

Asst. Prof. ŞADIYE MERAL ÇAKMAK

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International Researcher IDs

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Education Information

Doctorate, Celâl Bayar Üniversitesi, Fen Bilimleri Enstitüsü, Nükleer Fizik (YI) (Tezli), Turkey 2012 - 2015

Postgraduate, Anadolu University, Faculty Of Arts And Sciences, Fizik Pr., Turkey 2008 - 2010

Undergraduate, Gazi University, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 2003 - 2008

Dissertations

Doctorate, Astrofiziksel koşullar altında Gamow-Teller geçişlerinin incelenmesi, Celâl Bayar Üniversitesi, Fen Bilimleri Enstitüsü, Nükleer Fizik (YI) (Tezli), 2015

Postgraduate, Yarı-simetrik moleküllerin simetri operasyonlarının Clifford cebiriyle incelenmesi, Anadolu University, Fen-Edebiyat Fakültesi, Fizik Pr., 2010

Research Areas

Physics, Nuclear physics, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Eskisehir Osmangazi University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikler Bölümü, 2016 - Continues

Lecturer, European Vocational School, Avrupa Vocational School, Department Of Medical Services And Techniques, 2016 - 2016

Courses

FİZİK 1, Associate Degree, 2017 - 2018, 2016 - 2017

FİZİK 2, Associate Degree, 2017 - 2018, 2016 - 2017

KARANLIK ODA TEKNİKLERİ, Associate Degree, 2017 - 2018, 2016 - 2017

Röntgen Fiziği, Associate Degree, 2017 - 2018

FİZİK, Associate Degree, 2017 - 2018, 2016 - 2017

mesleki ingilizce 1, Associate Degree, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Beta decay logft values for zinc isotopes by using pn-QRPA**
ÇAKMAK Ş., Çakmak N.
Nuclear Physics A, vol.1015, 2021 (SCI-Expanded)
- II. **Several QRPA method calculations of the Gamow-Teller strength distributions in Ge62-72**
ÇAKMAK Ş.
INDIAN JOURNAL OF PHYSICS, vol.95, no.10, pp.2155-2167, 2021 (SCI-Expanded)
- III. **ESTIMATION OF RADIOLOGICAL EXPOSURE LEVELS IN A MINING AREA BASED ON U-238, Ra-226, Th-232 and K-40 ACTIVITY MEASUREMENTS: A CASE STUDY FOR BEYLIKOVA-SIVRIHISAR COMPLEX ORE SITE IN TURKEY**
YÜCEL H., Ovuc S., AKKAYA G., Cakmak Ş.
RADIATION PROTECTION DOSIMETRY, vol.190, no.3, pp.297-306, 2020 (SCI-Expanded)
- IV. **Investigation of Gamow Teller transition properties in Ni56-64 isotopes using QRPA methods**
ÇAKMAK Ş., Nabi J., BABACAN T.
NUCLEAR PHYSICS A, vol.970, pp.86-106, 2018 (SCI-Expanded)
- V. **Dipole and spin-dipole strength distributions in Te-124, Te-126, Te-128, Te-130 isotopes**
ÇAKMAK N., ÇAKMAK Ş., SELAM C., ÜNLÜ S.
PRAMANA-JOURNAL OF PHYSICS, vol.90, no.2, 2018 (SCI-Expanded)
- VI. **Spin-isospin transitions in chromium isotopes within the quasiparticle random phase approximation**
Cakmak Ş., Nabi J., Babacan T., Maras I.
ADVANCES IN SPACE RESEARCH, vol.55, no.1, pp.440-453, 2015 (SCI-Expanded)
- VII. **Study of Gamow-Teller transitions in isotopes of titanium within the quasi particle random phase approximation**
Cakmak Ş., Nabi J., Babacan T., Selam C.
ASTROPHYSICS AND SPACE SCIENCE, vol.352, no.2, pp.645-663, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **AN APPLICATION OF CLIFFORD ALGEBRA ON THE SEMI-SYMMETRICAL ARCHIMEDEAN SOLID TRUNCATED ICOSAHEDRON**
ÇAKMAK Ş.
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi :B-Teorik Bilimler, vol.9, pp.29-34, 2021 (Peer-Reviewed Journal)
- II. **THE log(ft) VALUES IN SPHERICAL AND DEFORMED NUCLEI FOR SOME ODD-A GERMANIUM ISOTOPES**
ÇAKMAK Ş.
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi :B-Teorik Bilimler, vol.9, pp.20-28, 2021 (Peer-Reviewed Journal)
- III. **Effect of deformation, particle-hole and particle-particle interaction on Gamow-Teller Transitions of ^{76}Ge**
ÇAKMAK Ş.
Cumhuriyet Science Journal, vol.41, no.1, pp.212-227, 2020 (Peer-Reviewed Journal)
- IV. **Triaxiality and Cubic Terms From Casimir Invariants**
ÇAKMAK Ş., Ramesh K.
KMU Journal of Engineering and Natural Sciences, vol.1, no.2, pp.40-47, 2020 (Peer-Reviewed Journal)
- V. **THE STUDY OF CLASSICS PARTICLES'xx ENERGY AT ARCHIMEDEAN SOLIDS WITH CLIFFORD ALGEBRA**
ÇAKMAK Ş., KILIÇ A.
Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering, vol.20, pp.170-180, 2019 (Peer-Reviewed Journal)

Books & Book Chapters

I. SOĞURUM, GEÇİRİM VE YANSIMA

ÇAKMAK Ş.

in: FİZİK-GEOMETRİK OPTİK I, Hülya Kuru Mutlu, Editor, akademisyen yayınevi, pp.31-51, 2019

II. MERCEKLER

ÇAKMAK Ş.

in: FİZİK-GEOMETRİK OPTİK I, Hülya Kuru Mutlu, Editor, Akademisyen yayınevi, pp.147-179, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **The Study of Classics Particles'xx Energy at Archimedean Solids with Clifford Algebra**
ÇAKMAK Ş., KILIÇ A.
ICONAT 2019 International Conference on Natural Sciences and Technologies, 18 - 20 September 2019
- II. **Beylikova Kompleks Cevher Sahasından Elde Edilen Numunelerde Radyoaktivite İçeriğinin Belirlenmesi ve NTE Madenciliğinde Olası Doz Seviyelerinin Tahmini**
YÜCEL H., ÖVÜÇ S., AKKAYA G., ÇAKMAK Ş.
1. Nadir Toprak Elementleri ve Toryum Çalıştayı, Eskişehir, Turkey, 11 - 12 June 2019
- III. **STUDY OF GAMOW-TELLER TRANSITIONS FOR GERMANIUMISOTOPES**
ÇAKMAK Ş.
SIXTH INTERNATIONAL CONFERENCE ON RADIATION AND APPLICATIONS IN VARIOUS FIELDS OF RESEARCH (RAD 2018), 18 - 22 June 2018, pp.439
- IV. **Charge-Exchange Dipole and Spin-Dipole Excitations In Odd Mass Nuclei**
SELAM C., ÇAKMAK N., ÜNLÜ S., ÇAKMAK Ş.
NSP2017, 20 - 22 September 2017, pp.25
- V. **Charge exchange spin-dipole excitations in spherical nuclei ($0 \leftrightarrow 0$ -transitions)**
SELAM C., ÇAKMAK Ş., ÇAKMAK N., ÜNLÜ S.
TESNAT 2017, 10 - 12 May 2017, pp.34
- VI. **Two-neutrino double beta decay rates fore some spherical nuclei**
ÜNLÜ S., ÇAKMAK N., ÇAKMAK Ş., SELAM C.
TESNAT-2017, Adana, Turkey, 10 - 12 May 2017, pp.35
- VII. **Two-neutrino double beta decay rates for some spherical nuclei**
ÜNLÜ S., ÇAKMAK N., ÇAKMAK Ş., SELAM C.
TESNAT 2017, 10 May 2017, pp.35
- VIII. **DJ=2 first forbidden beta-decay transitions in even-even heavy nuclei**
ÇAKMAK N., ÜNLÜ S., ÇAKMAK Ş., SELAM C.
TESNAT 2017, 10 - 12 May 2017, pp.41
- IX. **The study of dipole and spin dipole strength distributions in Sn isotopes**
ÇAKMAK Ş., ÜNLÜ S., ÇAKMAK N., SELAM C.
TESNAT 2017, 10 - 12 May 2017, pp.36
- X. **Charge exchange spin-dipol excitations in spherical nuclei ($0 \dots 0$ - transitions)**
SELAM C., ÇAKMAK Ş., ÇAKMAK N., ÜNLÜ S.
TESNAT 2017, Adana, Turkey, 10 - 12 May 2017, pp.34
- XI. **Delta J=2 first forbidden beta decay transitions in even-even heavy nuclei**
ÇAKMAK N., ÜNLÜ S., ÇAKMAK Ş., SELAM C.
TESNAT-2017, Adana, Turkey, 10 - 12 May 2017, pp.41
- XII. **The study of dipol and spin dipol strength distributions in Sn isotops**
ÇAKMAK Ş., ÜNLÜ S., ÇAKMAK N., SELAM C.
TESNAT-2017, Adana, Turkey, 10 - 12 May 2017, pp.36

Metrics

Publication: 26

Citation (WoS): 25

Citation (Scopus): 22

H-Index (WoS): 3

H-Index (Scopus): 3

Non Academic Experience

Avrupa Meslek Yüksekokulu

Avrupa Meslek yüksekokulu