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Personal Information

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Education Information

Doctorate, Akdeniz University, Institute of Science, Fizik Anabilim Dalı, Turkey 2014 - Continues

Postgraduate, Akdeniz University, Institute of Science, Fizik Anabilim Dalı, Turkey 2011 - 2014

Undergraduate, Istanbul Technical University, Fen Edebiyat Fakültesi, Fizik Mühendisliği, Turkey 2002 - 2008

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, UZAY-ZAMAN SİMETRİLERİ İLE LİE VE NOETHER SİMETRİLERİ ARASINDAKİ İLİŞKİLER, Akdeniz University, Institute of Science, Fizik Anabilim Dalı, 2014

Research Areas

Physics, Astronomy and Astrophysics, Nuclear physics, Experimental Methods of Particle and Nuclear Physics, Natural Sciences

Academic Titles / Tasks

Research Assistant, Akdeniz University, Institute of Science, Fizik, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Gamma spectrometry measurements of natural and artificial radioactivity of Saklıkent-Antalya and its correlation to quarries**
YILDIRIM A., SOLAKCI S. O., EKE C., BOZTOSUN İ.
ARABIAN JOURNAL OF GEOSCIENCES, vol.14, no.16, 2021 (SCI-Expanded)
- II. **Radiation attenuation properties of some commercial polymers for advanced shielding applications at low energies**
Al-Buriah M. S., EKE C., Alomairy S., YILDIRIM A., ALSAEEDY H. I., SRIWUNKUM C.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.32, no.6, pp.2386-2396, 2021 (SCI-Expanded)

- III. **Initial State Interaction for the Ne-20**
Carbone D., Linares R., Amador-Valenzuela P., Calabrese S., Cappuzzello F., Cavallaro M., Firat S., Fisichella M., Spatafora A., Acosta L., et al.
UNIVERSE, vol.7, no.3, 2021 (SCI-Expanded)
- IV. **The NUMEN Heavy Ion Multidetector for a Complementary Approach to the Neutrinoless Double Beta Decay**
Finocchiario P., Acosta L., Agodi C., Altana C., Amador-Valenzuela P., Bortosun I., Brasolin S., Brischetto G. A., Brunasso O., Calabrese S., et al.
UNIVERSE, vol.6, no.9, 2020 (SCI-Expanded)
- V. **Ne-20 +Ge- 76 elastic and inelastic scattering at 306 MeV**
Spatafora A., Cappuzzello F., Carbone D., Cavallaro M., Lay J. A., Acosta L., Agodi C., Bonanno D., Bongiovanni D., BOZTOSUN İ., et al.
PHYSICAL REVIEW C, vol.100, no.3, 2019 (SCI-Expanded)
- VI. **Charge-state distributions of Ne-20 ions emerging from thin foils**
CAVALLARO M., SANTAGATI G., CAPPUZZELLO F., CARBONE D., LINARES R., TORRESI D., ACOSTA L., AGODI C., BONANNO D., BONGIOVANNI D., et al.
RESULTS IN PHYSICS, vol.13, 2019 (SCI-Expanded)
- VII. **The NUMEN project: NUClear Matrix Elements for Neutrinoless double beta decay**
CAPPUZZELLO F., AGODI C., CAVALLARO M., CARBONE D., TUDISCO S., LO PRESTI D., Oliveira J. R. B., FINOCCHIARIO P., COLONNA M., RIFUGGIATO D., et al.
EUROPEAN PHYSICAL JOURNAL A, vol.54, no.5, 2018 (SCI-Expanded)
- VIII. **FIRST MEASUREMENT OF THE Cd-116(Ne-20, O-20)Sn-116 REACTION AT 15 A MeV**
CALABRESE S., CAPPUZZELLO F., CARBONE D., CAVALLARO M., AGODI C., ACOSTA L., BONANNO D., BONGIOVANNI D., Borello-Lewin T., BOZTOSUN İ., et al.
ACTA PHYSICA POLONICA B, vol.49, no.3, pp.275-280, 2018 (SCI-Expanded)
- IX. **New exact solutions of Bianchi I, Bianchi III and Kantowski-Sachs spacetimes in scalar-coupled gravity theories via Noether gauge symmetries**
Camci U., YILDIRIM A., OZ I. B.
ASTROPARTICLE PHYSICS, vol.76, pp.29-37, 2016 (SCI-Expanded)
- X. **Noether gauge symmetry classes for pp-wave spacetimes**
Camci U., YILDIRIM A.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.12, no.10, 2015 (SCI-Expanded)
- XI. **Lie and Noether symmetries in some classes of pp-wave spacetimes**
Camci U., YILDIRIM A.
PHYSICA SCRIPTA, vol.89, no.8, 2014 (SCI-Expanded)
- XII. **Deep-seated lipoma of the foot**
YILDIRIM F. B., Yildirim A., SARIKCIOĞLU L., Ucar Y.
WEST INDIAN MEDICAL JOURNAL, vol.56, no.4, pp.388-389, 2007 (SCI-Expanded)

Articles Published in Other Journals

- I. **A NEW DEFORMED POTENTIAL IN EXPLAINING THE α -DECAY**
YILDIRIM A., Alimov D., Bakirov M., KÜÇÜK Y., BOZTOSUN İ.
Acta Physica Polonica B, Proceedings Supplement, vol.16, no.2, 2023 (Scopus)
- II. **The NUMEN Project: An Update of the Facility Toward the Future Experimental Campaigns**
Cappuzzello F., Acosta L., Agodi C., BOZTOSUN İ., Brischetto G. A., Calabrese S., Calabretta L., Calvo D., Campajola L., Capirossi V., et al.
FRONTIERS IN ASTRONOMY AND SPACE SCIENCES, vol.8, 2021 (ESCI)
- III. **Experimental and Simulation Results of the Self-Absorption Correction Factors of Some Chemical Fertilizers in the Energy Range from 80 to 1332 keV**

Refereed Congress / Symposium Publications in Proceedings

- I. **Assessment of radiation-protective properties of Y2O3-MnO2-Al2O3-SiO2-CaO using Phy-X software and Geant4 simulation code**
Aladailah M., Shirmanov I., Strugov E., Tashlykov O., EKE C., YILDIRIM A.
8th International Young Researchers" Conference on Physics, Technology, Innovations, PTI 2021, Jekaterinburg, Russia, 17 - 21 May 2021, vol.2466
- II. **Investigation of Photon Attenuation Properties of CR-39 Lens**
EKE C., YILDIRIM A.
28th Annual Symposium of the Hellenic Nuclear Physics Society, Greece, 31 May - 01 June 2019, vol.27, pp.60-67
- III. **Recent results on heavy-ion induced reactions of interest for neutrinoless double beta decay at INFN-LNS**
Cavallaro M., Acosta L., Agodi C., Altana C., Amador-Valenzuela P., Auerbach N., Barea J., Bellone J. I., Bijker R., Bonanno D., et al.
4th International Conference on Nuclear Structure and Dynamics (NSD), Venice, Italy, 13 - 17 May 2019, vol.223
- IV. **Experimental issues for the measurement of the double charge exchange reactions within the NUMEN project**
CARBONE D., CAPPUZZELLO F., AGODI C., CAVALLARO M., ACOSTA L., BONANNO D., BONGIOVANNI D., BOZTOSUN İ., CALABRESE S., CALVO D., et al.
Conference on Neutrino and Nuclear Physics (CNNP), Catania, Italy, 15 - 21 October 2017, vol.1056
- V. **Experimental challenges in the measurement of double charge exchange reactions within the NUMEN project**
CARBONE D., CAPPUZZELLO F., AGODI C., CAVALLARO M., ACOSTA L., BONANNO D., BONGIOVANNI D., BOZTOSUN İ., CALABRESE S., CALVO D., et al.
41st Symposium on Nuclear Physics (Cocoyoc), Cocoyoc, Mexico, 8 - 11 January 2018, vol.1078
- VI. **Posterior Interosseous Nerve Syndrome (PINS) originating from lipoma of the proximal radius: a case report**
YILDIRIM F. B., ÖĞÜT E., ÖZSOY U., YILDIRIM A.
18th National Anatomy Congress, Bolu, Turkey, 25 - 27 September 2017, vol.11, no.2, pp.131-132
- VII. **Posterior Interosseous Nerve Syndrome (PINS) originating from lipoma of the proximal radius: a case report**
YILDIRIM F. B., ÖĞÜT E., ÖZSOY U., YILDIRIM A.
18th National Anatomy Congress, Bolu, Turkey, 25 - 27 September 2017, vol.11, pp.131-132
- VIII. **Posterior Interosseous Nerve Syndrome (PINS) originating from lipoma of the proximal radius: a case report**
YILDIRIM F. B., ÖĞÜT E., ÖZSOY U., YILDIRIM A.
18th National Anatomy Congress, Bolu, Turkey, 25 - 27 September 2017, vol.11, no.2, pp.131-132
- IX. **The NUMEN Project @ LNS: Status and Perspectives**
CAPPUZZELLO F., AGODI C., ACOSTA L., AUERBACH N., BELLONE J., BIJKER R., BONANNO D., BONGIOVANNI D., Borello-Lewin T., BOZTOSUN İ., et al.
Workshop on Calculation of Double-Beta-Decay Matrix Elements (MEDEX), Prague, Czech Republic, 29 May - 02 June 2017, vol.1894

Supported Projects

BOZTOSUN İ., YILDIRIM A., SOLAKCI S. O., ÇOBAN A., Project Supported by Higher Education Institutions, LaBr3(Ce)

Sintilatör Dedektörü Geliştirilmesi ve Yapımı, 2017 - 2021

BOZTOSUN İ., YILDIRIM A., Project Supported by Higher Education Institutions, Seryum Katkılı LaBr₃(Ce) Dedektörünün Monte Carlo Simülasyonları ile Tasarlanması ve Geliştirilen Dedektörün NUMEN Deneyi Ölçümlerinde Kullanılması, 2018 - 2020

Metrics

Publication: 25

Citation (WoS): 286

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H-Index (Scopus): 9