

## **Personal Information**

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## **Education Information**

Doctorate, Akdeniz University, Institute of Health Sciences , Biyofizik, Turkey 2014 - Continues

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2012 - 2018

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2010 - 2012

Undergraduate, Ankara University, Dijital Fabrika Teknolojileri Programı, Fizik, Turkey 2004 - 2010

## **Foreign Languages**

English, B1 Intermediate

## **Dissertations**

Doctorate, Fe, Zr, Nb ve Ag Füzyon Reaktörleri Yapısal Elementlerinin Tesir Kesitlerinin Nükleer Reaksiyon Modelleri Kullanılarak İncelenmesi, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Fizik/Nükleer Fizik, 2018

Postgraduate, BAZI AĞIR HEDEF ÇEKİRDEKLER İÇİN DENGİ VE DENGİ-ÖNCESİ ETKİLERİN TEORİK NÜKLEER MODELLER İLE İNCELENMESİ, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Fizik, 2012

## **Research Areas**

Medicine, Health Sciences, Fundamental Medical Sciences, Biophysics, Physics, Nuclear physics, Natural Sciences

## **Academic Titles / Tasks**

Research Assistant, Akdeniz University, Faculty of Medicine, Temel Tıp Bilimleri, 2013 - Continues

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Calculation of double differential neutron cross-sections of  $^{56}\text{Fe}$  and  $^{90}\text{Zr}$  isotopes**  
Özdoğan H., Üncü Y. A., Şekerci M., Kaplan A.  
Applied Radiation and Isotopes, vol.199, 2023 (SCI-Expanded)
- II. **Estimations of giant dipole resonance parameters using artificial neural network**  
Ozdogan H., Üncü Y. A., Karaman O., Şekerci M., Kaplan A.  
APPLIED RADIATION AND ISOTOPES, vol.169, 2021 (SCI-Expanded)
- III. **Production cross-section and reaction and yield calculations for I123-126 isotopes on Sb-123(alpha,xn) reactions**

Ozdogan H., ŞEKERCİ M., KAPLAN A.

KUWAIT JOURNAL OF SCIENCE, vol.48, no.2, 2021 (SCI-Expanded)

- IV. **Level density model effects on the production cross-section calculations of some medical isotopes via ( $\alpha$ , xn) reactions where  $x=1-3$**   
ŞEKERCİ M., Ozdogan H., KAPLAN A.  
MODERN PHYSICS LETTERS A, vol.35, no.24, 2020 (SCI-Expanded)
- V. **An investigation of effects of level density models and gamma ray strength functions on cross-section calculations for the production of Y-90, Sm-153 Er-169, Lu-177 and Re-186 therapeutic radioisotopes via (n,gamma) reactions**  
ŞEKERCİ M., Ozdogan H., KAPLAN A.  
RADIOCHIMICA ACTA, vol.108, no.1, pp.11-17, 2020 (SCI-Expanded)
- VI. **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)
- VII. **S-Factor Analysis of Proton Capture Reactions on Sn-112, Sn-114, Sn-116, Sn-119 and In-113, In-115 Isotopes**  
Ozdogan H., ŞEKERCİ M., KAPLAN A.  
PHYSICS OF ATOMIC NUCLEI, vol.82, no.4, pp.324-329, 2019 (SCI-Expanded)
- VIII. **Investigation on the Different Production Routes of Ga-67 Radioisotope by Using Different Level Density Models**  
ŞEKERCİ M., Ozdogan H., KAPLAN A.  
MOSCOW UNIVERSITY PHYSICS BULLETIN, vol.74, no.3, pp.277-281, 2019 (SCI-Expanded)
- IX. **A new developed semi-empirical formula for the ( $\alpha$ , p) reaction cross-section at  $19 \pm 1$  MeV**  
Ozdogan H., ŞEKERCİ M., KAPLAN A.  
MODERN PHYSICS LETTERS A, vol.34, no.6, 2019 (SCI-Expanded)
- X. **Theoretical calculations of production cross-sections for the (201)pb, In-111 F-18 and C-11 radioisotopes at proton induced reactions**  
Ozdogan H.  
APPLIED RADIATION AND ISOTOPES, vol.143, pp.1-5, 2019 (SCI-Expanded)
- XI. **Investigation of gamma strength functions and level density models effects on photon induced reaction cross-section calculations for the fusion structural materials Ti-46, Ti-50, V-51, Ni-58 and Cu-63**  
Ozdogan H., ŞEKERCİ M., KAPLAN A.  
APPLIED RADIATION AND ISOTOPES, vol.143, pp.6-10, 2019 (SCI-Expanded)
- XII. **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)
- XIII. **Photon Induced Reaction Cross-Section Calculations of Several Structural Fusion Materials**  
KAPLAN A., ŞEKERCİ M., ÇAPALI V., Ozdogan H.  
JOURNAL OF FUSION ENERGY, vol.36, no.6, pp.213-217, 2017 (SCI-Expanded)
- XIV. **Computations of ( $\alpha$ , xn) Reaction Cross-Section for  $^{107,109}\text{Ag}$  Coated Materials with Possible Application in Accelerators and Nuclear Systems**  
KAPLAN A., ŞEKERCİ M., ÇAPALI V., Özdoğan H.  
Journal of Fusion Energy, vol.35, no.4, pp.715-723, 2016 (SCI-Expanded)
- XV. **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)
- XVI. **Reaction Cross-Section, Stopping Power and Penetrating Distance Calculations for the Structural Fusion Material Fe-54 in Different Reactions**

- Ozdogan H., ÇAPALI V., KAPLAN A.  
JOURNAL OF FUSION ENERGY, vol.34, no.2, pp.379-385, 2015 (SCI-Expanded)
- XVII. **( $\gamma$ , 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)
- XVIII. **Photo-neutron cross-section calculations of  $^{142,143,144,145,146,150}\text{Nd}$  rare-earth isotopes for ( $\gamma$ , n) reaction**  
KAPLAN A., Ozdogan H., Aydin A., Tel E.  
PHYSICS OF ATOMIC NUCLEI, vol.77, no.11, pp.1371-1377, 2014 (SCI-Expanded)
- XIX. **( $\text{He-3}$ , 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)
- XX. **Photo-neutron Cross Section Calculations of Several Structural Fusion Materials**  
KAPLAN A., Ozdogan H., Aydin A., Tel E.  
JOURNAL OF FUSION ENERGY, vol.32, no.3, pp.344-349, 2013 (SCI-Expanded)
- XXI. **Deuteron-Induced Cross Section Calculations of Some Structural Fusion Materials**  
KAPLAN A., Ozdogan H., Aydin A., Tel E.  
JOURNAL OF FUSION ENERGY, vol.32, no.1, pp.97-102, 2013 (SCI-Expanded)
- XXII. **The distribution of juvenile idiopathic arthritis in the eastern Mediterranean: results from the registry of the Turkish Paediatric Rheumatology Association**  
DEMIRKAYA E., ÖZEN S., BİLGİNER Y., AKTAY AYAZ N., Makay B. B., Unsal E., ERGUVEN M., Poyrazoglu H., KASAPÇOPUR Ö., GOK F., et al.  
CLINICAL AND EXPERIMENTAL RHEUMATOLOGY, vol.29, no.1, pp.111-116, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Mamografi Sistemlerinde İlgili Alanı, Türev ve İnce Gruplama Seçimlerinin Modülasyon Transfer Fonksiyonunun Üzerine Etkileri**  
ÜNCÜ Y. A., ÖZDOĞAN H.  
Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, pp.23-35, 2020 (Peer-Reviewed Journal)
- II. **Charged Particle Penetration Distance and Mass Stopping Power Calculations on Some Nuclear Reactor Control Rod Materials**  
ŞEKERCİ M., ÖZDOĞAN H., KAPLAN A.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, no.2, pp.1103-1115, 2019 (Peer-Reviewed Journal)
- III.  **$^{181}\text{Ta}(\alpha, xn)$  Reaksiyonu Tesir Kesitlerinin İncelenmesi**  
ÖZDOĞAN H.  
Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, vol.13, no.2, pp.54-66, 2018 (Peer-Reviewed Journal)
- IV. **Füzyon Reaktörü Yapısal Malzemelerinde Kullanılan Bazı Elementler için Proton Girişli Reaksiyonlarda  $^3\text{He}$  Yayınlanma Spektrumlarının İncelenmesi**  
ÖZDOĞAN H., ŞEKERCİ M., KAPLAN A.  
Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, vol.13, no.1, pp.12-18, 2018 (Peer-Reviewed Journal)
- V. **Effects of Mean Free Path Parameters for Reaction Cross Section Calculations**  
KAPLAN A., ÇAPALI V., ŞEKERCİ M., ÖZDOĞAN H.  
Cumhuriyet Science Journal, vol.37, 2016 (Peer-Reviewed Journal)
- VI.  **$\text{LiH}$  Reaktör Moderatör Malzemesi için Hadronik Etkileşimlerin Geant4 Benzetimi**  
ŞEKERCİ M., ÇAPALI V., ÖZDOĞAN H., KAPLAN A.

SDU Journal of Science, vol.11, no.2, pp.82-88, 2016 (Peer-Reviewed Journal)

**VII. Production Cross Section Calculations of Medical  $^{177}\text{Lu}$  Using Neutron and Proton Induced Reactions**

ŞEKERCİ M., ÇAPALI V., ÖZDOĞAN H., KAPLAN A.

Cumhuriyet Science Journal, vol.37, 2016 (Peer-Reviewed Journal)

**VIII. Reaction Cross Section Calculations in Neutron Induced Reactions and GEANT4 Simulation of Hadronic Interactions for the Reactor Moderator Material BeO**

ÇAPALI V., ŞEKERCİ M., ÖZDOĞAN H., KAPLAN A.

SDÜ Fen Bilimleri Enstitüsü Dergisi, vol.20, no.2, pp.161-166, 2016 (Peer-Reviewed Journal)

**IX. Reaction Cross Section Calculations in Neutron Induced Reactions and GEANT4 Simulation of Hadronic Interactions for the Reactor Moderator Material BeO**

ÇAPALI V., ŞEKERCİ M., ÖZDOĞAN H., KAPLAN A.

SÜLEYMAN DEMİREL ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.20, no.2, pp.161-166, 2016 (Peer-Reviewed Journal)

**X. Eriyik Tuz Reaktörlerinde Yakıt Malzemesi Olarak Kullanılan Na Çekirdeğinin Üretim Tesir Kesiti Hesaplamaları**

Doğan S. S., ÇAPALI V., ÖZDOĞAN H., KAPLAN A.

Süleyman Demirel University, Arts and Sciences Faculty, Journal of Science, vol.9, no.2, pp.100-106, 2014 (Peer-Reviewed Journal)

**XI.  $^{197}\text{Au}$  İçin Reaksiyon Tesir Kesiti Hesaplamaları**

ÖZDOĞAN H., KAPLAN A.

Süleyman Demirel University, Arts and Sciences Faculty, Journal of Science, vol.8, no.1, pp.82-91, 2013 (Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

**I. Production Cross-Section Calculations of  $^{62}\text{Cu}$  via Charged Particles Induced Reactions**

ŞEKERCİ M., ÖZDOĞAN H.

28TH ANNUAL SYMPOSIUM HELLENIC NUCLEAR PHYSICS SOCIETY, 31 May - 01 June 2019

**II. An Investigation on Gamma-Ray Shielding Properties of Zr-Based Bulk Metallic Glasses**

ŞEKERCİ M., ÖZDOĞAN H., KAPLAN A.

28TH ANNUAL SYMPOSIUM HELLENIC NUCLEAR PHYSICS SOCIETY, 31 May - 01 June 2019

**III. Mathematical Modeling and Simulations of Cardiac Action Potential**

ŞENGÜL S., YARAŞ N., ÖZDOĞAN H., SIRCAN A. K., KURT A.

International Conference on Artificial Intelligence and Applied Mathematics in Engineering 2019, 20 - 22 April 2019

**IV. Modeling and analyzing Ca<sup>2+</sup> channel dynamics during cardiac action potential**

ŞENGÜL S., SIRCAN A. K., KURT A., ÖZDOĞAN H., YARAŞ N.

INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 2019, 10 - 13 March 2019

**V. Charged Particle Penetration Distance, Material Stopping Power and Mass Attenuation Coefficient Calculations for Nuclear Reactor Control Rod Material Europium**

ŞEKERCİ M., ÖZDOĞAN H.

INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, 21 - 23 September 2018

**VI. Double Differential Cross-Section Calculations for  $^{27}\text{Al}(d,xn)$**

ÖZDOĞAN H., ŞEKERCİ M.

INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, 21 - 23 September 2018

**VII. "(?,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

- VIII. **(n,p) reaction cross-section calculations of fission reactor control rod materials  $^{107}\text{Ag}$ ,  $^{111}\text{Cd}$ ,  $^{112}\text{Cd}$ ,  $^{113}\text{Cd}$ ,  $^{115}\text{In}$**   
ŞEKERCİ M., ÖZDOĞAN H., KAPLAN A.  
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Turkey, 20 - 22 April 2018, pp.106
- IX. **Proton and alpha radiation effects on hematite aggregated polymer concretes by using GEANT4**  
KAPLAN A. N., Özel C., ŞEKERCİ M., ÖZDOĞAN H.  
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Turkey, 20 - 22 April 2018, pp.123
- X. **Deuteron induced reaction cross-section calculations for  $^{107}\text{Ag}$ ,  $^{109}\text{Ag}$ ,  $^{151}\text{Eu}$ ,  $^{153}\text{Eu}$  and  $^{160}\text{Gd}$  isotopes**  
KAPLAN A., ÖZDOĞAN H., ŞEKERCİ M.  
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Turkey, 20 - 22 April 2018, pp.126
- XI. **Comparison of stopping power calculations for magnetite and ordinary concrete**  
ÖZDOĞAN H., KAPLAN A. N., ŞEKERCİ M., KAPLAN A.  
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Turkey, 20 - 22 April 2018, pp.137
- XII. **(n,2n) reaction cross-section calculations of some Cd isotopes**  
ŞEKERCİ M., ÖZDOĞAN H., KAPLAN A.  
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Turkey, 20 - 22 April 2018, pp.107
- XIII. **“Photo-neutron cross section calculations of  $^{84}\text{Sr}$ ,  $^{86}\text{Sr}$ ,  $^{87}\text{Sr}$ ,  $^{88}\text{Sr}$ ”**  
SARPÜN İ. H., OZDOĞAN 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
- XIV. **Neutron production cross-section calculations of  $^{111}\text{Cd}$  for (p,xn) reactions**  
KAPLAN A., ŞEKERCİ M., ÖZDOĞAN H.  
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Turkey, 20 - 22 April 2018, pp.127
- XV. **Comparison of penetrating distance calculations for magnetite and ordinary concrete**  
ÖZDOĞAN H., KAPLAN A., ŞEKERCİ M., KAPLAN A. N.  
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Turkey, 20 - 22 April 2018, pp.124
- XVI. **Photo-neutron cross section calculations of  $^{84}\text{Sr}$ ,  $^{86}\text{Sr}$ ,  $^{87}\text{Sr}$ ,  $^{88}\text{Sr}$**   
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
- XVII. **Total cross-section calculations of neutron induced reactions for some control rod materials used in nuclear reactors**  
ŞEKERCİ M., CAPALI V., ÖZDOĞAN H., KAPLAN A.  
Theoretical and Experimental Studies in Nuclear Applications and Technology, Adana, Turkey, 10 - 12 May 2017, pp.88
- XVIII. **Investigation of neutron and gamma induced reaction effects on  $\text{TiO}_2$  and  $\text{Al}_2\text{O}_3$  coated nickel used at nuclear reactors**  
CAPALI V., ŞEKERCİ M., ÖZDOĞAN H., KAPLAN A.  
Theoretical and Experimental Studies in Nuclear Applications and Technology, Adana, Turkey, 10 - 12 May 2017, pp.91

- XIX. **( $\gamma$ ,abs) cross-section calculations of some fusion structural materials**  
KAPLAN A., ŞEKERCİ M., ÖZDOĞAN H., ÇAPALI V.  
Theoretical and Experimental Studies in Nuclear Applications and Technology, Adana, Turkey, 10 - 12 May 2017, pp.77
- XX. **Production cross-section calculations of medical Tb isotopes**  
ÖZDOĞAN H., ŞEKERCİ M., ÇAPALI V., KAPLAN A.  
Theoretical and Experimental Studies in Nuclear Applications and Technology, Adana, Turkey, 10 - 12 May 2017, pp.90
- XXI. **Radiation effects on membrane proteins of voltage gated sodium channels**  
ÖZDOĞAN H., YARAŞ N., Kaplan A.  
Theoretical and Experimental Studies in Nuclear Applications and Technology, Adana, Turkey, 10 - 12 May 2017, pp.89
- XXII. **Production Cross Section of Medical  $^{177}\text{Lu}$  Using Neutron and Proton Induced Reactions**  
ŞEKERCİ M., ÇAPALI V., ÖZDOĞAN H., KAPLAN A.  
1st International Underground Resources and Energy Conference, 6 - 08 October 2016
- XXIII. **Effects of Mean Free Path Parameters for Reaction Cross Section Calculations**  
KAPLAN A., ÇAPALI V., ŞEKERCİ M., ÖZDOĞAN H.  
1st International Underground Resources and Energy Conference, 6 August - 08 October 2016
- XXIV. **Neutron Induced Cross Section Calculations for  $^{196}\text{Au}$   $^{198}\text{Au}$   $^{199}\text{Au}$   $^{200}\text{Hg}$  Isotopes**  
ÖZDOĞAN H., ŞEKERCİ M., ÇAPALI V., KAPLAN A.  
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016), Hatay, Turkey, 28 - 30 April 2016
- XXV. **Neutron Emission Spectra for  $^{208}\text{Pb}$  Target Nucleus**  
KAPLAN A., ÇAPALI V., ŞEKERCİ M., ÖZDOĞAN H.  
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016), 28 - 30 April 2016
- XXVI. **Cross Section Computations of  $^{238}\text{Pu}$   $^{242}\text{Pu}$  Nuclei Used as Nuclear Reactor Fuel Recycle Material**  
ŞEKERCİ M., ÇAPALI V., ÖZDOĞAN H., KAPLAN A.  
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016), Hatay, Turkey, 28 - 30 April 2016
- XXVII. **Geant4 Simulation of Nuclear Interactions for Some Polymers Used as Radiation Shielding Material**  
ÇAPALI V., ŞEKERCİ M., ÖZDOĞAN H., KAPLAN A.  
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016), Hatay, Turkey, 28 - 30 April 2016
- XXVIII. **Akciğer Tümörü İçin Foton Ve Proton Işın Tedavilerinin Geant4 Monte Carlo Yöntemiyle Karşılaştırmalı Benzetimi**  
ÇAPALI V., ŞEKERCİ M., ÖZDOĞAN H., DEMİR B., KAPLAN A.  
ADIM Fizik Günleri-V, Eskişehir, Turkey, 21 - 23 April 2016
- XXIX. **Nükleer Reaktörlerde Moderatör Malzeme Olarak Kullanılan Doğal Karbon Çekirdeği İçin Tesir Kesiti Hesaplamaları**  
ŞEKERCİ M., ÇAPALI V., ÖZDOĞAN H., KAPLAN A.  
ADIM Fizik Günleri-IV, Turkey, 28 - 29 May 2015
- XXX. **Zırhlama Malzemesi Olarak Kullanılan Ağır Beton Duvarların Radyasyon Geçirgenliği Geant4 Yazılımı İle İncelenmesi**  
KAPLAN A., ÇAPALI V., ÖZDOĞAN H., ŞEKERCİ M.  
ADIM Fizik Günleri-IV, Turkey, 28 - 29 May 2015
- XXXI. **Theoretical Calculations of Medical  $^{125}\text{I}$  Radionuclide Using  $\alpha$ , d, and  $\gamma$  Induced Reactions**  
DEMİR B., SARPÜN İ. H., ÇAPALI V., KAPLAN A., ÖZDOĞAN 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
- XXXII. **Particle Emission Spectra Produced by Proton Induced Reactions at 90 MeV for  $^{209}\text{Bi}$  Target**

## **Nucleus**

ÇAPALI V., ÖZDOĞAN H., KAPLAN A.

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

**XXXIII. 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., ÇAPALI V., KAPLAN A., ÖZDOĞAN 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

**XXXIV. 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

**XXXV. Fission cross section calculations for Bi-209 target nucleus based on fission reaction models in high energy regions**

KAPLAN A., ÇAPALI V., Ozdogan H.

International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT), Osmaniye, Turkey, 23 - 26 April 2015, vol.100

**XXXVI. Sulfur dioxide derivative prevents isoproterenol induced electrophysiological alterations**

YARAŞ N., ÖZDEMİR S., DALAMAN U., ÖZDOĞAN H.

Frontiers in Cardiovascular Biology, Barselona, Spain, 4 - 06 July 2014, pp.135

**XXXVII. Sulfur dioxide derivative prevents isoproterenol induced electrophysiological alterations**

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**XXXIX. Sulfur dioxide derivative prevents isoproterenol induced electrophysiological alterations**

YARAŞ N., ÖZDEMİR S., Dalaman U., Ozdogan H.

3rd Congress of the ESC-Council-on-Basic-Cardiovascular-Science on Frontiers in Cardio Vascular Biology, Barcelona, Spain, 4 - 06 July 2014, vol.103

**XL. Foton Girişli Reaksiyonlarda Bazı Nd İzotoplarının Tesir Kesiti Hesaplamaları ADIM Fizik Günleri III**

ÖZDOĞAN H., ÇAPALI V., Doğan S. S., KAPLAN A.

ADIM Fizik Günleri-III, Turkey, 17 - 18 April 2014

**XLI. Eriyik Tuz Reaktörlerinde Yakıt Malzemesi Olarak Kullanılan Na Çekirdeğinin Üretim Tesir Kesiti Hesaplamalar**

doğan s. s., ÖZDOĞAN H., ÇAPALI V., KAPLAN A.

ADIM Fizik Günleri-III, Turkey, 17 - 18 April 2014

**XLII. 15 MeV lik Siklotrona Üretilen Bazı Tıbbi Radyoizotopların Nötron Yayınlanma Spektrumlarının İncelenmesi**

KAPLAN A., Ergün Y., ÖZDOĞAN H.

ADIM Fizik Günleri-II, Turkey, 25 - 27 May 2012

**XLIII. Cross Section Calculations in Nucleon Induced Reactions for  $^{197}\text{Au}$  ADIM Fizik Günleri II**

ÖZDOĞAN H., KAPLAN A., Ergün Y.

ADIM Fizik Günleri-II, Turkey, 25 - 27 May 2012

**XLIV. Pre equilibrium and Equilibrium Emission in Nucleon Induced Reactions for Some Fusion Structural Materials**

ÖZDOĞAN H., KAPLAN A., Ergün Y.

ADIM Fizik Günleri-II, Denizli, Turkey, 25 - 27 May 2012

**XLV. Production Cross Sections of Medical  $^{123}\text{I}$  Radioisotope**

Ergün Y., KAPLAN A., ÖZDOĞAN H., Altunkök S. Ö.

28th International Physics Congress, Muğla, Turkey, 6 - 09 September 2011

**XLVI. Siklotronda Üretilen Gama yayıcı  $^{57}\text{Co}$  Radyoizotopu İçin Teorik Tesir Kesiti Hesaplamaları**

Altunkök S. Ö., KAPLAN A., Ergün Y., ÖZDOĞAN H.

28th International Physics Congress, 6 - 09 September 2011

**XLVII. Production Cross Section Calculations of Some Alkaline Earth Elements in Nucleon Induced Reactions**

ÖZDOĞAN H., KAPLAN A., Ergün Y., Altunkök S. Ö.

28th International Physics Congress, Muğla, Turkey, 6 - 09 September 2011

**XLVIII. Alpha Emissions in Nucleon Induced Reactions for  $^{27}\text{Al}$   $^{89}\text{Y}$   $^{90}\text{Zr}$  and  $^{133}\text{Cs}$  Target Nuclei**

KAPLAN A., ÖZDOĞAN H., Ergün Y., Altunkök S. Ö.

28th International Physics Congress, 6 - 09 September 2011

## Supported Projects

SARPÜN İ. H., ÖZDOĞAN H., Project Supported by Higher Education Institutions, Te-125 Çekirdeğinden Proton Gelişli Reaksiyonlar ile Radyoaktif I-123,124,125 Çekirdeklerinin Üretim Parametrelerinin Belirlenmesi, 2019 - 2020

## Metrics

Publication: 81

Citation (WoS): 159

Citation (Scopus): 157

H-Index (WoS): 6

H-Index (Scopus): 7

## Congress and Symposium Activities

International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2018), Antalya, Nisan 2018, Attendee, Antalya, Turkey, 2018

International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), Attendee, Adana, Turkey, 2017

Dalga ve Parçacık Tipi Radyasyon Etkileşimlerinde Monte Carlo Uygulamaları Kış Okulu, Attendee, Samsun, Turkey, 2017

International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016), Attendee, Turkey, 2016

28th International Physics Congress, Attendee, Muğla/Bodrum, Turkey, 2011