay into $b\bar{b}$ -quarks in associated production with a top-quark pair in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector**

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- XXI. **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 $\sqrt{s}=13$ TeV**

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- XXII. **Measurements of azimuthal anisotropies of jet production in Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector**

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- XXIII. **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**

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- XXIV. **Constraints on Higgs boson production with large transverse momentum using $H \rightarrow b\bar{b}(\bar{b}b)$ decays in the ATLAS detector**

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

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

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- XXVII. **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**

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

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XXIX. Measurement of the energy response of the ATLAS calorimeter to charged pions from $W \rightarrow \pi^\pm \rightarrow \tau^\pm \nu_\tau \nu_\tau$ events in Run 2 data

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XXX. 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.

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XXXI. 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

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XXXII. 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

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XXXIII. Search for exotic decays of the Higgs boson into $b(\bar{b})$ 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., Abramowicz H., Abreu H., Abulaiti Y., et al.

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XXXIV. Search for Higgs boson decays into a pair of pseudoscalar particles in the $b\bar{b}\mu\mu$ final state with the ATLAS detector in pp collisions at $\sqrt{s}=13$ TeV

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XXXV. Measurement of the c -jet mistagging efficiency in $t(\bar{t})$ events using pp collision data at $\sqrt{s}=13$ TeV collected with the ATLAS detector

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XXXVI. Studies of the performance of the ATLAS detector using cosmic-ray muons

Aad G., Abbott B., Abdallah J., Abdelalim A., Abdesselam A., Abidinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.

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XXXVII. Search for diphoton events with large missing transverse energy with 36 pb⁻¹ of 7 TeV proton-proton collision data with the ATLAS detector

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XXXVIII. **Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy**

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XXXIX. **Measurement of the $\Upsilon(1S)$ production cross-section in pp collisions at $\sqrt{s}=7$ TeV in ATLAS**

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XL. **Performance of the ATLAS detector using first collision data**

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XLI. **Commissioning of the ATLAS Muon Spectrometer with cosmic rays**

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XLII. **The ATLAS Inner Detector commissioning and calibration**

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XLIII. **Readiness of the ATLAS Tile Calorimeter for LHC collisions**

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XLIV. **Readiness of the ATLAS liquid argon calorimeter for LHC collisions**

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XLV. **Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons**

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XLVI. **Search for new particles in two-jet final states in 7 TeV proton-proton collisions with the ATLAS detector at the LHC**

Aad G., Abbott B., Abdallah J., Abdelalim A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.

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