

Prof. İSMAİL HAKKI SARPÜN



Personal Information

Email: sarpun@akdeniz.edu.tr

Web: <https://avesis.akdeniz.edu.tr/sarpun>

International Researcher IDs

ScholarID: 1659959808959

ORCID: 0000-0002-9788-699X

Publons / Web Of Science ResearcherID: M-3334-2013

ScopusID: 8839675400

Yoksis Researcher ID: 58827



Education Information

Doctorate, Eskişehir Osmangazi University, Fen Bilimleri, Fizik, Turkey 1998 - 2014

Postgraduate, Eskişehir Osmangazi University, Fen Bilimleri Ens, Fizik, Turkey 1994 - 1998

Undergraduate, Eskişehir Osmangazi University, Fen Edebiyat Fak., Fizik, Turkey 1989 - 1994

Foreign Languages

English, C1 Advanced

Research Areas

Physics, Nuclear physics, General Nuclear Reactions, Nuclear Structure, Special nuclear reactions, Natural Sciences

Academic Titles / Tasks

Professor, Akdeniz University, Faculty of Science, Department of Physics, 2019 - Continues

Associate Professor, Akdeniz University, Faculty of Science, Department of Physics, 2018 - 2019

Associate Professor, Afyon Kocatepe University, Fen Edebiyat Fak., Fizik, 2013 - 2018

Academic and Administrative Experience

Director of the Center, Akdeniz University, Faculty of Science, Department of Physics, 2018 - Continues

Advising Theses

Sarpün İ. H., (135,137,138,139)La (n,e) SAÇILMA DİFERANSİYEL TESİR KESİTLERİNİN NÜKLEON

YOĞUNLUKLARINDAN ELDE EDİLEN ETKİLEŞİM POTANSİYELLERİ KULLANILARAK HESAPLANMASI, Doctorate, F.AKDENİZ(Student), 2024

Sarpün İ. H., Radyasyon uygulamalarında güvenlik kültürü farkındalığının incelenmesi ile ilgili alan araştırması, Postgraduate, F.BULGURLU(Student), 2023

Sarpün İ. H., Hipertiroid tedavisinde kullanılan I-131 radyoizotopunun aktivitesine göre komşu organların aldığı dozun monte carlo yöntemi ile belirlenmesi, Postgraduate, V.AYDIN(Student), 2023

Sarpün İ. H., Abdomen CT çekimlerinde bazı kritik organların aldığı dozun monte carlo yöntemi ile belirlenmesi, Postgraduate, C.ÖZSOY(Student), 2023

Sarpün İ. H., Medikal lineer hızlandırıcı ışın yolunda fotonötron tesir kesitlerinin incelenmesi, Doctorate, U.OFLAZ(Student), 2022

Sarpün İ. H., Eroğlu E., MOLEKÜLER MODELLEME YÖNTEMLERİ KULLANILARAK BAZI ENZİM VE PROTEİNLERİN ALOSTERİK ETKİ İLE İNHİBİSYON VE AKTİVASYONLARININ ARAŞTIRILMASI, Doctorate, M.MURAT(Student), 2022

SARPÜN İ. H., Yüksek Enerjili Elektron Işımlarında Dış İmplantlarının Doz Dağılımına Etkisinin Monte Carlo Yöntemi ile İncelenmesi, Postgraduate, M.ÖZKAN(Student), 2019

SARPÜN İ. H., CT Çekimlerinde Doku Kalınlığı ve Cihaz Parametrelerinin Doza Etkisinin İncelenmesi, Postgraduate, B.ÇEÇEN(Student), 2019

SARPÜN İ. H., ⁵⁷Co Radyoizotop Üretim Reaksiyonlarının Uyarılma Fonksiyonları, Postgraduate, A.GÜROL(Student), 2019

SARPÜN İ. H., BAZI ELEMENTLERİN (³ He, p) REAKSİYONU İLE UYARILMA FONKSİYONLARININ HESAPLANMASI, Postgraduate, H.Bilgin(Student), 2018

SARPÜN İ. H., Fisyon Reaksiyonlarında Tesir Kesitlerinin Hesaplanması, Postgraduate, H.KOCA(Student), 2012

SARPÜN İ. H., Malzemelerin Termal ve Elastik Özellikleri Arasındaki İlişki, Postgraduate, H.BODUR(Student), 2012

SARPÜN İ. H., Bazı Kompozitlerde Elastik ve Termal İletim Özellikleri Arasındaki İlişkinin Deneysel Olarak Belirlenmesi, Doctorate, V.ÖZKAN(Student), 2012

SARPÜN İ. H., Alkali ve Toprak Alkali Bazı Elementlerin Fotonötron Reaksiyonları (g,n), ((g,n)+(g,n+p)) ve (g, abs) Tesir Kesitlerinin Teorik Hesaplanması, Postgraduate, Ş.KİREMİTÇİOĞLU(Student), 2011

SARPÜN İ. H., Volkanik Kayaçların Elastik Özelliklerinin Ultrases Yöntemiyle Belirlenmesi, Postgraduate, S.Burak(Student), 2010

SARPÜN İ. H., Metal Yüzeylerde Atom-Atom Çarpışmaları Simülasyonu, Postgraduate, M.ÇETİN(Student), 2009

SARPÜN İ. H., Bazı Mermerlerin Ortalama Tanecik Boyutlarının Ultrasonik Metotlarla Belirlenmesi, Postgraduate, H.TOPRAK(Student), 2009

SARPÜN İ. H., ¹⁶⁵Ho İzotopunun 1-100 MeV Enerjili Parçacıklarla Reaksiyon Tesir Kesitlerinin Teorik Hesaplanması, Postgraduate, E.ÖZDEMİR(Student), 2009

SARPÜN İ. H., Tungsten Karbür Esaslı Seramik Metal Kompozitlerin Ultrases Dalda Hız Metodu ile Ortalama Tanecik Boyutlarının Tayini, Postgraduate, Ö.SEVİM(Student), 2008

SARPÜN İ. H., Bazı Karbürü Metal-Matriks Seramiklerin Tanecik Boyutlarının Sinterleme Sıcaklığıyla Değişiminin Ultrases ile İncelenmesi, Postgraduate, V.ÖZKAN(Student), 2008

SARPÜN İ. H., Tungsten Karbürü Metal Matriks Kompozit Seramiklerinin Elastik Sabitelerinin Belirlenmesi, Postgraduate, S.ELMAS(Student), 2008

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Simple parametrization of (n,d) cross sections using Flerov and Talyzin's formula**
Tel E., Bülbül A., Yiğit M., SARPÜN İ. H., Kavun Y.
Applied Radiation and Isotopes, vol.192, 2023 (SCI-Expanded)
- II. **Obtaining a new empirical (n,2n) cross section formula using Flerov and Talyzin non-elastic cross sections at 14–15 MeV**
Tel E., Bülbül A., SARPÜN İ. H., Doğan A.
Applied Radiation and Isotopes, vol.191, 2023 (SCI-Expanded)
- III. **Investigation of level density and Gama strength function for photoneutron reaction in medical**

linacs in Beamline

Oflaz U., SARPÜN İ. H., Özdoğan H.

Applied Radiation and Isotopes, vol.186, 2022 (SCI-Expanded)

- IV. **Determinations of fission cross-sections and fission yields from proton induced fission reactions of ^{232}Th , ^{233}U , ^{235}U , ^{236}U , ^{238}U , ^{237}Np and ^{239}Pu**
SARPÜN İ. H., Yalim H. A., Aydin A., Tel E., Akdeniz F., Şahin S.
Modern Physics Letters A, vol.36, no.36, 2021 (SCI-Expanded)
- V. **Hybrid Tomo-Helical and Tomo-Direct radiotherapy for localized prostate cancer**
Karaca S., Koca T., Sarpün İ. H., Tunçel N., Korcum Şahin A. F.
JOURNAL OF APPLIED CLINICAL MEDICAL PHYSICS, vol.22, no.10, pp.136-143, 2021 (SCI-Expanded)
- VI. **Production cross-section calculations of In-111 via proton and alpha-induced nuclear reactions**
Ozdogan H., Sarpün İ. H., Şekerci M., Kaplan A.
MODERN PHYSICS LETTERS A, vol.36, no.8, 2021 (SCI-Expanded)
- VII. **Dosimetric evaluation of phantoms including metal objects with high atomic number for use in intensity modulated radiation therapy**
İnal A., SARPÜN İ. H.
RADIATION AND ENVIRONMENTAL BIOPHYSICS, vol.59, no.3, pp.503-510, 2020 (SCI-Expanded)
- VIII. **A new study on (n, p) cross sections in nuclear interactions of neutrons with dysprosium**
Yigit M., Tel E., SARPÜN İ. H.
INDIAN JOURNAL OF PHYSICS, vol.93, no.12, pp.1611-1618, 2019 (SCI-Expanded)
- IX. **Theoretical photoneutron cross-section calculations on Osmium isotopes by Talys and Empire codes**
SARPÜN İ. H., Ozdogan H., TAŞDÖVEN K., Yalim H. A., KAPLAN A.
MODERN PHYSICS LETTERS A, vol.34, no.26, 2019 (SCI-Expanded)
- X. **HE-LHC: The High-Energy Large Hadron Collider Future Circular Collider Conceptual Design Report Volume 4**
Abada A., Abbrescia M., AbdusSalam S. S., Abdyukhanov I., Abelleira Fernandez J., Abramov A., Aburaia M., Acar A. O., Adzic P. R., Agrawal P., et al.
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, vol.228, no.5, pp.1109-1382, 2019 (SCI-Expanded)
- XI. **FCC-hh: The Hadron Collider: Future Circular Collider Conceptual Design Report Volume 3**
Abada A., Abbrescia M., AbdusSalam S. S., Abdyukhanov I., Abelleira Fernandez J., Abramov A., Aburaia M., Acar A. O., Adzic P. R., Agrawal P., et al.
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, vol.228, no.4, pp.755-1107, 2019 (SCI-Expanded)
- XII. **FCC Physics Opportunities: Future Circular Collider Conceptual Design Report Volume 1**
Abada A., Abbrescia M., AbdusSalam S. S., Abdyukhanov I., Fernandez J. A., Abramov A., Aburaia M., Acar A. O., Adzic P. R., Agrawal P., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.79, no.6, 2019 (SCI-Expanded)
- XIII. **FCC-ee: The Lepton Collider: Future Circular Collider Conceptual Design Report Volume 2**
Abada A., Abbrescia M., AbdusSalam S. S., Abdyukhanov I., Fernandez J. A., Abramov A., Aburaia M., Acar A. O., Adzic P. R., Agrawal P., et al.
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, vol.228, no.2, pp.261-623, 2019 (SCI-Expanded)
- XIV. **Investigation of level density parameter effects on (p,n) and (p,2n) reaction cross-sections for the fusion structural materials Ti-48, Cu-63 and Zr-90**
OZDOGAN H., ŞEKERCİ M., SARPÜN İ. H., KAPLAN A.
APPLIED RADIATION AND ISOTOPES, vol.140, pp.29-34, 2018 (SCI-Expanded)
- XV. **The Effect of the Deformation Parameter on the Cross Sections for Reactions: $\text{Pd-110}(d,n)\text{Ag-111}$ and $\text{Pd-110}(d, 2n)(^{110m})\text{Ag}$**
Boyukata M., Sarpun I. H., Aydin A.
PHYSICS OF ATOMIC NUCLEI, vol.81, no.1, pp.38-42, 2018 (SCI-Expanded)
- XVI. **Calculations of Cross-Sections and Astrophysical S-factors for the (alpha,n) Reactions of Some Structural Fusion Materials**
Yildiz E., Aydin A., Sarpun I. H., Tel E.

- JOURNAL OF FUSION ENERGY, vol.36, no.4-5, pp.149-151, 2017 (SCI-Expanded)
- XVII. **Excitation Functions Calculations of the Charged Particle-Induced Nuclear Reactions on the Be-9 Target**
Tel E., Gok A. A., Sahan M., Sarpun I. H., Kavun Y., Aydin A.
JOURNAL OF FUSION ENERGY, vol.36, no.4-5, pp.173-177, 2017 (SCI-Expanded)
- XVIII. **Double Differential Proton and Alpha Emission Cross Sections for Structural Fusion Materials Mo-94, Mo-95, Mo-96**
Sarpun I. H., Aydin A., KONING A.
JOURNAL OF FUSION ENERGY, vol.35, no.5, pp.725-729, 2016 (SCI-Expanded)
- XIX. **Excitation function calculations for alpha+Nb-93 nuclear reactions**
Yigit M., Tel E., Sarpun I. H.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.385, pp.59-64, 2016 (SCI-Expanded)
- XX. **The Comparison of (n,p), (n,alpha), (n,2n) and (alpha,n) Reaction Cross-Sections for Li-7 and Be-9 Target Nuclei**
Tel E., AKÇA ÖZALP S., Sahan M., Depedelen M., Sarpun I. H.
JOURNAL OF FUSION ENERGY, vol.35, no.4, pp.709-714, 2016 (SCI-Expanded)
- XXI. **Double Differential Charged Particle Emission Cross Sections and Stopping Power Calculations for Structural Fusion Materials Ni-58, Ni-60**
Sarpun I. H., Aydin A., KAPLAN A., DEMİR B., Tel E., ÇAPALI V.
JOURNAL OF FUSION ENERGY, vol.34, no.6, pp.1306-1313, 2015 (SCI-Expanded)
- XXII. **Comparison of Level Density Models for the Ni-60, Ni-61, Ni-62, Ni-64 (p, n) Reactions of Structural Fusion Material Nickel from Threshold to 30 MeV**
Aydin A., Pekdogan H., KAPLAN A., Sarpun I. H., Tel E., DEMİR B.
JOURNAL OF FUSION ENERGY, vol.34, no.5, pp.1105-1108, 2015 (SCI-Expanded)
- XXIII. **Double Differential Cross Section and Stopping Power Calculations of Light Charged Particle Emission for the Structural Fusion Materials Cr-50, Cr-52**
DEMİR B., Sarpun I. H., KAPLAN A., ÇAPALI V., Aydin A., Tel E.
JOURNAL OF FUSION ENERGY, vol.34, no.4, pp.808-816, 2015 (SCI-Expanded)
- XXIV. **Calculations of (gamma,n) Reaction Cross Sections using Different Level Density Models for Some Lanthanide Nuclei**
Akcaalan U., Unal R., Sarpun I. H., Yalim H. A., Oruncak B.
ACTA PHYSICA POLONICA A, vol.128, no.2B, 2015 (SCI-Expanded)
- XXV. **Neutron Production Cross-Section and Geant4 Calculations of the Structural Fusion Material Co-59 for (alpha,xn) and (gamma,xn) Reactions**
DEMİR B., KAPLAN A., ÇAPALI V., Ozdogan H., Sarpun I. H., Aydin A., Tel E.
JOURNAL OF FUSION ENERGY, vol.34, no.3, pp.636-641, 2015 (SCI-Expanded)
- XXVI. **Production cross-section calculations of medical P-32, Sn-117, Sm-153 and Re-186, Re-188 radionuclides used in bone pain palliation treatment**
DEMİR B., KAPLAN A., ÇAPALI V., Sarpun I. H., Aydin A., Tel E.
KERNTECHNIK, vol.80, no.1, pp.58-65, 2015 (SCI-Expanded)
- XXVII. **"Double differential alpha, proton and deuteron emission cross section for the structural fusion materials 46,48Ti",**
SARPUN İ. H.
JOURNAL OF FUSION ENERGY, vol.34, no.3, pp.592-597, 2015 (SCI-Expanded)
- XXVIII. **(gamma, 2n)-Reaction Cross-Section Calculations of Several Even-Even Lanthanide Nuclei Using Different Level Density Models**
KAPLAN A., Sarpun I. H., Aydin A., Tel E., ÇAPALI V., Ozdogan H.
PHYSICS OF ATOMIC NUCLEI, vol.78, no.1, pp.53-64, 2015 (SCI-Expanded)
- XXIX. **(He-3,xn) Reaction Cross-Section Calculations for the Structural Fusion Material Ta-181 in the Energy Range of 14-75 MeV**

- KAPLAN A., ÇAPALI V., Ozdogan H., Aydin A., Tel E., Sarpun I. H.
 JOURNAL OF FUSION ENERGY, vol.33, no.5, pp.510-515, 2014 (SCI-Expanded)
- XXX. **Comparison of fission barrier and level density models for (α, f) reaction of some heavy nuclei**
 Sarpun I. H., Aydin A., KAPLAN A., Koca H., Tel E.
 ANNALS OF NUCLEAR ENERGY, vol.70, pp.175-179, 2014 (SCI-Expanded)
- XXXI. **Comparison of level density models in (γ, n) reactions of some lanthanide nuclei**
 Unal R., Sarpun I. H., Yalim H. A.
 PHYSICS OF ATOMIC NUCLEI, vol.77, no.3, pp.310-315, 2014 (SCI-Expanded)
- XXXII. **"Calculations of double differential triton emission cross sections at 62-MeV proton-induced reactions"**
 AYDIN A., SARPÜN İ. H., KAPLAN A.
 PHYSICS OF ATOMIC NUCLEI, vol.77, pp.321-324, 2014 (SCI-Expanded)
- XXXIII. **Calculations of Double Differential Deuteron Emission Cross Sections at 62 MeV Proton Induced Reactions**
 Aydin A., Sarpun I. H., KAPLAN A., Tel E.
 JOURNAL OF FUSION ENERGY, vol.32, no.3, pp.378-381, 2013 (SCI-Expanded)
- XXXIV. **"Influence of mean grain size with ultrasonic velocity on microhardness of B₄C-Fe-Ni composite"**
 OZKAN V., SARPÜN İ. H., EROL A., YONETKEN A.
 JOURNAL OF ALLOYS AND COMPOUNDS, vol.574, pp.512-519, 2013 (SCI-Expanded)
- XXXV. **Mean grain size and pore effects on ultrasonic properties of WC-Fe-Ni and SiC-Fe-Ni composites"**
 SARPÜN İ. H., OZKAN V., YONETKEN A., EROL A.
 ACTA PHYSICA POLONICA A, vol.123, pp.688-694, 2012 (SCI-Expanded)
- XXXVI. **Examining with the Sintered Temperature of Mean Grain Size of B₄C-Al-Ni Composites by Ultrasonic Techniques**
 Ozkan V., Sarpun I. H.
 ACTA PHYSICA POLONICA A, vol.121, no.1, pp.184-186, 2012 (SCI-Expanded)
- XXXVII. **Determination of ($n, 2n$) Reaction Cross Sections for Some Nuclei with Asymmetry Parameter**
 Sarpun I. H., Yalim H. A., Unal R., Oruncak B., Aydin A., KAPLAN A., Tel E.
 JOURNAL OF FUSION ENERGY, vol.29, no.4, pp.387-394, 2010 (SCI-Expanded)
- XXXVIII. **Investigation of Nucleon Mean Free Path Dependence in Tritium Emission Spectra Produced by Proton Induced Reactions at 62 MeV**
 Yalim H. A., Aydin A., Sarpun I. H., Unal R., Oruncak B., KAPLAN A., Tel E.
 JOURNAL OF FUSION ENERGY, vol.29, no.1, pp.55-61, 2010 (SCI-Expanded)
- XXXIX. **Level density parameter dependence of the fission cross sections of some subactinide nuclei induced by protons with the incident energy up to 250 MeV**
 Aydin A., Yalim H. A., Tel E., Sarer B., Unal R., Sarpun I. H., KAPLAN A., Dag M.
 ANNALS OF NUCLEAR ENERGY, vol.36, no.9, pp.1307-1312, 2009 (SCI-Expanded)
- XL. **The mean grain size determination of boron carbide (B₄C)-aluminium (Al) and boron carbide (B₄C)-nickel (Ni) composites by ultrasonic velocity technique**
 UNAL R., Sarpun I., YALIM H., EROL A., OZDEMIR T., TUNCEL S.
 MATERIALS CHARACTERIZATION, vol.56, no.3, pp.241-244, 2006 (SCI-Expanded)
- XLI. **Mean grain size determination in marbles by ultrasonic first backwall echo height measurements**
 Sarpun I., KILICKAYA M.
 NDT & E INTERNATIONAL, vol.39, no.1, pp.82-86, 2006 (SCI-Expanded)
- XLII. **Mean grain size determination in marbles by ultrasonic velocity techniques**
 Sarpun I., KILICKAYA M., TUNCEL S.
 NDT & E INTERNATIONAL, vol.38, no.1, pp.21-25, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **An in silico investigation of allosteric inhibition potential of Dihydroergotamine against Sars- CoV-2 Main Protease (MPro)**
Yaşar M. M., Yaşar E., Yorulmaz N., Tenekeci M. E., Sarpün İ. H., Eroğlu E.
Turkish Computational and Theoretical Chemistry, vol.7, no.1, pp.14-36, 2023 (Peer-Reviewed Journal)
- II. **CT Taramalarında Hastanın Boyuna Göre Absorbe Edilen Dozun Değişimi**
SARPÜN İ. H., KOCA T., ATAK E., ŞENGÜN Y., AKSOY R. A., KIZILKAYA M., KORCUM ŞAHİN A. F.
Afyon Kocatepe Üniversitesi Uluslararası Mühendislik Teknolojileri ve Uygulamalı Bilimler Dergisi, vol.5, 2022 (Peer-Reviewed Journal)
- III. **Elekta Synergy Platform Linear Hızlandırıcı Cihazında On yıllık periyod için Foton Yüzde Derin Doz ve Işın Profil Parametrelerinin Değerlendirilmesi**
İNAL A., SARPÜN İ. H.
Akdeniz Tıp Dergisi, 2022 (Peer-Reviewed Journal)
- IV. **$^{112}\text{Sn}(\alpha, g)$ ^{116}Te Reaksiyonu için Astrofiziksel S-Faktörlerinin ve Reaksiyon Hızlarının Hesaplanması**
YILDIZ E., AYDIN A., SARPÜN İ. H.
Afyon Kocatepe Üniversitesi Uluslararası Mühendislik Teknolojileri ve Uygulamalı Bilimler Dergisi, vol.4, no.2, pp.74-77, 2021 (Peer-Reviewed Journal)
- V. **Change in Body Dose of I-131 Radioisotope in Boys by Age**
Koca T., Sarpün İ. H., Yıldırım Ü., Türk Çakır İ., Şahin S.
Afyon Kocatepe Üniversitesi Uluslararası Mühendislik Teknolojileri ve Uygulamalı Bilimler Dergisi, vol.4, no.2, pp.78-82, 2021 (Peer-Reviewed Journal)
- VI. **Effect of I-131 Radioisotope Activities on Organ Dose Used in Nuclear Medicine**
KOCA T., SARPÜN İ. H., ÖZSOY C., AYDIN V., ŞAHİN S.
Afyon Kocatepe Üniversitesi Uluslararası Mühendislik Teknolojileri ve Uygulamalı Bilimler Dergisi, vol.4, no.2, pp.87-92, 2021 (Peer-Reviewed Journal)
- VII. **Determination of Antibacterial Properties of Some Sulfonamide Compounds by Molecular Docking**
ÖZTÜRK H., YORULMAZ N., DURGUN M., TURHAN Z. Ş., SARPÜN İ. H.
SÜLEYMAN DEMİREL ÜNİVERSİTESİ FEN EDEBİYAT FAKÜLTESİ FEN DERGİSİ = SÜLEYMAN DEMİREL UNIVERSITY FACULTY OF ARTS AND SCIENCE JOURNAL OF SCIENCE, vol.16, no.2, pp.458-467, 2021 (Peer-Reviewed Journal)
- VIII. **Nucleon Densities of Copper Isotopes Calculated by Skyrme and Gogny Models**
SARPÜN İ. H., AKDENİZ F., TEL E., AYDIN A.
SÜLEYMAN DEMİREL ÜNİVERSİTESİ FEN EDEBİYAT FAKÜLTESİ FEN DERGİSİ = SÜLEYMAN DEMİREL UNIVERSITY FACULTY OF ARTS AND SCIENCE JOURNAL OF SCIENCE, vol.16, no.1, 2021 (Peer-Reviewed Journal)
- IX. **Variation of the Absorbed Dose by the Weight of the Patient in CT Scanning**
SARPÜN İ. H., ÖZSOY C., AYDIN V., KOCA T.
Afyon Kocatepe Üniversitesi Uluslararası Mühendislik Teknolojileri ve Uygulamalı Bilimler Dergisi, vol.4, 2021 (Peer-Reviewed Journal)
- X. **^{131}Cs Radyoizotopunun Üretildiği Bazı Nükleer Reaksiyonların Uyarılma Fonksiyonları**
ZENGİN S., ÖZKAN BİLİCİ V., SARPÜN İ. H.
Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, vol.15, no.2, pp.287-294, 2020 (Peer-Reviewed Journal)
- XI. **^{57}Co RADYOİZOTOPU ÜRETİMİ İÇİN BAZI ALFA GİRİŞLİ REAKSİYONLARIN UYARILMA FONKSİYONLARININ İNCELENMESİ**
Gürol A., SARPÜN İ. H., YALIM H. A.
Eskişehir Teknik Üniversitesi Bilim ve Teknoloji Dergisi B - Teorik Bilimler, vol.8, no.1, pp.88-98, 2020 (Peer-Reviewed Journal)
- XII. **CALCULATION OF CROSS SECTIONS AND ASTROPHYSICAL S-FACTORS AT 0-5 MeV ENERGY RANGE FOR $^8\text{Li}(\alpha, n)^{11}\text{B}$ REACTION**
YILDIZ E., SARPÜN İ. H.
Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering, vol.21,

no.1, pp.205-209, 2020 (Peer-Reviewed Journal)

- XIII. **A Different Approach to Intensity Modulated Radiation Therapy Patient QA Measurements about Dosimetric Equipment**
Inal A., SARPÜN İ. H., ÜNAL R.
TURK ONKOLOJİ DERGİSİ-TURKISH JOURNAL OF ONCOLOGY, vol.35, no.3, pp.298-305, 2020 (ESCI)
- XIV. **5. Uluslararası nükleer teknoloji ve uygulamalarda teorik ve deneysel çalışmalar kongresi (02-04 Mayıs 2019)**
TEL E., AYDIN A., SARPÜN İ. H.
Osmaniye Korkut Ata Üniversitesi Fen Edebiyat Fakültesi Dergisi, vol.1, no.1, pp.103-104, 2019 (Peer-Reviewed Journal)
- XV. **Voltaj ve akım değerlerinin hasta dozu üzerindeki etkilerinin CTDI fantomu ile araştırılması**
Sarpün İ. H., İnal A., Çeçen B.
Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, vol.14, no.2, pp.327-334, 2019 (Peer-Reviewed Journal)
- XVI. **“Evaluation of the elastic and thermal properties of WC/Fe-Ti ceramic-metal composites fabricated by powder metallurgy”**
BİLİCİ O., SARPÜN İ. H., KILICKAYA M.
INTERNATIONAL JOURNAL OF SCIENTIFIC & ENGINEERING RESEARCH VOLUME 9,ISSUES, vol.8, pp.10-14, 2018 (Scopus)
- XVII. **Monte Carlo calculated stopping power and range of alpha particles in water**
BOZKURT A., SARPÜN İ. H.
International Journal of Scientific and Engineering Research, vol.9, no.8, pp.15-17, 2018 (Peer-Reviewed Journal)
- XVIII. **“Theoretical calculations of double differential neutron emission cross sections of 209Bi at 14.2 MeV incident neutron energy”**
SAHAN M., TEL E., SARPÜN İ. H., SAHAN H.
AIP CONF. PROC., vol.1935, pp.100001, 2018 (Scopus)
- XIX. **“Stopping power of protons for energies and materials of therapeutic importance using monte carlo simulations”**
BOZKURT A., SARPÜN İ. H.
AIP CONF. PROC., vol.1994, pp.40004, 2018 (Scopus)
- XX. **“Double differential proton emission cross sections for structural fusion materials 24Mg”**
DEMIRELLİ G., SARPÜN İ. H., ORUNCAK B., TEL E., AYDIN A.
AIF CONF. PROC., vol.1994, pp.20005, 2018 (Scopus)
- XXI. **“Phenomenological level density models in photoneutron reactions on 232Th, 237Np, 239Pu and 241Am targets”**
AYDIN A., SARPÜN İ. H., TEL E.
INT. J. OF INNOVATIVE RESEARCH IN SCI, ENG AND TECH., vol.6, no.10, pp.45, 2017 (Scopus)
- XXII. **Investigation of Excitation Functions of Copper Radioisotopes Used in Nuclear**
Yalım H. A., Barçın N., Sarpün İ. H.
Süleyman Demirel Üniversitesi Fen-Edebiyat Fakültesi Fen Dergisi, vol.12, no.2, pp.12-18, 2017 (Peer-Reviewed Journal)
- XXIII. **“Determination of the effects of nuclear level density parameters on photofission cross sections of 235U up to 20MeV”**
SARPÜN İ. H., AYDIN A., PEKDOĞAN H.
EPJ WEB OF CONFERENCES, vol.146, pp.5015, 2017 (Peer-Reviewed Journal)
- XXIV. **“Proton bombarded reactions of Calcium target nuclei”**
TEL E., SAHAN M., SARPÜN İ. H., KAVUN Y., GOK A. A., DEPEDELEN M.
EPJ WEB. OF CONFERENCES, vol.154, pp.1020, 2017 (Peer-Reviewed Journal)
- XXV. **“Reaction cross section calculation of some alkaline earth elements”**
TEL E., KAVUN Y., SARPÜN İ. H.
EPJ WEB OF CONFERENCES, vol.154, pp.1020, 2017 (Peer-Reviewed Journal)

- XXVI. , **“Double differential light charged particle emission cross sections for some structural fusion materials”**
SARPÜN İ. H., AYDIN A., TEL E.
EPJ WEB OF CONFERENCES, vol.146, pp.9026, 2017 (Peer-Reviewed Journal)
- XXVII. **“Particle induced nuclear reaction calculations of Boron target nuclei”**
TEL E., SAHAN M., SARPÜN İ. H., KAVUN Y., GOK A. A., POYRAZ M.
EPJ WEB OF CONFERENCES, vol.154, pp.1001, 2017 (Peer-Reviewed Journal)
- XXVIII. **“Analysis of dose-thickness interaction with x-rays energy of 6 and 18 MeV for beech wooden materials”**
TEL E., SARPÜN İ. H., SAHAN M., BULBUL A., OZGEN M.
J. of Physical Science and Application, vol.7, no.2, pp.42-45, 2017 (Scopus)
- XXIX. **“Theoretical investigation of cross-sections and astrophysical s-factors for the $^{92}\text{Mo}(\gamma,n)^{95}\text{Ru}$ and $^{94}\text{Mo}(\gamma,n)^{97}\text{Ru}$ reactions”**
AYDIN A., SARPÜN İ. H., YILDIZ E.
EPJ WEB OF CONFEERNCES, vol.128, pp.1004, 2016 (Scopus)
- XXX. **“Calculation of (p,γ) and (p,n) nuclear reaction cross sections in stars up to 10 MeV”**
TEL E., SAHAN M., SARPÜN İ. H., OKUR S. G.
EPJ WEB OF CONFERENCES, vol.128, pp.4001, 2016 (Peer-Reviewed Journal)
- XXXI. **“Calculation of cross-sections and astrophysical s-factors for the $^{63}\text{Cu}(\gamma,n)$ and $^{63}\text{Cu}(\gamma,\gamma)$ reactions”**
YILDIZ E., AYDIN A., SARPÜN İ. H., TEL E.
EPJ WEB OF CONFERENCES, vol.100, pp.1010, 2015 (Peer-Reviewed Journal)
- XXXII. **“A study on nuclear properties of Zr, Nb, and Ta nuclei used as structural material in fusion reactors”**
SAHAN H., DONER M., TEL E., SAHAN M., AYDIN A., YIGIT M., SARPÜN İ. H.
EPJ WEB OF CONFERENCES, vol.100, pp.1007, 2015 (Peer-Reviewed Journal)
- XXXIII. **“Comparison of dose distributions calculated by the cyberknife monte carlo and ray tracing algorithms for lung tumors: a phantom study”**
KOKSAL C., AKBAS U., OKUTAN M., DEMIR B., SARPÜN İ. H.
EPJ WEB OF CONFERENCES, vol.100, pp.3003, 2015 (Peer-Reviewed Journal)
- XXXIV. **“Investigation of the effects of nuclear level density parameters on the cross sections of the $^{234}\text{U}(\gamma,f)$ reaction”**
PEKDOGAN H., AYDIN A., SARPÜN İ. H.
EPJ WEB OF CONFERENCES, vol.100, pp.1006, 2015 (Peer-Reviewed Journal)
- XXXV. **“Production cross-section calculations of medical ^{125}I radionuclide using γ , d and α induced reactions”**
DEMIR B., CAPALI V., SARPÜN İ. H., KAPLAN A.
SDU J. of Science, vol.10, no.2, pp.116-121, 2015 (Scopus)
- XXXVI. **“Calculation of double - differential cross sections for proton impact alpha emission at 62 MeV”**
SARPÜN İ. H., UNAL R., YALIM H. A., AYDIN A., KAPLAN A.
J. of Nuclear Sciences, vol.1, no.1, pp.1-5, 2014 (Scopus)
- XXXVII. **“The relations between poisson’s ratio with shear modulus, bulk modulus, longitudinal modulus and young’s modulus for composite material”**
OZKAN V., SARPÜN İ. H., ERDOGAN M.
Balkan Physics Letters, vol.22, pp.36-42, 2014 (Scopus)
- XXXVIII. **“Determination of mean grain size of various marbles from turkey by ultrasonic, attenuation and polarize microscopy methods”**
SARPÜN İ. H., OZKAN V., TUNCEL S.
Journal of Physical Science and Application, vol.2, no.2, pp.12-20, 2012 (Scopus)
- XXXIX. **“Mean grain size evaluation of tungsten- and boron-carbide composites sintered at various temperatures by ultrasonic methods”**

SARPÜN İ. H., OZKAN V., TUNCEL S., UNAL R.

Int. J. Microstructure and Materials Properties, vol.4, no.1, pp.104-111, 2009 (Scopus)

XL. "Elastic properties of composites"

SARPÜN İ. H., ELMAS S., UNAL R., YALIM H. A., ORUNCAK B., EROL A.

Balkan Physics Letters, Special Issue, no.SPECIAL, pp.241-246, 2008 (Scopus)

XLI. "Effects of rough surfaces to ultrasonic measurements"

SARPÜN İ. H., OZKAN V., UNAL R., YALIM H. A., ORUNCAK B.

Balkan Physics Letters, Special Issue, no.SPECIAL, pp.235-240, 2008 (Scopus)

XLII. Ultrasonic Materyal Karakterizasyonu

SARPÜN İ. H., DOĞAN M.

SÜLEYMAN DEMİREL ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.8, no.3, pp.1-5, 2004 (Peer-Reviewed Journal)

Books & Book Chapters

I. nükleer fizik ilkeler ve uygulamalar

AYDIN A., SARPÜN İ. H., TEL E., KAPLAN A.

Nobel, Antalya, 2018

II. 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

III. Radyasyonun Madde İle Etkileşmesi

ALĞIN E., REYHANCAN İ. A., AYDIN A., KAPLAN A., BOZKURT A., ÇAKIR M. A., KARA B., KAYIŞ TOPAKSU A., DEMİR B., TEL E., et al.

in: NÜKLEER FİZİK-İlkeler ve Uygulamalar, Abdullah Aydın, İsmail Hakkı Sarpün, Eyyüp Tel, Abdullah Kaplan, Editor, Nobel Akademik Yayıncılık, Ankara, pp.129-149, 2018

IV. nükleer süreçler

SARPÜN İ. H.

in: nükleer fizik ilkeler ve uygulamalar, Abdullah AYDIN, Tuncay BAYRAM, Serkan AKKOYUN, A. Hakan YILMAZ, A. Alper BİLLUR, Editor, Nobel, Antalya, pp.93-124, 2018

V. Fizikte Laboratuvar Teknikleri

DOĞAN M., SARPÜN İ. H.

Afyon Kocatepe Üniversitesi, Afyon, 2002

Refereed Congress / Symposium Publications in Proceedings

I. Double differential cross section calculations of (n,p) reactions on ²⁷Al and ²⁴Mg targets

SARPÜN İ. H., Tel E., Aydın A., Yildirir U.

7th International Workshop of the Hellenic Institute of Nuclear Physics on Nuclear Structure, Astrophysics and Reaction Dynamics, HINPw 2024, Ioannina, Greece, 31 May - 01 June 2024, vol.304

II. Single Folding Potential Calculations in ¹⁴¹Pr

Akdeniz F., Yildirir U., SARPÜN İ. H., Tel E., Aydın A.

7th International Workshop of the Hellenic Institute of Nuclear Physics on Nuclear Structure, Astrophysics and Reaction Dynamics, HINPw 2024, Ioannina, Greece, 31 May - 01 June 2024, vol.304

III. THE EFFECT OF ACTIVITIES OF RADIOISOTOPES USED IN NUCLEAR MEDICINE ON ORGAN DOSE

ÖZSOY C., SARPÜN İ. H., AYDIN V., KOCA T., ŞAHİN S.

5TH INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AND APPLIED SCIENCES, Sarajevo, Bosnia

And Herzegovina, 02 August 2021, pp.13

- IV. **VARIATION OF THE DOSAGE TAKEN BY PATIENTS IN CT SCANNING ACCORDING TO THE WEIGHT OF THE PATIENT**
ÖZSOY C., SARPÜN İ. H., AYDIN V., KOCA T.
5TH INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AND APPLIED SCIENCES, Sarajevo, Bosnia And Herzegovina, 02 August 2021, pp.12
- V. **THE CHANGE OF THE DOSE OF I-131 RADIOISOTOPE IN THE BODY ACCORDING TO THE AGE OF BOYS**
SARPÜN İ. H., YILDIRIM Ü., TÜRK ÇAKIR İ., KOCA T., ÇAKIR S.
5TH INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AND APPLIED SCIENCES, Sarajevo, Bosnia And Herzegovina, 02 August 2021, pp.7
- VI. **Variation of the Dose Taken in CT Scanning According to the Height of the Patient**
Sarpün İ. H., Koca T., Şengün Y., Aksoy R. A., Atak E., Kızılkaya M., Korcum Şahin A. F.
5th International Conference on Engineering Technology and Applied Sciences, Sarajevo, Bosnia And Herzegovina, 2 - 06 August 2021, pp.6
- VII. **PERFORMANCE STATUS OF THE DEVICES IN RADIATION ONCOLOGY CLINIC DURING THE COVID-19 PANDEMIC**
KOCA T., ATAK E., ŞENGÜN Y., AKSOY R. A., TUNÇEL N., SARPÜN İ. H., KORCUM ŞAHİN A. F.
ISARC 2. INTERNATIONAL GOBEKLITEPE SCIENTIFIC STUDIES CONGRESS, Şanlıurfa, Turkey, 20 - 22 March 2021, pp.272-277
- VIII. **Covid-19 Pandemi Sürecinde Radyasyon Onkolojisi Kliniğindeki Cihazların Çalışma Durumu**
KOCA T., ATAK E., ŞENGÜN Y., AKSOY R. A., TUNÇEL N., SARPÜN İ. H., KORCUM ŞAHİN A. F.
2. International Gobeklitepe Scientific Studies Congress, Şanlıurfa, Turkey, 20 - 21 March 2021, pp.274-279
- IX. **Nucleon densities of chrome isotopes calculated by Skyrme interactions**
AKDENİZ F., SARPÜN İ. H., TEL E., AYDIN A.
Turkish Physical Society 35th International Physics Congress, 4 - 08 September 2019
- X. **U-238 çekirdeği için elastik ve inelastik saçılma reaksiyonları**
SARPÜN İ. H., TAŞDÖVEN K., AYDIN A.
II. International Turkish World Engineering and Science Congress, 7 - 10 November 2019
- XI. **Fe-56 hedef çekirdekleri için elastik saçılma reaksiyonları**
TAŞDÖVEN K., SARPÜN İ. H., TEL E.
II. International Turkish World Engineering and Science Congress, 7 - 10 November 2019
- XII. **Elastic and inelastic neutron scattering from ^{52}Cr and ^{52}Cr**
SARPÜN İ. H., TAŞDÖVEN K., KAPLAN A.
2nd Int. Conference on Agriculture, Technology, Engineering and Sciences (ICATES 2019), Lviv, Ukraine, 18 - 20 September 2019, pp.1
- XIII. **Calculations of reaction rate of ^{232}Th target nuclei induced fast neutrons**
Tel E., BULBUL A., SARPÜN İ. H.
2nd Int. Conference on Agriculture, Technology, Engineering and Sciences (ICATES 2019), Lviv, Ukraine, 18 - 20 September 2019, pp.3
- XIV. **Elastic scattering of neutron from ^{27}Al and ^{28}Ni targets**
SARPÜN İ. H., TAŞDÖVEN K., DEMİR B.
2nd Int. Conference on Agriculture, Technology, Engineering and Sciences (ICATES 2019), Lviv, Ukraine, 18 - 20 September 2019, pp.2
- XV. **Evaluation of nucleon densities of tungsten isotopes by Woods-Saxon and harmonic oscillator potentials**
AYTAŞ T., SARPÜN İ. H., Tel E., AYDIN A.
Turkish Physical Society 35th International Physics Congress, Muğla, Turkey, 4 - 08 September 2019, pp.2
- XVI. **Single Vector like-B-quarks Search in the B to tW Decay Channel at FCC-hh**
TÜRK ÇAKIR İ., Canbay A., Kuday S., SARPÜN İ. H.
FCC Week 2019, Brüksel, Belgium, 24 - 28 June 2019, pp.1
- XVII. **HFB Calculation of Nucleon Densities of Nickel Isotopes**

SARPÜN İ. H., AKDENİZ F., TURHAN İRAK Z. Ş., TEL E.

HNPS 2019, 31 May - 01 June 2019

- XVIII. **Angular distribution of elastic neutron from ^{19}F and ^{12}C targets**
SARPÜN İ. H., TAŞDÖVEN K., TÜRK ÇAKIR İ.
28th Annual Symposium of Hellenic Nuclear Physics Society, Selanik, Greece, 31 May - 01 June 2019, pp.3
- XIX. **Angular elastic neutron distributions of ^{122}Te and ^{11}B**
SARPÜN İ. H., TAŞDÖVEN K., AYDIN A., Tel E.
28th Annual Symposium of Hellenic Nuclear Physics Society, Selanik, Greece, 31 May - 01 June 2019, pp.1
- XX. **HFB calculations for nucleon densities of nickel isotopes**
SARPÜN İ. H., AKDENİZ F., TURHAN İRAK Z. Ş., Tel E.
28th Annual Symposium of Hellenic Nuclear Physics Society, Selanik, Greece, 31 May - 01 June 2019, pp.2
- XXI. **Investigation of (n,p) and (γ ,p) reactions for fusion reactor shielding materials Sn isotopes**
SARPÜN İ. H., Tel E., işbilir H., Kirpık Y., Tel İ., Gökçeli A., Babaođlan G., Dođan T.
5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, pp.4
- XXII. **Investigation of electromagnetic properties ^{182}W nucleus**
Tel E., Gökçeli İ., SARPÜN İ. H., Orak S.
5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, pp.3
- XXIII. **Neutron absorption in FliBe**
ÖZKAN BİLİCİ V., SARPÜN İ. H.
5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, pp.11
- XXIV. **Theoretical cross section calculation of elastic neutron scattering from ^{197}Au , ^{182}W and ^{186}W**
SARPÜN İ. H., TAŞDÖVEN K., TÜRK ÇAKIR İ.
5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, pp.2
- XXV. **Calculation of nuclear reaction cross section of $^{46,47,49}\text{Ti}$ and ^{41}K nuclei induced by alpha particles**
BİLGİN H., SARPÜN İ. H., AYDIN A.
5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, pp.6
- XXVI. **Angular elastic neutron distribution of ^{197}La target**
SARPÜN İ. H., TAŞDÖVEN K., BOZKURT A.
5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, vol.1, pp.1
- XXVII. **Determination of the parameters of producing $^{210,211}\text{At}$ medical radioisotopes in cyclotron**
BELEN H. K., AYDIN A., SARPÜN İ. H.
5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, pp.17
- XXVIII. **Research of the excitation functions of the $^{58}\text{Ni}(d,n+2p)$ reaction by level density model**
GÜROL A., SARPÜN İ. H., Tel E.
5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, pp.8
- XXIX. **A detailed research on the IRSL characteristics of sediment samples taken from the sea of Marmara at different temperatures**
Tel E., ZALAOđLU Y., SARPÜN İ. H., ARSLAN İ.
5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, pp.16
- XXX. **A study on the effects of level density models for (g,n) and (g,2n) reactions on $^{120,122,124}\text{Sn}$ targets**
ERKAN m., AYDIN A., SARPÜN İ. H.

5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, pp.12

XXXI. Nucleon densities of Fe isotopes

AKDENİZ F., SARPÜN İ. H., Tel E.

5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, pp.13

XXXII. Inelastic scattering of DT neutrons from ^{27}Al , ^{32}S targets

BÜYÜKTÜRKMEN M., SARPÜN İ. H., AYDIN A.

5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, pp.7

XXXIII. Prominent investigation of temperature dependence of IRSL characteristics of sediment samples extracted from the sea of Marmara

Tel E., ZALAOĞLU Y., SARPÜN İ. H., ARSLAN İ.

5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, pp.14

XXXIV. Effects of CT device parameters on imaging

Çeçen B., SARPÜN İ. H., İnal A.

5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, pp.5

XXXV. The effect of level density models on the $^{58}\text{Ni}(n,x)^{57}\text{Co}$ reaction cross sections

GÜROL A., SARPÜN İ. H., AYDIN A.

5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, pp.9

XXXVI. Neutron absorption in B

ÖZKAN BİLİCİ V., TURHAN IRAK Z. Ş., PAT S., SARPÜN İ. H.

5th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2019), Amasya, Turkey, 2 - 04 May 2019, pp.10

XXXVII. ELASTIC AND THERMAL PROPERTIES OF WC/ CO-TI CERAMICMETAL COMPOSITES: EFFECTS OF WC RATIO

ÖZKAN BİLİCİ V., SARPÜN İ. H., KILIÇKAYA M. S.

IV. International Ege Composite Materials Symposium KOMPEGE 2018, İzmir, Turkey, 6 - 08 September 2018

XXXVIII. "Physical properties of fusion reactor material B4C composites"

SARPÜN İ. H., BİLİCİ O., BOZKURT A., PAT S., AYDIN A.

3rd International Conference on Engineering Technology and Applied Sciences (ICETAS-2018), Skopje, Macedonia, 17 - 21 July 2018, pp.1

XXXIX. "(?,n) cross section calculation of several Sn isotopes by using different radiative strength function models"

SARPÜN İ. H., OZDOĞAN H., BOZKURT A., KAPLAN A.

3rd International Conference on Engineering Technology and Applied Sciences (ICETAS-2018), Skopje, Macedonia, 17 - 21 July 2018, pp.1

XL. "Evaluation of the elastic and thermal properties of WC/ Fe-Ti ceramic-metal composites fabricated by powder metallurgy"

BİLİCİ O., SARPÜN İ. H., KILICKAYA M.

3rd International Conference on Engineering Technology and Applied Sciences (ICETAS-2018), Skopje, Macedonia, 17 - 21 July 2018, pp.1

XLI. "Proton, deuteron and alpha emission of BN composites"

SARPÜN İ. H., BOZKURT A., AYDIN A., PAT S., MOHAMED B.

3rd International Conference on Engineering Technology and Applied Sciences (ICETAS-2018), Skopje, Macedonia, 17 - 21 July 2018, pp.1

XLII. "Monte Carlo calculated stopping power and range of alpha particles in water"

BOZKURT A., SARPÜN İ. H.

3rd International Conference on Engineering Technology and Applied Sciences (ICETAS-2018), Skopje, Macedonia, 17 - 21 July 2018, pp.1

- XLIII. **Structural properties of the candidate reactor material VC composites**
ÖZKAN BİLİCİ V., TURHAN İRAK Z. Ş., KARAMAN C., BOZKURT A., PAT S., SARPÜN İ. H.
4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.32-33
- XLIV. **Investigation of the potential use of 3D graphene networks and composites for high-performance electromagnetic interference shielding**
KARAMAN C., BAYRAM E., KARAMAN O., SARPÜN İ. H.
4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.28
- XLV. **High performance graphene-based photodetectors**
KARAMAN C., TANIR A. G., SARPÜN İ. H., KARAMAN O., BAYRAM E., KOLBAŞI A.
4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.139
- XLVI. **Physical properties of TiN reactor structural material**
ÖZKAN BİLİCİ V., TURHAN İRAK Z. Ş., KARAMAN C., BOZKURT A., PAT S., SARPÜN İ. H.
4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.30-31
- XLVII. **A novel approach to electromagnetic interference shielding: Conductive polymer/graphene nanocomposites**
KARAMAN C., BAYRAM E., SARPÜN İ. H., KARAMAN O.
4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.51
- XLVIII. **“Structural properties of the candidate reactor material VC composites”**
ÖZKAN BİLİCİ V., TURHAN İRAK Z. Ş., KARAMAN C., BOZKURT A., PAT S., SARPÜN İ. H.
4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Ankara, Turkey, 20 - 22 April 2018, pp.1
- XLIX. **“Investigation of the potential use of 3D graphene networks and composites for high-performance electromagnetic interference shielding”**
KARAMAN C., BAYRAM E., KARAMAN O., SARPÜN İ. H.
4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.1
- L. **Theoretical calculation of gamma induced fission cross section on some actinides”**
GÜROL A., SARPÜN İ. H., UNAL R.
4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.1
- LI. **“Reaction mechanism of $8\text{Li}(a,n)11\text{B}$ at low energies”**
KILIÇ A. İ., DAVIDS B., KILIÇ F., SARPÜN İ. H., BROWN A.
4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.1
- LII. **“High performance graphene-based photodetectors”**
KARAMAN C., TANIR A., SARPÜN İ. H., KARAMAN O., BAYRAM E., KOLBAŞI A.
4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.1
- LIII. **“Excitation functions of nuclear reactions induced by alpha particles up to 50 MeV on 46Ti , 45Sc and 51V ”**
BİLGİN H., SARPÜN İ. H., AYDIN A.
4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.1
- LIV. **“Light charged particle emission of VC composites”**

SARPÜN İ. H., BOZKURT A., AYDIN A., PAT S., MOHAMED B.

4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.1

LV. "Proton, deuteron, and alpha emission of TiN composites"

SARPÜN İ. H., BOZKURT A., AYDIN A., PAT S., MOHAMED B.

4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.1

LVI. Photo-neutron cross section calculations of 84,86,87,88Sr

SARPÜN İ. H., ÖZDOĞAN H., ŞEKERCİ M., KAPLAN A.

International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Turkey, 20 - 22 April 2018, pp.140

LVII. "Stopping power and range of protons between 10-1000 MeV energies in water using the Monte Carlo technique"

BOZKURT A., SARPÜN İ. H.

4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.1

LVIII. "Physical properties of TiN reactor structural material"

ÖZKAN BİLİCİ V., TURHAN IRAK Z. Ş., KARAMAN C., BOZKURT A., PAT S., SARPÜN İ. H.

4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.1

LIX. "Effects of gamma ray strength function on reaction cross section calculations in some osmium isotopes"

TAŞDÖVEN K., SARPÜN İ. H., YALIM H. A.

4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.1

LX. "A novel approach to electromagnetic interference shielding: Conductive polymer/graphene nanocomposites"

KARAMAN C., BAYRAM E., SARPÜN İ. H., KARAMAN O.

4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.1

LXI. "Theoretical calculation of neutron induced fission cross section on some actinides"

GÜROL A., SARPÜN İ. H., BOZKURT A.

4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.1

LXII. "Excitation function of (g,xn) reaction in some lanthanides"

DOĞAN Y., DEMİR B., SARPÜN İ. H.

4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.1

LXIII. "Photo-neutron cross section calculations of 84,86,87,88Sr"

SARPÜN İ. H., ÖZDOĞAN H., ŞEKERCİ M., KAPLAN A.

4th Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Turkey, 20 - 22 April 2018, pp.1

LXIV. Theoretical Calculations of Double Differential Neutron Emission Cross Sections of Bi-209 at 14.2 MeV Incident Neutron Energy

Sahan M., Tel E., Sahan H., Sarpun I. H.

33rd International Physics Congress of the Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 10 September 2017, vol.1935

LXV. Double Differential Proton Emission Cross Sections for Structural Fusion Materials Mg-24

Demirelli G., SARPÜN İ. H., Oruncak B., Tel E., Aydin A.

1st International Conference on Radiations and Applications (ICRA), Algiers, Algeria, 20 - 23 November 2017, vol.1994

- LXVI. **Stopping Power of Protons for Energies and Materials of Therapeutic Importance Using Monte Carlo Simulations**
BOZKURT A., Sarpun I. H.
1st International Conference on Radiations and Applications (ICRA), Algiers, Algeria, 20 - 23 November 2017, vol.1994
- LXVII. **Environmental Radioactivity in Iğdır Region**
SARPÜN İ. H., TURHAN İRAK Z. Ş.
II. International Iğdır Symposium (IGDIRSEMP 2017, Iğdır, Turkey), Iğdır, Turkey, 9 - 11 October 2017, pp.222
- LXVIII. **"Nuclear reaction cross sections and calculation methods"**
SARPÜN İ. H.
1st International Turkish World Engineering and Science Congress, Antalya, Turkey, 7 - 10 December 2017, pp.1
- LXIX. **"¹³¹Cs radyoizotopu üretim nükleer reaksiyon tesir kesitleri"**
BÜYÜKTÜRKMEN M., SARPÜN İ. H., DEMİR B.
1st International Turkish World Engineering and Science Congress, Antalya, Turkey, 7 - 10 December 2017, pp.1
- LXX. **Double differential proton emission cross sections for structural fusion materials**
DEMİRELLİ G., SARPÜN İ. H., ORUNCAK B., TEL E., AYDIN A.
1st International Conference on Radiations and Applications (ICRA-2017), 20 - 22 November 2017
- LXXI. **DENSITY DEPENDENT NEW CROSS SECTION CALCULATIONS OF ¹⁰B BORON TARGET NUCLEI**
TEL E., SARPÜN İ. H., ŞAHAN M., AYDIN A., BÜLBÜL A.
The first International Conference on Radiations and Application, Algiers, Algeria, 20 - 22 November 2017
- LXXII. **"Density dependent new cross section calculations of ¹⁰B target nuclei"**
TEL E., SARPÜN İ. H., SAHAN M., AYDIN A., BULBUL A.
1st International Conference on Radiations and Applications (ICRA-2017), Algiers, Algeria, 20 - 22 November 2017, pp.1
- LXXIII. **Light Charged Particle Emission of B₄C Composites**
SARPÜN İ. H., BOZKURT A., AYDIN A., PAT S.
International Conference on Radiations and Applications, 20 - 22 November 2017
- LXXIV. **"Light charged particle emission of B₄C composites"**
SARPÜN İ. H., BOZKURT A., AYDIN A., PAT S.
1st International Conference on Radiations and Applications (ICRA-2017), Algiers, Algeria, 20 - 22 November 2017, pp.1
- LXXV. **Cs¹³¹ radyoizotop üretim nükleer reaksiyon tesir kesitleri**
büyüktürkmen m., SARPÜN İ. H., DEMİR B.
1. uluslararası Türk dünyası mühendislik ve fen bilimleri kongresi, 7 - 10 December 2017
- LXXVI. **Proton Bombarded Reactions of Calcium Target Nuclei**
TEL E., ŞAHAN M., SARPÜN İ. H., KAVUN Y., GÖK A. A., DEPEDELEN M.
Theoretical and Experimental Studies in Nuclear Applications and Technology, Adana, Turkey, 10 - 12 May 2017, vol.154
- LXXVII. **Particle induced nuclear reaction calculations of Boron target nuclei**
TEL E., ŞAHAN M., SARPÜN İ. H., KAVUN Y., GÖK A., POYRAZ M.
3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), 23 - 26 April 2017, vol.154, pp.1001
- LXXVIII. **"DDX calculations of some transition metals"**
SARPÜN İ. H., DEMİRELLİ G., TEL E.
X. International Conference on Nuclear Structure Properties, Karabük, Turkey, 20 - 22 September 2017, pp.1
- LXXIX. **"Photoneutron reactions in ¹⁸⁶W and ¹⁵²Sm nuclei"**
TAŞDÖVEN K., YALIM H. A., SARPÜN İ. H.
X. International Conference on Nuclear Structure Properties, Antalya, Turkey, 20 - 22 September 2017, pp.1
- LXXX. **"Calculations of photoneutron reaction cross sections of some uranium isotopes"**
SARPÜN İ. H., AYDIN A., TEL E., BOZKURT A.
Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.1

- LXXXI. **“Investigation of excitation functions of copper radioisotopes used in nuclear medicine with Talys code”**
YALIM H. A., BARÇIN N., SARPÜN İ. H.
Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.1
- LXXXII. **“Calculation of excitation functions of ^{53}Cr and ^{54}Fe with $(?,p)$ reactions”**
BİLGİN H., SARPÜN İ. H., AYDIN A.
Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.1
- LXXXIII. **“Photoneutron Cross Section Calculations in ^{193}Ir , ^{159}Tb Nuclei”**
TAŞDÖVEN K., SARPÜN İ. H., YALIM H. A.
Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.1
- LXXXIV. **“DDX calculations of (n,p) reactions from ^{27}Al target nucleus”**
DEMIRELLI G., SARPÜN İ. H., ORUNCAK B.
Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.1
- LXXXV. **“The deformation effect on the cross section calculations”**
BOYUKATA M., SARPÜN İ. H., AYDIN A.
Sixth Bozok Science Workshop, Yozgat, Turkey, 23 - 25 August 2017, pp.1
- LXXXVI. **“Reaction cross section calculation some alkaline earth elements”**
TEL E., KAVUN Y., SARPÜN İ. H.
3rd Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), Adana, Turkey, 10 - 12 May 2017, pp.1
- LXXXVII. **“Inelastic scattering of 14.6 MeV neutrons from ^{23}Na , ^{27}Al , ^{32}S , ^{54}Co target nucleus”**
BÜYÜKTÜRKMEN M., SARPÜN İ. H., ORUNCAK B.
3rd Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), Adana, Turkey, 10 - 12 May 2017, pp.1
- LXXXVIII. **“Proton emission of B_4C composites”**
SARPÜN İ. H., BOZKURT A., AYDIN A., PAT S.
3rd Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), Adana, Turkey, 10 - 12 May 2017, pp.1
- LXXXIX. **“Double differential proton emission cross sections for structural fusion materials ^{28}Si ”**
DEMIRELLI G., SARPÜN İ. H., ORUNCAK B.
3rd Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), Adana, Turkey, 10 - 12 May 2017, pp.1
- XC. **“Particle induced nuclear reactions calculations of boron target nuclei”**
TEL E., SAHAN M., SARPÜN İ. H., KAVUN Y., GOK A. A., POYRAZ M.
3rd Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), Adana, Turkey, 10 - 12 May 2017, pp.1
- XCI. **“The structure of ^{152}Sm target and the effects of the deformation parameter on cross sections of neutron induced reactions”**
AYDIN A., SARPÜN İ. H., BOYUKATA M.
3rd Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), Adana, Turkey, 10 - 12 May 2017, pp.1
- XCII. **“Effects of level density models on (p,n) reactions in some natural metal targets”**
YEŞİLDAĞ F., SARPÜN İ. H., AYDIN A.
3rd Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), Antalya, Turkey, 10 - 12 May 2017, pp.1
- XCIII. **“Calculation of excitation functions of some elements with $(^3\text{He},p)$ reactions”**
BİLGİN H., SARPÜN İ. H., DEMİR B.
3rd Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), Adana, Turkey, 10 - 12 May 2017, pp.1
- XCIV. **“The calculation of the deformation parameter of ^{150}Nd target and its effect of this parameter on the cross sections of $(?,2n)$, $(n,2n)$, $(p,2n)$ reactions”**

BOYUKATA M., SARPÜN İ. H., AYDIN A.

3rd Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), Adana, Turkey, 10 - 12 May 2017, pp.1

XCV. "Properties of candidate structural reactor material, BN composites"

TURHAN IRAK Z. Ş., ÖZKAN BİLİCİ V., TUNCEL S., PAT S., SARPÜN İ. H.

3rd Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), Adana, Turkey, 10 - 12 May 2017, pp.1

XCVI. "Phenomenological level density models in photoneutron reactions on ^{232}Th , ^{237}Np , ^{239}Pu and ^{241}Am targets"

AYDIN A., SARPÜN İ. H., TEL E.

2nd International Conference on Engineering Technology and Applied Sciences, Baia Mare, Romania, 20 - 21 April 2017, pp.1

XCVII. "Comparison of phenomenological level density models in $(?,n)$ reactions of uranium isotopes"

SARPÜN İ. H., AYDIN A., TEL E., BOZKURT A.

2nd International Conference on Engineering Technology and Applied Sciences, Baia Mare, Romania, 20 - 21 April 2017, pp.1

XCVIII. "Cross section calculations for ^{39}K using skyrme parameters"

TEL E., AYDIN A., SARPÜN İ. H., ALKANLI H.

2nd International Conference on Engineering Technology and Applied Sciences, Baia Mare, Romania, 20 - 21 April 2017, pp.1

XCIX. Determination of the effects of nuclear level density parameters on photofission cross sections of ^{235}U up to 20 MeV

Sarpun I. H., Aydin A., Pekdogan H.

International Conference on Nuclear Data for Science and Technology (ND), Bruges, Belgium, 11 - 16 September 2016, vol.146

C. Double Differential Deuteron Emission Cross Sections for Structural Fusion Materials ^{94}Mo , ^{95}Mo , ^{96}Mo

SARPÜN İ. H., AYDIN A.

TESNAT 2016, 28 - 30 April 2016

CI. "The effect of the deformation parameter on the cross sections for $^{110}\text{Pd}(d,n)^{111}\text{Ag}$ and $^{110}\text{Pd}(d,2n)^{110m}\text{Ag}$ reactions"

BOYUKATA M., SARPÜN İ. H., AYDIN A.

1st Int. Yer Altı Zenginlikleri Ve Enerji Konferansı, Yozgat, Turkey, 6 - 08 October 2016, pp.1

CII. Theoretical cross section calculations of medical ^{103}Pd radioisotope using α and ^3He induced reactions

DEMİR B., SARPÜN İ. H., DOĞAN Y.

Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016), Hatay, Turkey, 28 - 30 April 2016, pp.1

CIII. Theoretical investigation of cross-sections and astrophysical s-factors for the $^{92}\text{Mo}(?,n)^{95}\text{Ru}$ and $^{94}\text{Mo}(?,n)^{97}\text{Ru}$ reactions

AYDIN A., YILDIZ E., SARPÜN İ. H.

Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016), Hatay, Turkey, 28 - 30 April 2016, pp.1

CIV. Double differential light charged particle emission cross sections for structural fusion materials ^{92}Mo

AYDIN A., SARPÜN İ. H.

Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016), Hatay, Turkey, 28 - 30 April 2016, pp.1

CV. "Calculation of $(p,?)$ and $(p,?)$ nuclear reaction cross sections in stars up to 10 MeV"

TEL E., SAHAN M., SARPÜN İ. H., OKUR S. G.

Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016), Hatay, Turkey, 28 - 30 April 2016, pp.1

- CVI. Thorium target reaction cross sections calculations using skyrme nuclear force with ska parameter**
TEL E., ALKANLI H., SARPÜN İ. H.
Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016), Hatay, Turkey, 28 - 30 April 2016, pp.1
- CVII. Cross section calculations for ^{93}Nb nuclear reactions**
YIGIT M., SARPÜN İ. H., TEL E.
Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016), Hatay, Turkey, 28 - 30 April 2016, pp.1
- CVIII. Level density parameter dependence of the fission cross sections of $^{235,238}\text{U}$ nuclei induced by alphas**
AYDIN A., SARPÜN İ. H.
Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016), Hatay, Turkey, 28 - 30 April 2016, pp.1
- CIX. The effects of nuclear level density parameters on photofission cross sections of $^{236}\text{U}(\gamma, f)$ up to 20 MeV**
AYDIN A., PEKDOĞAN H., SARPÜN İ. H.
Int. Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016), Hatay, Turkey, 28 - 30 April 2016, pp.1
- CX. Cross section calculations of medical Pd-103 radioisotope using α and He-3 induced reactions**
DEMİR B., Sarpun I. H., DOĞAN Y. E.
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT), Hatay, Turkey, 28 - 30 April 2016, vol.128
- CXI. Dosimetric Comparison of Tools Used in the Quality Assurance of Intensity Modulated Radiation Therapy A Phantom Study**
AKBAŞ U., OKUTAN M., DEMİR B., KÖKSAL C., SARPÜN İ. H., ÇAPALI V., KAPLAN A., ÖZDOĞAN H., AYDIN A.
International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT2015), Osmaniye, Turkey, 23 - 26 April 2015
- CXII. Internal radiotherapy radionuclides**
KOVAN B., DEMİR B., SARPÜN İ. H.
Int. Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2015), Osmaniye, Turkey, 23 - 26 April 2015, pp.1
- CXIII. Dosimetric comparison of tools used in the quality assurance of intensity modulated radiation therapy: a phantom study**
AKBAS U., OKUTAN M., DEMİR B., KOKSAL C., SARPÜN İ. H., CAPALI V., KAPLAN A., OZDOGAN H., AYDIN A.
Int. Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2015), Hatay, Turkey, 23 - 26 April 2015, pp.1
- CXIV. Investigation of the fusion reaction using basic nucleon-nucleon interaction potential**
OZDEMİR O., TEL E., YIGIT M., SAHAN H., SEDEFOĞLU N., SARPÜN İ. H.
Int. Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2015), Osmaniye, Turkey, 23 - 26 April 2015, pp.1
- CXV. Evaluation of dose distributions calculated by the cyberknife monte carlo and ray tracing algorithms for head and neck tumors: a phantom study**
OKUTAN M., DEMİR B., KOKSAL C., AKBAS U., KAPLAN A., CAPALI V., SARPÜN İ. H., AYDIN A., TEL E.
Int. Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2015), Osmaniye, Turkey, 23 - 26 April 2015, pp.1
- CXVI. Investigation of the effects of nuclear level density parameters on the cross sections of the $^{234}\text{U}(\gamma, f)$ reaction**
PEKDOĞAN H., AYDIN A., SARPÜN İ. H.
Int. Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2015), Osmaniye, Turkey, 23 - 26 April 2015, pp.1
- CXVII. Comparison of Dose Distributions Calculated by the Cyberknife Monte Carlo and Ray Tracing**

Algorithms for Lung Tumors: A Phantom Study

KOKSAL C., AKBAS U., OKUTAN M., DEMİR B., CAPALI V., KAPLAN A., SARPÜN İ. H., AYDIN A.

Int. Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2015), Hatay, Turkey, 23 - 26 April 2015, pp.1

CXVIII. A systematic quality assurance study in bone densitometry devices

TUNÇMAN D., KOVAN H., KOVAN B., DEMİR B., SARPÜN İ. H.

Int. Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2015), Osmaniye, Turkey, 23 - 26 April 2015, pp.1

CXIX. Calculation of the (n,2n) and (n,p) reaction cross section of germanium target isotopes at 14-15 MeV incident energy

GEVHER U., SAHAN M., TEL E., SAHAN H., AYDIN A., KARA A., SARPÜN İ. H.

Int. Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2015), Osmaniye, Turkey, 23 - 26 April 2015, pp.1

CXX. Theoretical Calculations of Medical 125I Radionuclide Using α , d and g Induced Reactions

DEMİR B., SARPÜN İ. H., ÇAPALI V., KAPLAN A., ÖZDOĞAN H., AYDIN A., TEL E.

International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT2015), 23 - 26 April 2015

CXXI. Calculation of cross-sections and astrophysical s-factors for the $^{63}\text{Cu}(?,n)$ and $^{63}\text{Cu}(?,?)$ reactions

YILDIZ E., AYDIN A., SARPÜN İ. H., TEL E.

Int. Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2015), Osmaniye, Turkey, 23 - 26 April 2015, pp.1

CXXII. Theoretical Calculations of Medical 125I Radionuclide Using α , d, and γ Induced Reactions

DEMİR B., SARPÜN İ. H., CAPALI V., KAPLAN A., OZDOGAN H., AYDIN A., TEL E.

Int. Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2015), Osmaniye, Turkey, 23 - 26 April 2015, pp.1

CXXIII. Gamma radiation exposure of accompanying persons due to Lu-177 patients

KOVAN B., DEMİR B., TUNÇMAN D., CAPALI V., KAPLAN A., SARPÜN İ. H., AYDIN A.

Int. Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2015), Osmaniye, Turkey, 23 - 26 April 2015, pp.1

CXXIV. A study on nuclear properties of Zr, Nb and Ta nuclei used as structural material in fusion reactors

SAHAN H., DONER M., TEL E., SAHAN M., AYDIN A., YIGIT M., SARPÜN İ. H.

Int. Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2015), Osmaniye, Turkey, 23 - 26 April 2015, pp.1

CXXV. The theoretical study of production of ^{66}Ga , ^{67}Ga , ^{68}Ga and ^{65}Zn with alpha bombardment

SARPÜN İ. H., GÜROL A.

VII. Int. Workshop on Nuclear Structure Properties, Sinop, Turkey, 27 - 29 October 2014, pp.1

CXXVI. ^{57}Co radyoizotopunun (α, γ) reaksiyonu ile üretilmesinin teorik hesaplaması

GÜROL A., SARPÜN İ. H., ORUNCAK B.

VII. Int. Workshop on Nuclear Structure Properties, Sinop, Turkey, 27 - 29 October 2014, pp.1

CXXVII. Nükleer seviye yoğunluk parametresinin reaksiyon tesir kesitlerine etkisinin incelenmesi

PEKDOGAN H., SARPÜN İ. H., AYDIN A.

VII. Int. Workshop on Nuclear Structure Properties, Sinop, Turkey, 27 - 29 October 2014, pp.1

CXXVIII. Nükleer astrofizik reaksiyonlarında s-faktörünün etkisi

YILDIZ E., AYDIN A., SARPÜN İ. H.

VII. Int. Workshop on Nuclear Structure Properties, Sinop, Turkey, 27 - 29 October 2014, pp.1

CXXIX. (α, n) reaction cross sections of some lanthanide nuclei at different level density models

AKCAALAN U., UNAL R., SARPÜN İ. H., YALIM H. A., ORUNCAK B.

Int. Conference on Computational and Experimental Science and Engineering (ICCESEN 2014), Antalya, Turkey, 25 - 29 October 2014, pp.1

CXXX. ^{116}Sn , ^{117}Sn , ^{118}Sn , ^{119}Sn , ^{120}Sn , ^{122}Sn izotopları ile (α, n) reaksiyonunun tesir kesiti hesaplaması

GÜROL A., SARPÜN İ. H., ORUNCAK B.

- Turkish Physical Society 31st Int. Physics Conference, Muğla, Turkey, 21 - 24 July 2014, pp.1
- CXXXI. **57Co radyoizotopunun (p,*), (n,x), (d,x) reaksiyonu ile üretilmesinin teorik hesaplaması**
SARPÜN İ. H., GÜROL A., ORUNCAK B.
Adım Fizik Günleri III Süleyman Demirel Üniversitesi, Isparta, Turkey, 17 - 18 April 2014, pp.1
- CXXXII. **Radyoizotop üretiminin teorik çalışması**
SARPÜN İ. H., GÜROL A.
Adım Fizik Günleri III Süleyman Demirel Üniversitesi, Isparta, Turkey, 17 - 18 April 2014, pp.1
- CXXXIII. **Investigations of (n,g) reaction cross sections of some 3A group elements**
SARPÜN İ. H.
3rd TAC Light Sources (SR&FEL) Int. Users' Meeting (TAC-LSUM2013), Ankara, Turkey, 5 - 07 October 2013, pp.1
- CXXXIV. **The relations between poisson's ratio with the shear modulus, the bulk modulus and young's modulus for composite materials**
OZKAN V., SARPÜN İ. H., ERDOĞAN M.
Turkish Physical Society 30th Int. Physics Conference, İstanbul, Turkey, 2 - 05 September 2013, pp.1
- CXXXV. **The relationship between various elastic properties and sintering temperature of WCNi ceramic composite materials**
SARPÜN İ. H., OZKAN V., TUNCEL S.
Int. Congress on Ultrasonics 2013 (ICU 2013), Singapur, Singapore, 2 - 05 May 2013, pp.1
- CXXXVI. **Proton induced alpha emission double-differential cross section calculations at 62 MeV**
SARPÜN İ. H., UNAL R., YALIM H. A.
Ulusal Proton Hızlandırıcıları Çalıştayı, Ankara, Turkey, 18 - 19 April 2013, pp.1
- CXXXVII. **(a,f) reaction cross sections of 209Bi and 232Th nuclei**
KOCA H., SARPÜN İ. H., UNAL R., YALIM H. A., ORUNCAK B.
Turkish Physical Society 29th Int. Physics Conference, Muğla, Turkey, 5 - 08 September 2012, pp.1
- CXXXVIII. **Investigation of emission spectra of (n,x) reaction on 59Co**
SUNAR K., KOCA H., YALIM H. A., UNAL R., SARPÜN İ. H., ORUNCAK B.
Turkish Physical Society 29th Int. Physics Conference, Muğla, Turkey, 5 - 08 September 2012, pp.1
- CXXXIX. **Computational methods in nuclear physics**
SARPÜN İ. H.
The 2nd Int. Conference on Computation for Science and Technology, Niğde, Turkey, 9 - 11 July 2012, pp.1
- CXL. **Ultrasonic investigation of (WC)Ni+Co, (WC)+Ni, (WC)Ni+Mg, (TiC)+(Fe+Ni) ceramic metal composites**
SARPÜN İ. H., BODUR H., OZKAN V., TUNCEL S., ERDOĞAN M.
Structural Faults & Repair-2012, Edinburgh, United Kingdom, 3 - 05 July 2012, pp.1
- CXLI. **27Al, 54Fe, 56Fe, 89Y, 120Sn, 197Au, 208Pb ve 209Bi çekirdekleri için döteryum emisyonu spektrumunun nükleon ortalama serbest yol bağlılığının incelenmesi**
YILMAZ E., KİREMİTÇİOĞLU Ş., YALIM H. A., UNAL R., SARPÜN İ. H., ORUNCAK B.
İZYEF İzmir Yüksek Enerji Fiziği ve Uygulamaları Çalıştayı, İzmir, Turkey, 19 - 23 June 2012, pp.1
- CXLII. **7Li, 9Be, 26Mg, 44Ca, 84,88Sr, 133Cs, 138Ba çekirdeklerinde fotonötron reaksiyonları (?n), ((?n)+(?n+p)) ve (?abs) tesir kesitlerinin teorik olarak hesaplanması**
KİREMİTÇİOĞLU Ş., SARPÜN İ. H., UNAL R., YALIM H. A., ORUNCAK B.
İZYEF İzmir Yüksek Enerji Fiziği ve Uygulamaları Çalıştayı, İzmir, Turkey, 19 - 23 June 2012, pp.1
- CXLIII. **118Sn çekirdeğinde 10.19, 10.72, 11.14 mev uyarma enerjili protonlar ile nötron üretim çift diferansiyel tesir kesitlerinin teorik hesaplanması**
KİREMİTÇİOĞLU Ş., UNAL R., SARPÜN İ. H., ORUNCAK B., YALIM H. A.
İZYEF İzmir Yüksek Enerji Fiziği ve Uygulamaları Çalıştayı, İzmir, Turkey, 19 - 23 June 2012, pp.1
- CXLIV. **Uranyum izotopunda (a,f) reaksiyonlarının tesir kesitleri**
KOCA H., SARPÜN İ. H.
İZYEF İzmir Yüksek Enerji Fiziği ve Uygulamaları Çalıştayı, İzmir, Turkey, 19 - 23 June 2012, pp.1
- CXLV. **Relative effects of porosity and grain size on ultrasonic wave propagation in marbles**
OZKAN V., SARPÜN İ. H., TUNCEL S.

NDTMS-2011 Int. Symposium on Nondestructive Testing of Materials and Structures, İstanbul, Turkey, 15 - 18 May 2011, pp.1

- CXLVI. **Examining with the sintered temperature of mean grain size of B4C-Al-Ni composites by ultrasonic techniques**
OZKAN V., SARPÜN İ. H.
, Advances in Applied Physics & Materials Science Congress, Antalya, Turkey, 12 - 15 May 2011, pp.1
- CXLVII. **The elastic properties determination of volcanic rocks by using ultrasonic method**
SARPÜN İ. H., HERSAT S. B., OZKAN V., TUNCEL S., YILDIZ A.
10th European Conference on Non-Destructive Testing, Moscow, Russia, 7 - 11 June 2010, pp.1
- CXLVIII. **Proton uyarma reaksiyonlarındaki döteryum emisyonu spektrumunun nükleon ortalama serbest yol bağlılığının incelenmesi**
YILMAZ E., YALIM H. A., UNAL R., SARPÜN İ. H., ORUNCAK B.
Adım Fizik Günleri, Afyonkarahisar, Turkey, 21 - 22 May 2010, pp.1
- CXLIX. **Bir deprem ağının oluşturulması ve deprem ağlarında kaba damarlaşma ölçeğinin tespiti**
KİREMİTÇİOĞLU Ş., SARPÜN İ. H.
Adım Fizik Günleri, Afyonkarahisar, Turkey, 21 - 22 May 2010, pp.1
- CL. **Malzemelerin termal ve elastik özelliği**
BODUR H., ÖZKAN BİLİCİ V., SARPÜN İ. H.
Adım Fizik Günleri, Afyonkarahisar, Turkey, 21 - 22 May 2010, pp.1
- CLI. **Denizli yöresi mermer ve travertenlerinin K-40, U-238 ve Th-232 aktiviteleri açısından karşılaştırılması**
ORUNCAK B., AKKURT İ., SARPÜN İ. H., UNAL R., YALIM H. A.
Adım Fizik Günleri, Afyonkarahisar, Turkey, 21 - 22 May 2010, pp.1
- CLII. **Doğal radyasyon açısından; granit mi, mermer mi?**
ORUNCAK B., AKKURT İ., SARPÜN İ. H., UNAL R., YALIM H. A., ACAR A.
Adım Fizik Günleri, Afyonkarahisar, Turkey, 21 - 22 May 2010, pp.1
- CLIII. **Nötronların 0-25 MeV gelme enerjileri için 3. periyot çekirdeklerinin (n,p) reaksiyon tesir kesitlerinin incelenmesi**
AKKURT A., YALIM H. A., UNAL R., SARPÜN İ. H., ORUNCAK B.
Adım Fizik Günleri, Afyonkarahisar, Turkey, 21 - 22 May 2010, pp.1
- CLIV. **Eskişehir yöresi mermerlerinde doğal radyasyon analizleri**
ORUNCAK B., AKKURT İ., SARPÜN İ. H., YALIM H. A., UNAL R., ÖZKAN D.
Adım Fizik Günleri, Afyonkarahisar, Turkey, 21 - 22 May 2010, pp.1
- CLV. **165Ho izotopunun 1-100 MeV enerjili parçacıklarla reaksiyon tesir kesitlerinin teorik hesaplanması**
SARPÜN İ. H., AYDIN A., AKKURT A., ÖZDEMİR E.
Turkish Physical Society 26th Int. Physics Conference, Muğla, Turkey, 24 - 27 September 2009, pp.1
- CLVI. **Ultrasonic determination of elastic modulus of marbles relation with porosity and CaO %**
SARPÜN İ. H., OZKAN V., TUNCEL S.
The 10th Int. Conference of the Slovenian Society for Non-Destructive Testing "Application of Contemporary Non-Destructive Testing in Engineering, Ljubljana, Slovenia, 1 - 03 September 2009, pp.1
- CLVII. **Determination of relation between elastic constant and sintered temperature in WC-Ni composites**
SARPÜN İ. H., OZKAN V., TUNCEL S.
10th World Conference on Nondestructive Testing, Shanghai, China, 25 - 28 October 2008, pp.1
- CLVIII. **Şişelenmiş maden sularının radon konsantrasyonları**
YALIM H. A., ORUNCAK B., UNAL R., SARPÜN İ. H., AKKURT A.
Termal ve Maden Suları Konferansı, Afyonkarahisar, Turkey, 10 - 11 October 2008, pp.1
- CLIX. **Afyonkarahisar bölgesindeki bazı jeotermal kaynakların radon konsantrasyonları**
YALIM H. A., ORUNCAK B., UNAL R., SARPÜN İ. H., AKKURT A.
Termal ve Maden Suları Konferansı, Afyonkarahisar, Turkey, 10 - 11 October 2008, pp.1
- CLX. **Relation between mean grain size and ultrasonic attenuation constant in composites**
SARPÜN İ. H., OZKAN V., TUNCEL S.

3rd Int. Non-destructive Testing Symposium and Exhibition, İstanbul, Turkey, 17 - 19 April 2008, pp.1

- CLXI. **Determination of mean grain size by ultrasonic methods of tungsten carbide and boron carbide composites sintered at various temperatures**
SARPÜN İ. H., OZKAN V., UNAL R., TUNCEL S.
4th Int. Conference on NDT of HSNT, Crete, Greece, 11 - 14 October 2007, pp.1
- CLXII. **Değişen üniversite giriş sınavlarının fizik eğitimine etkisi**
ORUNCAK B., UNAL R., YALIM H. A., SARPÜN İ. H., YARAŞLI S.
Turkish Physical Society 24th Int. Physics Conference, Malatya, Turkey, 28 - 31 August 2007, pp.1
- CLXIII. **Kaba yüzeylerin ultrasonik ölçümlere etkisi**
SARPÜN İ. H., ELMAS S., UNAL R., YALIM H. A., ORUNCAK B., EROL A.
Turkish Physical Society 24th Int. Physics Conference, Malatya, Turkey, 28 - 31 August 2007, pp.1
- CLXIV. **Afyonkarahisar-Gazlıgöl hattındaki şişelenmiş ve doğal maden sularının radon (Rn-222) konsantrasyonları**
YALIM H. A., ORUNCAK B., UNAL R., SARPÜN İ. H., AKKURT A.
Turkish Physical Society 24th Int. Physics Conference, Malatya, Turkey, 28 - 31 August 2007, pp.1
- CLXV. **Metalik camların elastik özelliklerinin ultrases ile belirlenmesi**
SARPÜN İ. H., TOPRAK H., UNAL R., YALIM H. A., ORUNCAK B., HİTİT A.
Turkish Physical Society 24th Int. Physics Conference, Malatya, Turkey, 28 - 31 August 2007, pp.1
- CLXVI. **Fizik bölümü öğrencilerinin mesleki genel kültür durumlarına bakış**
ORUNCAK B., UNAL R., YALIM H. A., SARPÜN İ. H., ÇETİN M.
Turkish Physical Society 24th Int. Physics Conference, Malatya, Turkey, 28 - 31 August 2007, pp.1
- CLXVII. **Kaba yüzeylerin ultrasonik ölçümlere etkisi**
SARPÜN İ. H., OZKAN V., UNAL R., YALIM H. A., ORUNCAK B., TUNCEL S.
Turkish Physical Society 24th Int. Physics Conference, Malatya, Turkey, 28 - 31 August 2007, pp.1
- CLXVIII. **Designing and optimising a TOF (Time of Flight) spectrometer**
KARPUZ N., ERENGİL Z. N., UNAL R., YALIM H. A., ORUNCAK B., SARPÜN İ. H.
Turkish Physical Society 24th Int. Physics Conference, Malatya, Turkey, 28 - 31 August 2007, pp.1
- CLXIX. **Ultrasonik tanecik boyutu ölçüm yöntemleri**
SARPÜN İ. H., SEVİM Ö., UNAL R., YALIM H. A., ORUNCAK B., TUNCEL S.
Turkish Physical Society 24th Int. Physics Conference, Malatya, Turkey, 28 - 31 August 2007, pp.1
- CLXX. **Afyonkarahisar-Gazlıgöl hattındaki bazı kaynak sularının radon (Rn-222) konsantrasyonları**
YALIM H. A., ORUNCAK B., UNAL R., SARPÜN İ. H., AKKURT A., GÜNOĞLU K.
Turkish Physical Society 24th Int. Physics Conference, Malatya, Turkey, 28 - 31 August 2007, pp.1
- CLXXI. **Mean grain size determination in marbles by ultrasonic techniques**
SARPÜN İ. H., UNAL R., TUNCEL S.
9th European Conference on Non-Destructive Testing 2006, Berlin, Germany, 25 - 29 September 2006, pp.1
- CLXXII. **Electroless Ni plating of B4C**
OZDEMİR T., UNAL R., EROL A., YALIM H. A., SARPÜN İ. H.
Türk Fizik Derneği 23.Fizik Kongresi, Muğla, Turkey, 13 - 16 September 2005, pp.1
- CLXXIII. **Network routing via radio link**
SARPÜN İ. H., POSTOGNA F.
Türk Fizik Derneği Kongresi, Antalya, Turkey, 1 - 03 August 2005, pp.1
- CLXXIV. **Orta öğretim fizik eğitiminde karşılaşılan sorunlara farklı tür okul öğrencilerinin yaklaşımı**
DOĞAN M., ORUNCAK B., GÜNBAYI İ., UNAL R., SARPÜN İ. H., DERMEZ R.
Türk Fizik Derneği Kongresi, Isparta, Turkey, 11 - 14 September 2002, pp.1
- CLXXV. **Alümina seramiklerinde tanecik boyutlarının belirlenmesi**
SARPÜN İ. H., EMRULLAHOĞULLARI C. B., EMRULLAHOĞULLARI S. B., ERDOGAN M.
Türk Fizik Derneği Kongresi, Isparta, Turkey, 11 - 14 September 2002, pp.1
- CLXXVI. **Teachers and students' approach to the problems in physics education at high school level**
DOĞAN M., ORUNCAK B., GÜNBAYI İ., SARPÜN İ. H., YALIM H. A., DERMEZ R.
First Hellenic-Turkish Int. Physics Conference, Muğla, Turkey, 10 - 15 September 2001, pp.1

Metrics

Publication: 268

Citation (WoS): 827

Citation (Scopus): 2119

H-Index (WoS): 13

H-Index (Scopus): 12