

Prof. HATİCE YILDIZ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAN-3727-2021

ScopusID: 18037406800

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Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Fizik (Dr), Turkey 1998 - 2002

Postgraduate, The University of Toledo, Department Of Physics And Astronomy, United States Of America 1996 - 1998

Undergraduate, Ankara University, Fen Fakültesi, Fizik Bölümü, Turkey 1987 - 1991

Dissertations

Doctorate, Observing higgs in weak boson fusion with forward jet tagging at the CERN CMS experiment, Middle East Technical University, Genel Biyoloji Anabilim Dalı, Fizik (Dr), 2002

Postgraduate, Some Unstudied Decay Modes of the Tau Lepton, CLEO II Dedector and It's Properties, The University of Toledo, Department Of Physics And Astronomy, 1998

Research Areas

Natural Sciences

Academic Titles / Tasks

Associate Professor, Kütahya Dumlupınar University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2010 - 2011

Assistant Professor, Kütahya Dumlupınar University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2003 - 2010

Academic and Administrative Experience

Head of Department, Ankara University, Hızlandırıcı Teknolojileri Enstitüsü, Hızlandırıcı Teknolojileri Anabilim Dalı, 2019 - Continues

Ankara University, 2012 - Continues

Director of The Institution, Ankara University, Hızlandırıcı Teknolojileri Enstitüsü, Hızlandırıcı Teknolojileri Anabilim Dalı, 2021 - 2022

Kütahya Dumlupınar University, 2011 - 2011

Kütahya Dumlupınar University, 2011 - 2011
Kütahya Dumlupınar University, 2011 - 2011
Kütahya Dumlupınar University, 2011 - 2011
Kütahya Dumlupınar University, 2010 - 2011

Courses

Hızlandırıcılarda Radyo Frekans Yapıları, Postgraduate, 2022 - 2023
Demet Fiziğine Giriş, Postgraduate, 2022 - 2023
Işınım Kaynaklarına Giriş, Postgraduate, 2022 - 2023
Tez Çalışması, Postgraduate, 2022 - 2023
Uzmanlık Alan Dersi, Postgraduate, 2022 - 2023
Seminer, Postgraduate, 2022 - 2023
Hızlandırıcı Fiziğine Giriş, Postgraduate, 2022 - 2023
Uzmanlık Alan Dersi, Doctorate, 2016 - 2017, 2015 - 2016
ELEKTROMAGNETİK TEORİ I, Postgraduate, 2014 - 2015
ELEKTROMAGNETİK TEORİ I, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004
YÜKSEK ENERJİ FİZİĞİ, Postgraduate, 2014 - 2015, 2012 - 2013
UZMANLIK ALAN DERSİ, Undergraduate, 2010 - 2011
FİZİKTE ARAŞTIRMA TEKNİKLERİ, Undergraduate, 2010 - 2011, 2009 - 2010, 2008 - 2009
GENEL FİZİK II, Undergraduate, 2010 - 2011, 2009 - 2010
ELEKTROMAGNETİK TEORİ II, Undergraduate, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004
İLERİ DENEYSEL YÜKSEK ENERJİ FİZİĞİ, Postgraduate, 2010 - 2011
YÜKSEK ENERJİ FİZİĞİ UYGULAMALARI, Postgraduate, 2010 - 2011
İLERİ MATEMATİKSEL FİZİK, Postgraduate, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005
YÜKSEK ENERJİ FİZİĞİ UYGULAMALARI, Undergraduate, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005
GENEL FİZİK I, Undergraduate, 2009 - 2010
YÜKSEK ENERJİ FİZİĞİ-SEMİNER, Undergraduate, 2008 - 2009
DENEYSEL YÜKSEK ENERJİ FİZİĞİ, Undergraduate, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006
DİFERANSİYEL DENKLEMLER II, Undergraduate, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005
DİFERANSİYEL DENKLEMLER I, Undergraduate, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004
Kuantum Fiziği II, Undergraduate, 2004 - 2005
TEMEL FİZİK II, Undergraduate, 2003 - 2004
İLERİ MATEMATİKSEL FİZİK I, Postgraduate, 2003 - 2004
Mekanik Laboratuvarı, Undergraduate, 2002 - 2003
Temel Fizik Laboratuvarı, Undergraduate, 2001 - 2002
Modern Fizik, Undergraduate, 2000 - 2001

Advising Theses

YILDIZ H., Serbest Elektron Hızlandırıcılarında Demet Hattı Tasarımı ve Demet Dinamiği, Doctorate, D.PORSUK(Student), 2020
YILDIZ H., Süper iletken ve normal iletken hızlandırıcılarda kavite dizaynı ve hızlandırıcı sistemlerin modellenmesi, Postgraduate, D.PORSUK(Student), 2015
YILDIZ H., Kendiliğinden genlik artırımı lazer sisteminde elektron tabancası ve süper iletken hızlandırıcı yapıların

modellenmesi, Postgraduate, A.BAT(Student), 2012

YILDIZ H., Kızılötesi bölgede serbest elektron lazeri üretiminin tam modellenmesi, Postgraduate, M.AYDAR(Student), 2011

YILDIZ H., Dördüncü aile kuarklarının anormal rezonans üretimleri, Postgraduate, M.YILMAZ(Student), 2010

YILDIZ H., Türk Hızlandırıcı Merkezi (THM) serbest elektron lazeri optik kavite parametrelerinin belirlenmesi ve hesaplanması, Postgraduate, H.YILMAZ(Student), 2010

YILDIZ H., LHC-ATLAS deneyinde Dördüncü Aile Kuarklarının incelenmesi, Postgraduate, Y.ZEKA(Student), 2009

YILDIZ H., Dördüncü standart model ailesi fermiyonlarının üretimi ve modelleme çalışmaları, Postgraduate, G.KİBAR(Student), 2008

YILDIZ H., CERN-LHC'deki deneylerde yüksek enerji fiziği modelleme çalışmaları, Postgraduate, V.ÇETİNKAYA(Student), 2007

YILDIZ H., Yüksek enerji fiziği simülasyonlarında Monte Carlo teknik ve uygulamaları, Postgraduate, İ.SIDIR(Student), 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- 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.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2023, no.6, 2023 (SCI-Expanded)
- II. **Search for type-III seesaw heavy leptons in leptonic 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., Abramowicz H., Abreu H., Abulaiti Y., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.82, no.11, 2022 (SCI-Expanded)
- III. **Measurement of the polarisation of single top quarks and antiquarks produced in the $t\bar{t}$ -channel at $\sqrt{s}=13$ TeV and bounds on the tWb dipole operator from the ATLAS experiment**
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.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2022, no.11, 2022 (SCI-Expanded)
- 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**
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, vol.106, no.5, 2022 (SCI-Expanded)
- V. **Observation of WW Production 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.
PHYSICAL REVIEW LETTERS, vol.129, no.6, 2022 (SCI-Expanded)
- 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**
Aad G., Abbott B., Abbott D., Abud A. A., Abeling K., Abhayasinghe D., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW D, vol.106, no.3, 2022 (SCI-Expanded)
- 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**
Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., Aboulhorma A., Abramowicz

JOURNAL OF HIGH ENERGY PHYSICS, vol.2022, no.8, 2022 (SCI-Expanded)

- 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, vol.829, 2022 (SCI-Expanded)

- 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**

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, vol.829, 2022 (SCI-Expanded)

- 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**

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, vol.2022, no.6, 2022 (SCI-Expanded)

- 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**

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, vol.2022, no.6, 2022 (SCI-Expanded)

- 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**

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, vol.2022, no.6, 2022 (SCI-Expanded)

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

PHYSICAL REVIEW C, vol.105, no.6, 2022 (SCI-Expanded)

- 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**

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, vol.105, no.9, 2022 (SCI-Expanded)

- XXIV. **Constraints on Higgs boson production with large transverse momentum using $H \rightarrow b\bar{b}(\bar{b}b)$ 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, vol.105, no.9, 2022 (SCI-Expanded)

- 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**

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, vol.105, no.9, 2022 (SCI-Expanded)

- XXVI. **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, vol.82, no.4, 2022 (SCI-Expanded)

- 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**

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, vol.82, no.4, 2022 (SCI-Expanded)

XXVIII. 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, vol.82, no.3, 2022 (SCI-Expanded)

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

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, vol.82, no.3, 2022 (SCI-Expanded)

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.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2022, no.3, 2022 (SCI-Expanded)

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

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, vol.82, no.2, 2022 (SCI-Expanded)

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

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, vol.105, no.1, 2022 (SCI-Expanded)

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.

JOURNAL OF HIGH ENERGY PHYSICS, vol.2022, no.1, 2022 (SCI-Expanded)

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

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, vol.105, no.1, 2022 (SCI-Expanded)

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

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, vol.82, no.1, 2022 (SCI-Expanded)

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.

European Physical Journal C, vol.71, no.3, pp.1-36, 2011 (SCI-Expanded)

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

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

European Physical Journal C, vol.71, no.10, 2011 (SCI-Expanded)

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

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

European Physical Journal C, vol.71, no.11, pp.1-27, 2011 (SCI-Expanded)

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

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

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.705, no.1-2, pp.9-27, 2011 (SCI-Expanded)

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

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

Journal of High Energy Physics, vol.2010, no.9, 2010 (SCI-Expanded)

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

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

European Physical Journal C, vol.70, no.3, pp.875-916, 2010 (SCI-Expanded)

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

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

European Physical Journal C, vol.70, no.3, pp.787-821, 2010 (SCI-Expanded)

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

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

European Physical Journal C, vol.70, no.4, pp.1193-1236, 2010 (SCI-Expanded)

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

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

European Physical Journal C, vol.70, no.3, pp.723-753, 2010 (SCI-Expanded)

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

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

European Physical Journal C, vol.70, no.3, pp.755-785, 2010 (SCI-Expanded)

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.

Physical Review Letters, vol.105, no.16, 2010 (SCI-Expanded)

XLVII. **Charged-particle multiplicities in pp interactions at $\sqrt{s} = 900$ GeV measured with the ATLAS detector at the LHC**

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

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.688, no.1, pp.21-42, 2010 (SCI-Expanded)

XLVIII. **The ATLAS Simulation Infrastructure**

The ATLAS Collaboration A., Aad G., Abbott B., Abdallah J., Abdelalim A., Abdesselam A., Abdinov O., Abi B., Abolins

- M., Abramowicz H., et al.
European Physical Journal C, vol.70, no.3, pp.823-874, 2010 (SCI-Expanded)
- XLIX. **Anomalous resonant production of the fourth-family up-type quarks at the LHC**
Çakir I., YILDIZ H., Çakir O., Ünel G.
Physical Review D - Particles, Fields, Gravitation and Cosmology, vol.80, no.9, 2009 (SCI-Expanded)
- L. **Single production of fourth-family quarks at the LHC**
Cakir O., Cakir I. T., Yildiz H., Mehdiyev R.
European Physical Journal C, vol.56, no.4, pp.537-543, 2008 (SCI-Expanded)
- LI. **Anomalous single production of the fourth generation charged leptons at future ep colliders**
Ciftci A. K., ÇİFTÇİ R., Yildiz H., Sultansoy S.
Modern Physics Letters A, vol.23, no.14, pp.1047-1054, 2008 (SCI-Expanded)
- LII. **The ATLAS experiment at the CERN large hadron collider**
Aad G., Abat E., Abdallah J., Abdelalim A., Abdesselam A., Abidinov O., Abi B., Abolins M., Abramowicz H., Acerbi E., et al.
Journal of Instrumentation, vol.3, no.8, 2008 (SCI-Expanded)
- LIII. **Summary of the CMS potential for the Higgs boson discovery**
Abdullin S., Banerjee S., Bellucci L., Charlot C., Denegri D., Dittmar M., Drollinger V., Dubinin M., Dzelalija M., Green D., et al.
European Physical Journal C, vol.39, no.SUPPL. 2, 2005 (SCI-Expanded)
- LIV. **Observing high mass higgs using $pp \rightarrow qqH$ at CERN CMS experiment**
YILDIZ H.
CZECHOSLOVAK JOURNAL OF PHYSICS, vol.54, 2004 (SCI-Expanded)
- LV. **Study of high mass Higgs using $pp \rightarrow qqH$**
YILDIZ H., Zeyrek M.
ACTA PHYSICA POLONICA B, vol.34, no.8, pp.4001-4017, 2003 (SCI-Expanded)

Books & Book Chapters

- I. **Nükleer Kararsızlık**
ALĞIN E., REYHANCAN İ. A., AYDIN A., KAPLAN A., BOZKURT A., ÇAKIR M. A., KARA A., KAYIŞ TOPAKSU A., DEMİR B., TEL E., et al.
in: NÜKLEER FİZİK - İlkeler ve Uygulamalar, Abdullah Aydın, İsmail Hakkı Sarpün, Eyyup Tel, Abdullah Kaplan, Editor, Nobel Akademik Yayıncılık, Ankara, pp.65-91, 2018
- II. **Detektörler ve Cihazlar**
YALÇIN S., KARA A., ARI V., AYTEKİN H., SELVİ S., KAYIŞ TOPAKSU A., ALĞIN E., REYHANCAN İ. A., GÜRLER O., GÜMÜŞ H., et al.
in: Nükleer Fizik-İlkeler ve Uygulamalar, ABDULLAH AYDIN, İSMAİL HAKKI SARPÜN, EYYUP TEL, ABDULLAH KAPLAN, Editor, Nobel Akademik Yayıncılık, Ankara, pp.151-180, 2018
- III. **Bilim Uygulamaları 5. Sınıf**
YILDIZ H.
MİLLÎ EĞİTİM BAKANLIĞI YAYINLARI, Ankara, 2017
- IV. **Bilim Uygulamaları 6. Sınıf**
YILDIZ H., AYDINLI R., Ege M., Karaca i., Arslan A., CANLI S., ÖZTÜRK S.
MİLLÎ EĞİTİM BAKANLIĞI YAYINLARI, Ankara, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **CERN-ATLAS EXPERIMENT STUDIES AND ADCoS SHIFT DUTIES ON DATA DISTRIBUTION AT INSTITUTE OF ACCELERATOR TECHNOLOGIES**

YILDIZ H.

BSW2019 (Eighth Bozok Science Workshop), Yozgat, Turkey, 7 - 09 August 2019

II. Dump of the Beam at Linear Accelerators

YILDIZ H.

Seventh Bozok Science Workshop Boron and Boron Containing Nanomaterials with Applications, Yozgat, Turkey, 8 - 10 August 2018

III. Türkiye’de Temel Bilimlerde Kadının Yeri, CERN ATLAS Deneyindeki Çalışmalarımız ve Bunun Ülkemize Yansımaları

YILDIZ H.

Anadolu Kadınları (Bâciyân-ı Rûm) Teşkilatı Sempozyumu -2018, Balıkesir, Turkey, 21 - 23 February 2018

IV. High Energy Accelerator Studies in Turkey

YILDIZ H.

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