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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Akdeniz Üniversitesi, Sağlık Bilimleri Enstitüsü, Biyofizik, Türkiye 2014 - Devam Ediyor

Doktora, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye 2012 - 2018

Yüksek Lisans, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye 2010 - 2012

Lisans, Ankara Üniversitesi, Dijital Fabrika Teknolojileri Programı, Fizik, Türkiye 2004 - 2010

Yabancı Diller

İngilizce, B1 Orta

Yaptığı Tezler

Doktora, Fe, Zr, Nb ve Ag Füzyon Reaktörleri Yapısal Elementlerinin Tesir Kesitlerinin Nükleer Reaksiyon Modelleri

Kullanılarak İncelenmesi, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Fizik/Nükleer Fizik, 2018

Yüksek Lisans, BAZI AĞIR HEDEF ÇEKİRDEKLER İÇİN DENGİ VE DENGİ-ÖNCESİ ETKİLERİN TEORİK NÜKLEER MODELLER İLE İNCELENMESİ, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, 2012

Araştırma Alanları

Tıp, Sağlık Bilimleri, Temel Tıp Bilimleri, Biyofizik, Fizik, Nükleer Fizik, Temel Bilimler

Akademik Unvanlar / Görevler

Araştırma Görevlisi, Akdeniz Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri, 2013 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. Calculation of double differential neutron cross-sections of ^{56}Fe and ^{90}Zr isotopes
Özdoğan H., Üncü Y. A., Şekerci M., Kaplan A.
Applied Radiation and Isotopes, cilt.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, cilt.169, 2021 (SCI-Expanded)
- III. Production cross-section and reaction and yield calculations for I123-126 isotopes on Sb-123(alpha,xn) reactions

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KUWAIT JOURNAL OF SCIENCE, cilt.48, sa.2, 2021 (SCI-Expanded)

- IV. **Level density model effects on the production cross-section calculations of some medical isotopes via (α , xn) reactions where $x=1-3$**
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- 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**
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RADIOCHIMICA ACTA, cilt.108, sa.1, ss.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, cilt.34, sa.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**
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MOSCOW UNIVERSITY PHYSICS BULLETIN, cilt.74, sa.3, ss.277-281, 2019 (SCI-Expanded)
- IX. **A new developed semi-empirical formula for the (α , p) reaction cross-section at 19 +/- 1 MeV**
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- 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.
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- 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**
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- 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**
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- XIII. **Photon Induced Reaction Cross-Section Calculations of Several Structural Fusion Materials**
KAPLAN A., ŞEKERCİ M., ÇAPALI V., Ozdogan H.
JOURNAL OF FUSION ENERGY, cilt.36, sa.6, ss.213-217, 2017 (SCI-Expanded)
- XIV. **Computations of (α , xn) Reaction Cross-Section for 107,109Ag Coated Materials with Possible Application in Accelerators and Nuclear Systems**
KAPLAN A., ŞEKERCİ M., ÇAPALI V., Özdoğan H.
Journal of Fusion Energy, cilt.35, sa.4, ss.715-723, 2016 (SCI-Expanded)
- XV. **Neutron Production Cross-Section and Geant4 Calculations of the Structural Fusion Material Co-59 for (α , xn) and (γ , xn) Reactions**
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JOURNAL OF FUSION ENERGY, cilt.34, sa.3, ss.636-641, 2015 (SCI-Expanded)
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- Ozdogan H., ÇAPALI V., KAPLAN A.
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- XVII. **(γ , 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.
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- XVIII. **Photo-neutron cross-section calculations of $^{142,143,144,145,146,150}\text{Nd}$ rare-earth isotopes for (γ , n) reaction**
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- XIX. **(He-3 , xn) Reaction Cross-Section Calculations for the Structural Fusion Material Ta-181 in the Energy Range of 14-75 MeV**
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- XXI. **Deuteron-Induced Cross Section Calculations of Some Structural Fusion Materials**
KAPLAN A., Ozdogan H., Aydin A., Tel E.
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- 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, cilt.29, sa.1, ss.111-116, 2011 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Mamografi Sistemlerinde İlgili Alanı, Türev ve İnce Gruplama Seçimlerinin Modülasyon Transfer Fonksiyonunun Üzerine Etkileri**
ÜNCÜ Y. A., ÖZDOĞAN H.
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- II. **Charged Particle Penetration Distance and Mass Stopping Power Calculations on Some Nuclear Reactor Control Rod Materials**
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Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.12, sa.2, ss.1103-1115, 2019 (Hakemli Dergi)
- III. **$^{181}\text{Ta}(\alpha, xn)$ Reaksiyonu Tesir Kesitlerinin İncelenmesi**
ÖZDOĞAN H.
Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, cilt.13, sa.2, ss.54-66, 2018 (Hakemli Dergi)
- IV. **Füzyon Reaktörü Yapısal Malzemelerinde Kullanılan Bazı Elementler için Proton Girişli Reaksiyonlarda ^3He Yayınlanma Spektrumlarının İncelenmesi**
ÖZDOĞAN H., ŞEKERCİ M., KAPLAN A.
Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, cilt.13, sa.1, ss.12-18, 2018 (Hakemli Dergi)
- V. **Effects of Mean Free Path Parameters for Reaction Cross Section Calculations**
KAPLAN A., ÇAPALI V., ŞEKERCİ M., ÖZDOĞAN H.
Cumhuriyet Science Journal, cilt.37, 2016 (Hakemli Dergi)
- VI. **LiH Reaktör Moderatör Malzemesi İçin Hadronik Etkileşimlerin Geant4 Benzetimi**
ŞEKERCİ M., ÇAPALI V., ÖZDOĞAN H., KAPLAN A.
SDU Journal of Science, cilt.11, sa.2, ss.82-88, 2016 (Hakemli Dergi)
- VII. **Production Cross Section Calculations of Medical ^{177}Lu Using Neutron and Proton Induced**

Reactions

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

Cumhuriyet Science Journal, cilt.37, 2016 (Hakemli Dergi)

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.

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SÜLEYMAN DEMİREL ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, cilt.20, sa.2, ss.161-166, 2016 (Hakemli Dergi)

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, cilt.9, sa.2, ss.100-106, 2014 (Hakemli Dergi)

XI. **¹⁹⁷Au İçin Reaksiyon Tesir Kesiti Hesaplamaları**

ÖZDOĞAN H., KAPLAN A.

Süleyman Demirel University, Arts and Sciences Faculty, Journal of Science, cilt.8, sa.1, ss.82-91, 2013 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Production Cross-Section Calculations of ⁶²Cu via Charged Particles Induced Reactions**

ŞEKERCİ M., ÖZDOĞAN H.

28TH ANNUAL SYMPOSIUM HELLENIC NUCLEAR PHYSICS SOCIETY, 31 Mayıs - 01 Haziran 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 Mayıs - 01 Haziran 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 Nisan 2019

IV. **Modeling and analyzing Ca²⁺ 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 Mart 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 Eylül 2018

VI. **Double Differential Cross-Section Calculations for ²⁷Al(d,xn)**

ÖZDOĞAN H., ŞEKERCİ M.

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

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

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

3rd International Conference on Engineering Technology and Applied Sciences (ICETAS-2018), Skopje, Makedonya, 17 - 21 Temmuz 2018, ss.1

- VIII. **(n,p) reaction cross-section calculations of fission reactor control rod materials ^{107}Ag , $^{111},^{112},^{113}\text{Cd}$, ^{115}In**
ŞEKERCİ M., ÖZDOĞAN H., KAPLAN A.
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Türkiye, 20 - 22 Nisan 2018, ss.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, Türkiye, 20 - 22 Nisan 2018, ss.123
- X. **Deuteron induced reaction cross-section calculations for $^{107},^{109}\text{Ag}$, $^{151},^{153}\text{Eu}$ and ^{160}Gd isotopes**
KAPLAN A., ÖZDOĞAN H., ŞEKERCİ M.
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Türkiye, 20 - 22 Nisan 2018, ss.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, Türkiye, 20 - 22 Nisan 2018, ss.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, Türkiye, 20 - 22 Nisan 2018, ss.107
- XIII. **"Photo-neutron cross section calculations of $^{84},^{86},^{87},^{88}\text{Sr}$ "**
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, Türkiye, 20 - 22 Nisan 2018, ss.1
- XIV. **Neutron production cross-section calculations of ^{111}Cd for (p,xn) reactions**
KAPLAN A., ŞEKERCİ M., ÖZDOĞAN H.
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Türkiye, 20 - 22 Nisan 2018, ss.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, Türkiye, 20 - 22 Nisan 2018, ss.124
- XVI. **Photo-neutron cross section calculations of $^{84},^{86},^{87},^{88}\text{Sr}$**
SARPÜN İ. H., ÖZDOĞAN H., ŞEKERCİ M., KAPLAN A.
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- 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, Türkiye, 10 - 12 Mayıs 2017, ss.88
- XVIII. **Investigation of neutron and gamma induced reaction effects on TiO_2 and Al_2O_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, Türkiye, 10 - 12 Mayıs 2017, ss.91
- XIX. **(?,abs) cross-section calculations of some fusion structural materials**
KAPLAN A., ŞEKERCİ M., ÖZDOĞAN H., CAPALI V.
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- 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, Türkiye, 10 - 12 Mayıs 2017, ss.90
- XXI. **Radiation effects on membrane proteins of voltage gated sodium channels**
ÖZDOĞAN H., YARAŞ N., Kaplan A.
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- XXII. **Production Cross Section of Medical ^{177}Lu Using Neutron and Proton Induced Reactions**
ŞEKERCİ M., ÇAPALI V., ÖZDOĞAN H., KAPLAN A.
1St International Underground Resources and Energy Conference, 6 - 08 Ekim 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 Ağustos - 08 Ekim 2016
- XXIV. **Neutron Induced Cross Section Calculations for ^{196}Au , ^{198}Au , ^{199}Au , ^{200}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, Türkiye, 28 - 30 Nisan 2016
- XXV. **Neutron Emission Spectra for ^{208}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 Nisan 2016
- XXVI. **Cross Section Computations of ^{238}Pu , ^{242}Pu Nuclei Used as Nuclear Reactor Fuel Recycle Material**
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- XXVII. **Geant4 Simulation of Nuclear Interactions for Some Polymers Used as Radiation Shielding Material**
ÇAPALI V., ŞEKERCİ M., ÖZDOĞAN H., KAPLAN A.
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- 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.
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- XXIX. **Nükleer Reaktörlerde Moderatör Malzeme Olarak Kullanılan Doğal Karbon Çekirdeği İçin Tesir Kesiti Hesaplamaları**
ŞEKERCİ M., ÇAPALI V., ÖZDOĞAN H., KAPLAN A.
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- XXX. **Zırhlama Malzemesi Olarak Kullanılan Ağır Beton Duvarların Radyasyon Geçirgenliği Geant4 Yazılımı İle İncelenmesi**
KAPLAN A., ÇAPALI V., ÖZDOĞAN H., ŞEKERCİ M.
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- XXXI. **Theoretical Calculations of Medical ^{125}I Radionuclide Using α , d , and p Induced Reactions**
DEMİR B., SARPÜN İ. H., ÇAPALI V., KAPLAN A., ÖZDOĞAN H., AYDIN A., TEL E.
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- XXXII. **Particle Emission Spectra Produced by Proton Induced Reactions at 90 MeV for ^{209}Bi Target Nucleus**
ÇAPALI V., ÖZDOĞAN H., KAPLAN A.
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- 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., OZDOĞAN H., AYDIN A.
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- XXXIV. **Dosimetric Comparison of Tools Used in the Quality Assurance of Intensity Modulated Radiation Therapy A Phantom Study**
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- XXXV. **Fission cross section calculations for Bi-209 target nucleus based on fission reaction models in high energy regions**
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- XXXVI. **Sulfur dioxide derivative prevents isoproterenol induced electrophysiological alterations**
YARAŞ N., ÖZDEMİR S., DALAMAN U., ÖZDOĞAN H.
Frontiers in Cardiovascular Biology, Barselona, İspanya, 4 - 06 Temmuz 2014, ss.135
- XXXVII. **Sulfur dioxide derivative prevents isoproterenol induced electrophysiological alterations**
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- XL. **Foton Girişli Reaksiyonlarda Bazı Nd İzotoplarının Tesir Kesiti Hesaplamaları ADIM Fizik Günleri III**
ÖZDOĞAN H., ÇAPALI V., Doğan S. S., KAPLAN A.
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- XLI. **Eriyik Tuz Reaktörlerinde Yakıt Malzemesi Olarak Kullanılan Na Çekirdeğinin Üretim Tesir Kesiti Hesaplamalar**
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- XLII. **15 MeV lik Siklotrona Üretilen Bazı Tıbbi Radyoizotopların Nötron Yayınlanma Spektrumlarının İncelenmesi**
KAPLAN A., Ergün Y., ÖZDOĞAN H.
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- XLIII. **Cross Section Calculations in Nucleon Induced Reactions for ¹⁹⁷Au ADIM Fizik Günleri II**
ÖZDOĞAN H., KAPLAN A., Ergün Y.
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- XLIV. **Pre equilibrium and Equilibrium Emission in Nucleon Induced Reactions for Some Fusion Structural Materials**
ÖZDOĞAN H., KAPLAN A., Ergün Y.
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- XLV. **Production Cross Sections of Medical ¹²³I Radioisotope**
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- XLVI. **Siklotrona Üretilen Gama yayıcı ⁵⁷Co Radyoizotopu İçin Teorik Tesir Kesiti Hesaplamaları**
Altunkök S. Ö., KAPLAN A., Ergün Y., ÖZDOĞAN H.

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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, Türkiye, 6 - 09 Eylül 2011

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

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

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Desteklenen Projeler

SARPÜN İ. H., ÖZDOĞAN H., Yükseköğretim Kurumları Destekli Proje, Te-125 Çekirdeğinden Proton Gelişli Reaksiyonlar ile Radyoaktif I-123,124,125 Çekirdeklerinin Üretim Parametrelerinin Belirlenmesi, 2019 - 2020

Metrikler

Yayın: 81

Atıf (WoS): 159

Atıf (Scopus): 157

H-İndeks (WoS): 6

H-İndeks (Scopus): 7

Kongre ve Sempozyum Katılımı Faaliyetleri

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

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

Dalga ve Parçacık Tipi Radyasyon Etkileşimlerinde Monte Carlo Uygulamaları Kış Okulu, Katılımcı, Samsun, Türkiye, 2017

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

28th International Physics Congress, Katılımcı, Muğla/Bodrum, Türkiye, 2011