Prof. ERHAN PESEN

Personal Information

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International Researcher IDs
ScholarID: WcIKwg4AAAAJ
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Publons / Web Of Science ResearcherID: B-1753-2017
ScopusID: 6602614259
Yoksis Researcher ID: 103153

Biography

Lisans öğretimini Orta Doğu Teknik Üniversitesi (O.D.T.Ü) fizik bölümünü, 1990 yılında birincilikle tamamladı. Aynı yıl CERN'e Türkiye'den ilk defa gönderilen iki yaz okulu öğrencisinden biri olarak gitti. Yüksek lisans ve doktora çalışmalarını, O.D.T.Ü.'ne bağlı olarak, CERN CHORUS nötrino deneyindeki çalışmaları ile tamamladı. Deneyin hem kuruluş hem de yürütülmesinde önemli görevler üstlendi. Gösterdiği performans ile doktora sonrası, uzun yıllar sonra Türkiye'den gelen bir araştırmacı olarak ilk defa "CERN scientific associate (NMS fellowship)" pozisyonuna kabul edildi. Daha sonra Hollanda'ya bağlı NIKHEF enstitüsü adına CERN'deki deney çalışmalarına devam etti. İsviçre endüstrisinde danışmanlık ve yöneticilik görevleri yürüttü. 2012 yılında, Manisa Celal Bayar Üniversitesi'ne dönerek, üniversite adına CERN-LHCb deney çalışmalarına katıldı. 2013, 2014 ve 2015 yılları Manisa Celal Bayar Üniversitesi performans ödülünü ve 2015 bilim ödülünü aldı. 2016 sonrası Hızlandırıcı Güdümlü Nükleer Reaktör Sistemleri (ADS) üzerinde çalışmalar gerçekleştirdi. 2023 yılı sonu itibariyle de CERN CMS deney çalışmalarını MBCÜ bünyesinde başlattı.

Foreign Languages

English

Dissertations

Doctorate, Oscillation serarch study using tau-to electron decay channel in the chorus experiment, Middle East Technical University, 1997
Postgraduate, A Scintillating fiber detector for neutrino physics, Middle East Technical University, 1992

Research Areas

Avesis Research Areas: Physics, High Energy Physics, Basic Particles and Areas, Nuclear physics, Physics, Neutrino Physics
WoS Research Areas: Physics Particles & Fields, Physics Nuclear, Quantum Science & Technology
Scopus Research Areas: Nuclear and High Energy Physics, Modeling and Simulation, Nuclear Energy and Engineering

Academic Positions

Professor, 2014 - Present
Associate Professor, 2012 - 2014
Research Assistant, Middle East Technical University, 1992 - 1997

Academic and Administrative Experience

Fikri ve Sinai Mülkiyet Hakları Kurulu, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Fizik, 2023 - Present
Head of Department, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Fizik, 2012 - Present
Member Of Scientific Research Projects Committee, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Fizik, 2016 - 2020

Courses

Postgraduate
Deneysel Parçacık Fiziğinin Temel Teknikleri, Postgraduate, 2026 - 2027
Temel Parçacık Fiziği I, Postgraduate, 2026 - 2027
Undergraduate
Physics I, Undergraduate, 2026 - 2027
Yüksek Enerji Fiziği, Undergraduate, 2026 - 2027
Kuantum Fiziği II, Undergraduate, 2025 - 2026
Physics II, Undergraduate, 2025 - 2026
Bitirme Projesi II, Undergraduate, 2026 - 2027
Kuantum Fiziği I, Undergraduate, 2026 - 2027
Bitirme Projesi I, Undergraduate, 2025 - 2026
1301 PHYSICS I, Undergraduate, 2021-2022, 2020-2021, 2019-2020
3135 Kuantum Fiziği I, Undergraduate, 2021-2022, 2020-2021, 2019-2020
2111 Elektronik Lab I, Undergraduate, 2021-2022, 2020-2021
3136 Kuantum Fiziği II, Undergraduate, 2020-2021, 2019-2020
1304 PHYSICS II, Undergraduate, 2020-2021, 2019-2020
2112 Elektronik Lab II, Undergraduate, 2020-2021, 2019-2020
İstatiksel Termodinamik, Undergraduate, 2019-2020
Elektrik ve Elektronik Laboratuvarı II, Undergraduate, 2019-2020, 2018-2019
FRESHMAN PHYSİCS I, Undergraduate, 2019-2020, 2018-2019, 2017-2018, 2016-2017, 2015-2016, 2014-2015, 2013-2014
Kuantum Fiziği II, Undergraduate, 2019-2020, 2018-2019
FRESHMAN PHYSİCS II, Undergraduate, 2019-2020, 2018-2019, 2017-2018, 2016-2017, 2014-2015, 2013-2014
3114 Bitirme Projesi, Undergraduate, 2019-2020
3137 İstatiksel Termodinamik, Undergraduate, 2019-2020
Kuantum Fiziği I, Undergraduate, 2019-2020
Bitirme Projesi, Undergraduate, 2019-2020
Fizik I, Undergraduate, 2018-2019
Elektrik ve Elektronik Laboratuvarı I, Undergraduate, 2018-2019
TERMODİNAMİK, Undergraduate, 2018-2019, 2017-2018, 2016-2017, 2015-2016, 2014-2015, 2013-2014, 2012-2013
ISTATİSTİK FİZİK, Undergraduate, 2017-2018, 2016-2017, 2014-2015, 2013-2014
ARAŞTIRMA PROJESİ II, Undergraduate, 2017-2018, 2016-2017, 2015-2016, 2014-2015, 2013-2014
ARAŞTIRMA PROJESİ I, Undergraduate, 2016-2017, 2015-2016, 2014-2015

Fizik Lab., Undergraduate, 2016-2017
Technical English, Undergraduate, 2015-2016, 2014-2015
BASİC COMPUTER PROGRAMMİNG, Undergraduate, 2015-2016, 2014-2015
Yüksek Enerji ve Plazma Fiziğine Giriş I, Undergraduate, 2013-2014
Fizik I Laboratuar Dersi, Undergraduate, 2013-2014
Dalga Salınım Lab I, Undergraduate, 2013-2014
Programlama Dili, Undergraduate, 2013-2014
Hızlandırıcı Fiziği, Undergraduate, 2012-2013
Yüksek Enerji ve Plazma Fiziğine Giriş I, Undergraduate, 2011-2012
İstatistik Fizik, Undergraduate, 2011-2012

Undergraduate Minor

İleri Yüksek Enerji Fiziği II, Undergraduate Minor, 2019-2020
6208 Nükleer Reaktör Teorisi, Undergraduate Minor, 2019-2020
6233 İleri Yüksek Enerji Fiziği I, Undergraduate Minor, 2019-2020
Nükleer Reaktör Teorisi II, Undergraduate Minor, 2019-2020
İleri Yüksek Enerji Fiziği I, Undergraduate Minor, 2019-2020
6232 İleri Yüksek Enerji Fiziği II, Undergraduate Minor, 2019-2020
İleri Yüksek Enerji Fiziği I, Undergraduate Minor, 2011-2012

Undergraduate Double Major

5271 DETEKTÖR TEKNOLOJİLERİ, Undergraduate Double Major, 2019-2020
DENEYSEL PARÇACIK FİZİĞİNİN TEMEL TEKNİKLERİ, Undergraduate Double Major, 2019-2020, 2015-2016, 2014-2015, 2013-2014, 2012-2013
Temel parçacık fiziği I, Undergraduate Double Major, 2015-2016, 2013-2014, 2012-2013
TEMEL PARÇACIK FİZİĞİ II, Undergraduate Double Major, 2015-2016, 2014-2015, 2012-2013
DETEKTÖR TEKNOLOJİLERİ, Undergraduate Double Major, 2015-2016, 2014-2015, 2013-2014, 2012-2013
Yüksek Enerji Fiziği, Undergraduate Double Major, 2013-2014
Enerji Teknolojisi, Undergraduate Double Major, 2011-2012

Supervised Theses

PESEN E., CERN LHCb deneyinde lüminositenin belirlenmesi, Postgraduate, M.ORUÇOĞLU(Student), 2016

Jury Memberships

Post Graduate, Post Graduate, Ege Üniversitesi, October, 2026
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ege Üniversitesi, June, 2026
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ege Üniversitesi, December, 2025
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ege Üniversitesi, December, 2024
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ege Üniversitesi, August, 2024
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ege Üniversitesi, December, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ege Üniversitesi, June, 2023
Doctoral Examination, Doctoral Examination, Ege Üniversitesi, January, 2021

Articles

I. **Model-independent confirmation of the Z (4430)- state**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Albrecht J., Alessio F., Alexander M., Ali S., Alkhazov G., et al.
Physical Review D - Particles, Fields, Gravitation and Cosmology, vol.92, no.11, 2015 (SCI-Expanded, Scopus)

II. **Search for CP violation in D0→π-π+π0decays with the energy test**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.740, pp.158-167, 2015 (SCI-Expanded, Scopus)

III. **Measurement of the ηc(1S) production cross-section in proton–proton collisions via the decay ηc(1S) → pp**
Aaij R., Beteta C. A., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., et al.
European Physical Journal C, vol.75, no.7, 2015 (SCI-Expanded, Scopus)

IV. **Observation of the rare B0 s→μ+μ- decay from the combined analysis of CMS and LHCb data**
Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Erö J., Friedl M., Frühwirth R., Ghete V., et al.
Nature, vol.522, no.7554, pp.68-72, 2015 (SCI-Expanded, Scopus)

V. **Determination of the branching fractions of BS0→ DS∓K∓ and B0 → DS−K+**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Journal of High Energy Physics, vol.2015, no.5, 2015 (SCI-Expanded, Scopus)

VI. **Measurement of forward Z → e+e− production at √s = 8 TeV**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Journal of High Energy Physics, vol.2015, no.5, pp.1-21, 2015 (SCI-Expanded, Scopus)

VII. **Search for long-lived particles decaying to jet pairs**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
European Physical Journal C, vol.75, no.4, pp.1-12, 2015 (SCI-Expanded, Scopus)

VIII. **Study of the rare Bs0 and B0 decays into the π+π-μ+μ- final state**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.743, pp.46-55, 2015 (SCI-Expanded, Scopus)

IX. **Measurement of Bc+ production in proton-proton collisions at s =8TeV**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physical Review Letters, vol.114, no.13, 2015 (SCI-Expanded, Scopus)

X. **Angular analysis of the B0 → K*0e+e− decay in the low-q2 region**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Journal of High Energy Physics, vol.2015, no.4, 2015 (SCI-Expanded, Scopus)

XI. **Measurement of indirect CP asymmetries in D0 → K−K+ and D0 → π−π+ decays using semileptonic B decays**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Journal of High Energy Physics, vol.2015, no.4, 2015 (SCI-Expanded, Scopus)

XII. **Precise measurements of the properties of the B1(5721)0,+ and B2*(5747)0,+ states and observation of B +,0π−,+ mass structures**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Journal of High Energy Physics, vol.2015, no.4, 2015 (SCI-Expanded, Scopus)

XIII. **LHCb detector performance**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
International Journal of Modern Physics A, vol.30, no.7, 2015 (SCI-Expanded, Scopus)

XIV. **Measurement of the lifetime of the Bc+ meson using the Bc+→J/ψπ+ decay mode**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.742, pp.29-37, 2015 (SCI-Expanded, Scopus)

XV. **Measurement of the track reconstruction efficiency at LHCb**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.

Journal of Instrumentation, vol.10, no.2, 2015 (SCI-Expanded, Scopus)

XVI. **Observation of two new Ξb- Baryon resonances**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physical Review Letters, vol.114, no.6, 2015 (SCI-Expanded, Scopus)

XVII. **Precision measurement of CP violation in BS0 →j / Ψk+K- decays**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physical Review Letters, vol.114, no.4, 2015 (SCI-Expanded, Scopus)

XVIII. **Measurement of the semileptonic CP asymmetry in B0 - B ¯ 0 mixing**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physical Review Letters, vol.114, no.4, 2015 (SCI-Expanded, Scopus)

XIX. **Measurement of the CP-violating phase βin B0→J/Ψπ+π-decays and limits on penguin effects**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.742, no.1, pp.38-49, 2015 (SCI-Expanded, Scopus)

XX. **Determination of γ and -2βsfrom charmless two-body decays of beauty mesons**
Aaij R., Abellán Beteta C., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.741, pp.1-11, 2015 (SCI-Expanded, Scopus)

XXI. **Measurement of the Z+b-jet cross-section in pp collisions at(Formula presented.)= 7 TeV in the forward region**
Zhong L., Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., et al.
Journal of High Energy Physics, vol.2015, no.1, pp.1-15, 2015 (SCI-Expanded, Scopus)

XXII. **Study of η − η′ mixing from measurement of B (s)0 → J/ψη(′) decay rates**
The LHCb collaboration L., Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., et al.
Journal of High Energy Physics, vol.2015, no.1, pp.1-24, 2015 (SCI-Expanded, Scopus)

XXIII. **Measurement of the inelastic pp cross-section at a centre-of-mass energy of √s = 7 TeV**
The LHCb collaboration L., Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., et al.
Journal of High Energy Physics, vol.2015, no.2, pp.1-16, 2015 (SCI-Expanded, Scopus)

XXIV. **Search for the lepton flavour violating decay τ− → μ−μ+μ−**
Zhong L., Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., et al.
Journal of High Energy Physics, vol.2015, no.2, pp.1-20, 2015 (SCI-Expanded, Scopus)

XXV. **Measurements of CP violation in the three-body phase space of charmless B± decays measurements of cp violation in the three- ... R. Aaij et al.**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physical Review D - Particles, Fields, Gravitation and Cosmology, vol.90, no.11, 2014 (SCI-Expanded, Scopus)

XXVI. **LHCb Collaboration**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Albrecht J., Alessio F., Alexander M., Ali S., Alkhazov G., et al.
Nuclear Physics A, vol.932, pp.621-626, 2014 (SCI-Expanded)

XXVII. **Measurement of the B0B0 and Bs 0Bs 0 production asymmetries in pp collisions at √s = 7TeV**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.739, pp.218-228, 2014 (SCI-Expanded, Scopus)

XXVIII. **Measurement of CP violation parameters in B0 →dK∗0 decays**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physical Review D - Particles, Fields, Gravitation and Cosmology, vol.90, no.11, 2014 (SCI-Expanded, Scopus)

XXIX. **Observation of B0 s→ K∗±K∓and evidence for B0 s→ K∗-π+decays**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
New Journal of Physics, vol.16, 2014 (SCI-Expanded, Scopus)

XXX. **Measurement of CP violation and constraints on the CKM angle γ in B±→DK± with D→KS0π+π- decays**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Albrecht J., Alessio F., Alexander M., Ali S., Alkhazov G., et al.
Nuclear Physics B, vol.888, pp.169-193, 2014 (SCI-Expanded, Scopus)

XXXI. **Precision luminosity measurements at LHCb**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Journal of Instrumentation, vol.9, no.12, 2014 (SCI-Expanded, Scopus)

XXXII. **Measurement of the CP -Violating Phase φs in B ¯ s0 → Ds+ Ds- Decays**
Aaij R., Abellán Beteta C., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., et al.
Physical Review Letters, vol.113, no.21, 2014 (SCI-Expanded, Scopus)

XXXIII. **Observation of charmonium pairs produced exclusively in pp collisions**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Journal of Physics G: Nuclear and Particle Physics, vol.41, no.11, 2014 (SCI-Expanded, Scopus)

XXXIV. **Measurement of the B ¯ s0 meson lifetime in Ds+ π- Decays**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physical Review Letters, vol.113, no.17, 2014 (SCI-Expanded, Scopus)

XXXV. **Study of Xbmeson production in pp collisions at √s=7 and 8 TeV and observation of the decay Xb(3P) → ϒ (3S) γ**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
European Physical Journal C, vol.74, no.10, pp.1-13, 2014 (SCI-Expanded, Scopus)

XXXVI. **Observation of Overlapping Spin-1 and Spin-3 D ¯ 0K- Resonances at Mass 2.86GeV /c2**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physical Review Letters, vol.113, no.16, 2014 (SCI-Expanded, Scopus)

XXXVII. **Dalitz plot analysis of Bs0 → D ¯ 0K-π+ decays Dalitz plot analysis of ... R. Aaij et al.**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physical Review D - Particles, Fields, Gravitation and Cosmology, vol.90, no.7, 2014 (SCI-Expanded, Scopus)

XXXVIII. **First observation of a baryonic B+ c decay**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physical Review Letters, vol.113, no.15, 2014 (SCI-Expanded, Scopus)

XXXIX. **First observations of the rare decays B+→ K+π+π-μ+μ-and B+→ φK+μ+μ-**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Journal of High Energy Physics, vol.2014, no.10, pp.1-18, 2014 (SCI-Expanded, Scopus)

XL. **Test of lepton universality using B+ →k+l+l- decays**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physical Review Letters, vol.113, no.15, 2014 (SCI-Expanded, Scopus)

XLI. **Search for CP violation using T-odd correlations in D0→ K+K-π+π-decays**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Journal of High Energy Physics, vol.2014, no.10, pp.1-21, 2014 (SCI-Expanded, Scopus)

XLII. **Measurement of CP violation in Bs0 →φφ decays**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physical Review D - Particles, Fields, Gravitation and Cosmology, vol.90, no.5, 2014 (SCI-Expanded, Scopus)

XLIII. **Evidence for CP violation in B+ →p p ¯ K+ decays**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physical Review Letters, vol.113, no.14, 2014 (SCI-Expanded, Scopus)

XLIV. **Measurement of the CP-violating phaseφsin B-s0→J/ψπ+π- decays**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.736, pp.186-195, 2014 (SCI-Expanded, Scopus)

XLV. **Measurement of the Ξb- and Ωb- baryon lifetimes**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Albrecht J., Alessio F., Alexander M., Ali S., Alkhazov G., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.736, pp.154-162, 2014 (SCI-Expanded, Scopus)

XLVI. **Effective lifetime measurements in the Bs0→K+K-, B0→K+π-and B0s→π+K-decays**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Albrecht J., Alessio F., Alexander M., Ali S., Alkhazov G., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.736, pp.446-454, 2014 (SCI-Expanded, Scopus)

XLVII. **Observation of Z production in proton-lead collisions at LHCb**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Journal of High Energy Physics, vol.2014, no.9, 2014 (SCI-Expanded, Scopus)

XLVIII. **Measurement of the ratio of Bc+ branching fractions to J /ψπ+ and J /ψμ+νμ final states**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physical Review D - Particles, Fields, Gravitation and Cosmology, vol.90, no.3, 2014 (SCI-Expanded, Scopus)

XLIX. **First measurement of the charge asymmetry in beauty-quark pair production**
Aaij R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., Ali S., et al.
Physical Review Letters, vol.113, no.8, 2014 (SCI-Expanded, Scopus)

L. **Precision measurement of the mass and lifetime of the Ξ0 b Baryon**
Aaij R., Aaijsp R., Adeva B., Adinolfi M., Affolder A., Ajaltouni Z., Akar S., Albrecht J., Alessio F., Alexander M., et al.
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LI. **Measurement of the resonant and CP components in B¯ 0 →j /ψπ+π- decays**
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Funded Projects

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Metrics

Publication: 140
Citation (WoS): 8435
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Awards

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PESEN E., Fizik Bölüm Birinciliği , ORTA DOĞU TEKNİK ÜNİVERSİTESİ, January 1990

Non Academic Experience

Technology Development Zone, MCBÜ Teknokent, Yönetim Kurulu, Üye
MSR-Strategic Resources, Division Manager
POWERSOFT-RP, Project Manager
NIKHEF-Nationaal instituut voor subatomaire fysica, Doktora sonrası araştırıcı
CERN-The European Nuclear Research, Doktora sonrası araştırıcı