

Assoc. Prof. CANER YALÇIN



Personal Information

Email: caner.yalcin@kocaeli.edu.tr

Web: <http://www.researcherid.com/rid/B-1881-2009>



International Researcher IDs

ScholarID: vfl02GgAAAAJ

ORCID: 0000-0002-3105-7267

Publons / Web Of Science ResearcherID: B-1881-2009

Yoksis Researcher ID: 45745

Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2004 - 2010

Postgraduate, Celâl Bayar Üniversitesi, Fen Bilimleri Enstitüsü, Kathal Fiziği (YI) (Tezli),
Turkey 2000 - 2003

Undergraduate, Celâl Bayar Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey
1996 - 2000

Foreign Languages

English, C1 Advanced

Hungarian, A1 Beginner

Dissertations

Doctorate, In-113'ün alfa yakalama reaksiyonu ve nükleer astrofizikteki yeri, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), 2010

Postgraduate, Manyetik mineraller kullanılarak Gediz Nehri civarındaki çevresel kirliliğin belirlenmesi, Celâl Bayar Üniversitesi, Fen Bilimleri Enstitüsü, Kathal Fiziği (YI) (Tezli), 2003

Research Areas

Physics, Nuclear physics, General Nuclear Reactions, Properties of Nuclei, Nuclear Structure, Special nuclear reactions, Radioactive decay and in-beam spectroscopy, Natural Sciences

Academic Titles / Tasks

Associate Professor, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2019 - Continues

Research Assistant PhD, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2010 - 2019

Research Assistant, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2005 - 2010

Research Assistant, Celâl Bayar Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2000 - 2003

Academic and Administrative Experience

Vice Dean, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2023 - Continues
Fakülte Kurulu Üyesi, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2022 - Continues
Deputy Head of Department, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2021 - Continues
Adaptation/Exemption Committee Member, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2018 - Continues

Courses

Nükleer Fizik Laboratuvarı, Undergraduate, 2022 - 2023, 2021 - 2022
Nükleer Fizikte Deneysel Teknikler II, Doctorate, 2022 - 2023, 2021 - 2022
Fizik I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Nükleer Fizikte Deneysel Teknikler I, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Physics II, Undergraduate, 2022 - 2023, 2021 - 2022
NÜKLEER FİZİK, Undergraduate, 2018 - 2019
Nükleer Fizik, Undergraduate, 2017 - 2018

Advising Theses

Yalçın C., BİNALARDА YAPI MALZEMELERİNDEN KAYNAKLI RADON GAZI TAHMİNİ, Postgraduate,
S.BAŞDEMİR(Student), 2023
Yalçın C., Sanal nükleer fizik laboratuvarı: Geiger-Müller dedektörü ile deneyler, Postgraduate, Ş.DENİZ(Student), 2023

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Kocaeli Üniversitesi, January, 2022
Doctorate, Doctorate, Kocaeli Üniversitesi, February, 2020
Post Graduate, Post Graduate, Kocaeli Üniversitesi, July, 2019
Post Graduate, Post Graduate, Kocaeli Üniversitesi, July, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of the $^{121}\text{Sb}(\alpha,\gamma)^{125}\text{I}$ reaction cross-section calculations at astrophysical energies**
Eroğlu M., Yalçın C., Güray R. T.
Nuclear Science and Techniques, vol.34, no.11, 2023 (SCI-Expanded)
- II. **Investigation of alpha-induced reactions on Sb isotopes relevant to the astrophysical gamma process**
Korkulu Z., Ozkan N., Kiss G. G., Szucs T., Gyurky G., Fulop Z., Güray R. T., Halasz Z., Rauscher T., Somorjai E., et al.
PHYSICAL REVIEW C, vol.97, no.4, 2018 (SCI-Expanded)
- III. **Proton capture reaction cross section measurements on Er-162 as a probe of statistical model calculations**
Ozkan N., GÜRAY R. T., YALÇIN C., Tan W. P., Aprahamian A., Beard M., deBoer R. J., Almaraz-Calderon S., Falahat S., Gorres J., et al.
PHYSICAL REVIEW C, vol.96, no.4, 2017 (SCI-Expanded)
- IV. **The cross section calculation of $\text{Sn-112}(\alpha,\gamma)\text{Te-116}$ reaction with different nuclear models at the astrophysical energy range**
Yalçın C.
NUCLEAR SCIENCE AND TECHNIQUES, vol.28, no.8, 2017 (SCI-Expanded)

- V. **α scattering and α -induced reaction cross sections of Zn at low energies**
 ORNELAS A., MOHR P., Gyurky G., ELEKES Z., Fulop Z., Halasz Z., Kiss G. G., SOMORJAI E., Szucs T., Takacs M. P., et al.
PHYSICAL REVIEW C, no.5, 2016 (SCI-Expanded)
- VI. **Measurements of $Gd-152(p,\gamma)Tb-153$ and $Gd-152(p, n)Tb-152$ reaction cross sections for the astrophysical gamma process**
 GÜRAY R. T., Ozkan N., YALÇIN C., Rauscher T., Gyuerky G., FARKAS J., Fueloep Z., HALÁSZ Z., SOMORJAI E.
PHYSICAL REVIEW C, vol.91, no.5, 2015 (SCI-Expanded)
- VII. **Test of statistical model cross section calculations for alpha-induced reactions on $Ag-107$ at energies of astrophysical interest**
 YALÇIN C., Gyuerky G., Rauscher T., Kiss G. G., Ozkan N., GÜRAY R. T., HALÁSZ Z., Szucs T., Fueloep Z., FARKAS J., et al.
PHYSICAL REVIEW C, vol.91, no.3, 2015 (SCI-Expanded)
- VIII. **High precision $In-113(\alpha, \alpha)In-113$ elastic scattering at energies near the Coulomb barrier for the astrophysical γ process**
 Kiss G. G., MOHR P., Fueloep Z., RAUSCHER T., Gyuerky G., SZUECS T., HALASZ Z., SOMORJAI E., ORNELAS A., YALÇIN C., et al.
PHYSICAL REVIEW C, no.4, 2013 (SCI-Expanded)
- IX. **Measurement of $Te-120(\alpha, n)$ cross sections relevant to the astrophysical p process**
 Palumbo A., Tan W. P., Goerres J., Wiescher M., Ozkan N., GÜRAY R. T., YALÇIN C.
PHYSICAL REVIEW C, vol.85, no.2, 2012 (SCI-Expanded)
- X. **$Cd-110, Cd-116(\alpha, \alpha)Cd-110, Cd-116$ elastic scattering and systematic investigation of elastic a scattering cross sections along the $Z=48$ isotopic and $N=62$ isotonic chains**
 Kiss G. G., MOHR P., Fueloep Z., Gyuerky G., ELEKES Z., FARKAS J., SOMORJAI E., Yalcin C., GALAVIZ D., GÜRAY R. T., et al.
PHYSICAL REVIEW C, vol.83, no.6, 2011 (SCI-Expanded)
- XI. **Alpha-induced reaction cross section measurements on $Eu-151$ for the astrophysical gamma-process**
 Gyuerky G., Elekes Z., Farkas J., Fueloep Z., Halasz Z., Kiss G. G., Somorjai E., Szucs T., GÜRAY R. T., Ozkan N., et al.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.37, no.11, 2010 (SCI-Expanded)
- XII. **Measurement of embedded $As-74$ decay branching ratio at low temperatures**
 FARKAS J., GYURKY G., Yalcin C., ELEKES Z., KISS G. G., FULOP Z., SOMORJAI E., VAD K., HAKL J., MESZAROS S.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.36, no.10, 2009 (SCI-Expanded)
- XIII. **Measurements of proton-induced reaction cross sections on $Te-120$ for the astrophysical p process**
 Güray R. T., Ozkan N., Yalçın C., Palumbo A., Deboer R., Gorres J., Leblanc P. J., O'brien S., Strandberg E., Tan W. P., et al.
PHYSICAL REVIEW C, vol.80, no.3, 2009 (SCI-Expanded)
- XIV. **Odd p isotope $In-113$: Measurement of alpha-induced reactions**
 Yalcin C., GÜRAY R. T., Ozkan N., KUTLU S., Gyurky G., FARKAS J., Kiss G. G., Fulop Z., SİMON A., SOMORJAI E., et al.
PHYSICAL REVIEW C, vol.79, no.6, 2009 (SCI-Expanded)
- XV. **Investigation of $(74)As$ decay branching ratio dependence on the host material**
 Gyurky G., FARKAS J., Yalcin C., Kiss G. G., ELEKES Z., Fulop Z., SOMORJAI E.
EPL, vol.83, no.4, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Radon Gas Estimation from Building Materials**
 Başdemir S., YALCIN C.
 Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.27, no.4, pp.858-864, 2023 (Peer-Reviewed Journal)
- II. **İnce Katman Aktivasyon Yöntemi için $48Ti(a,n)51Cr$ Reaksiyon Tesir Kesiti Hesab**
 YALÇIN C.
 Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.17, pp.432-439, 2017 (Peer-Reviewed)

Refereed Congress / Symposium Publications in Proceedings

- I. **Determination of Levels of Artificial Radioactive Cs-137 Dose in Various Soil Samples in Dilovası-Kocaeli**
Günay O., Yalçın C., Güray R. T., Yetkin T.
10th INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING, Antalya, Turkey, 27 - 30 November 2023, pp.228
- II. **Analyzing Proton Capture Reactions on Gadolinium for Medical Applications**
Güray R. T., Yalçın C.
6. INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Antalya, Turkey, 2 - 05 November 2023, pp.45
- III. **Investigating Alpha-induced Reactions on 151Eu Isotope**
Güray R. T., Yalçın C.
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Antalya, Turkey, 2 - 05 November 2023, pp.47
- IV. **Determination of Artificial Radioactive Cs-137 Dose Level in Some Soil Samples in Darıca**
Günay O., Yalçın C., Güray R. T.
6th International Conference on Sustainable Sciences and Technology, İstanbul, Turkey, 14 - 16 July 2023, pp.97
- V. **Virtual Nuclear Physics Laboratory: Experiment with The Geiger-Müller Detector**
Dereli Ş., Akbıyık B., Yalçın C., Güray R. T.
Turkish Physical Society 37th International Physics Congress, Muğla, Turkey, 01 September 2021, vol.3, pp.118-121
- VI. **Simulation of Charged Particle Reaction Cross Section Measurement with Activation Method**
Akbıyık B., Güray R. T., Dereli Ş., Yalçın C.
Turkish Physical Society 37th International Physics Congress, Muğla, Turkey, 01 September 2021, vol.3, pp.114-117
- VII. **Half-life measurement for element synthesis in nuclear astrophysics**
YALÇIN C., ÖKSÜZ İ., GÜRAY R. T., ÖZKAN GÜRAY N.
Turkish Physical Society 33TH International Physics Congress, 6 - 10 September 2017
- VIII. **PROTON CAPTURE REACTION CROSS SECTION MESARUMENTS ON 114SN, 115SN AND 116SN ISOTOPES**
Kutlu S., ÖZKAN GÜRAY N., GÜRAY R. T., YALÇIN C., Tan W., Beard M., Best A., Deboer R., Couder M., Falahat S., et al.
Turkish Physical Society 33TH International Physics Congress, 6 - 10 September 2017
- IX. **Measurement of charged particle induce reaction on proton-rich nuclei"**
GÜRAY R. T., YALÇIN C., EROĞLU M., ÖZKAN GÜRAY N.
Turkish Physical Society 33TH International Physics Congress, 6 - 10 September 2017
- X. **Experimental cros section investigation of Sn isotopes for the astrophysical p-process in COST/CHETEC**
Özkan Güray N., Yalçın C., Güray R. T.
Turkish Physical Society 33TH International Physics Congress, Muğla, Turkey, 6 - 10 September 2017
- XI. **Theoretical Cross Section Calculation of the Sn-112(alpha,gamma)Te-116 Reaction for the Astrophysical P Process**
YALÇIN C.
32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 September 2016, vol.1815
- XII. **Data Needs for the Theoretical Calibration Curve of Thin Layer Activation Method**
YALÇIN C.
1th INTERNATIONAL CONFERENCE ON ADVANCES IN AUTOMOTIVE TECHNOLOGIES, 11 - 14 October 2016

- XIII. **MEASUREMENT OF NATURAL AND ^{137}CS RADIOACTIVITY AT İZMİT BAY IN KOCAELİ TURKEY**
 ÖKSÜZ İ., GÜRAY R. T., ÖZKAN GÜRAY N., YALÇIN C., ERGÜL H. A., AKSAN S.
 9th International Physics Conference of the Balkan Physical Union, 4 - 06 August 2015
- XIV. **Investigation of Alpha Induced Reaction on ^{107}Ag at Astrophysical Energies**
 YALÇIN C., ÖZKAN GÜRAY N., GÜRAY R. T., GYURKY G., KİSS G., FARKAS J., SZÜCS T., HALASZ Z., FULOP Z., SOMORJAI E.
 Nuclear Physics in Astrophysics (NPA6) Conference, 19 - 24 May 2013
- XV. **Alpha captured reaction cross section measurements on Sb isotopes by using activation method with g ray and X ray countings**
 KORKULU Z., KİSS G., SZÜCS T., FULOP Z., GÜRAY R. T., GYURKY G., HALASZ Z., SOMORJAI E., YALÇIN C.
 Nuclear Physics in Astrophysics Conference (NPA6), 19 - 24 May 2013
- XVI. **Investigation of Alpha Induced Reactions on ^{107}Ag at Astrophysical Energies**
 YALÇIN C., ÖZKAN GÜRAY N., GÜRAY R. T., Gyürky G., Kiss G. G., Szücs T., Halasz Z., Fülöp Z., Farkas J., Somorjai E., et al.
 Nuclear Physics in Astrophysics VI, 19 - 24 May 2013, vol.665, pp.12043
- XVII. **Measurement Of Natural And Cs-137 Radioactivity Concentrations At Izmit Bay (Marmara Sea), Turkey**
 Öksüz İ., Güray R. T., Ozkan N., Yalçın C., Ergül H. A., Aksan S.
 9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015, vol.1722
- XVIII. **Alpha capture reaction cross section measurements on Sb isotopes by activation method**
 KORKULU Z., ÖZKAN N., Kiss G. G., Szuecs T., Fueloep Z., GÜRAY R. T., Gyuerky G., HALÁSZ Z., SOMORJAI E., Toeroek Z., et al.
 6th Nuclear Physics in Astrophysics Conference (NPA), Lisbon, Portugal, 19 - 24 May 2013, vol.665
- XIX. **High precision elastic α scattering on the even-odd ^{115}In nucleus at low energies**
 Kiss G. G., Szuecs T., MOHR P., Fueloep Z., Gyuerky G., HALASZ Z., Soha R. F., SOMORJAI E., Ornelas A., Galayiz D., et al.
 6th Nuclear Physics in Astrophysics Conference (NPA), Lisbon, Portugal, 19 - 24 May 2013
- XX. **DETERMINATION OF RADON CONCENTRATION AT YAHYA KAPTAN DISTRICT IN KOCAELİ**
 KARATAY K., ÖZKAN GÜRAY N., GÜRAY R. T., YALÇIN C.
 9th International Physics Conference of the Balkan Physical Union, 24 - 27 August 2015
- XXI. **Thickness measurement using alpha spectroscopy and SRIM**
 Yalcin C.
 1st NUBA International Conference on Nuclear Physics and Astrophysics, Antalya, Turkey, 14 - 21 September 2014, vol.590
- XXII. **Half-life measurements of the ^{144}Pm isotope with γ -spectroscopy**
 YALÇIN C., Gyuerky G., HALASZ Z., Szuecs T., Gueray R. T., Kiss G. G., Fueloep Z., Oezkan N., SOMORJAI E.
 1st NUBA International Conference on Nuclear Physics and Astrophysics, Antalya, Turkey, 14 - 21 September 2014
- XXIII. **Alpha Scattering Experiment On ^{64}Zn And The Low Energy Alpha Nucleus Optical Potential**
 ORNELAS A., GALAVİZ D., GYURKY G., KİSS G., FULOP Z., SOMORJAI E., SZÜCS T., TAKACS M., MOHR P., GÜRAY R. T., et al.
 Proceedings of Science, 7 - 11 July 2014
- XXIV. **Elastic scattering and the Family Problem on ^{64}Zn ^{106}Cd and ^{113}In**
 ORNELAS A., GALAVİZ D., GYURKY G., FULOP Z., KİSS G., HALASZ Z., SZÜCS T., SOMORJAI E., MP T., MORH P., et al.
 Nuclear Physics in Astrophysics Conference, 19 - 24 May 2013
- XXV. **Elastic a scattering and the Family Problem on ^{64}Zn and ^{106}Cd**
 ORNELAS A., GALAVİZ D., GYURKY G., FULOP Z., KİSS G., HALASZ Z., SZÜCS T., SOMORJAI E., MP T., MORH P., et al.
 Open problems and future directions in heavy element nucleosynthesis, 10 - 12 April 2013
- XXVI. **Elastic alpha scattering experiment on ^{64}Zn**
 KORKULU Z., KİSS G., SZÜCS T., FULOP Z., GÜRAY R. T., GYURKY G., HALASZ Z., SOMORJAI E., YALÇIN C.
 Open problems and future directions in heavy element nucleosynthesis, 10 - 12 April 2013

- XXVII. **$^{121}\text{Sb}(\alpha,\gamma)^{125}\text{I}$, $^{121}\text{Sb}(\alpha,n)^{124}\text{I}$ and $^{123}\text{Sb}(\alpha,n)^{126}\text{I}$ cross section measurements at the astrophysical energies**
 Korkulu Z., ÖZKAN GÜRAY N., Kiss G., Szücs T., Fülöp Z., GÜRAY R. T., Gyürky G., Halasz Z., Somorjai E., YALÇIN C.
 A EuroGENESIS workshop: Open problems and future directions in heavy element nucleosynthesis, 10 - 12 April 2013
- XXVIII. **$^{121}\text{Sb}(a,g)^{125}\text{I}$ $^{121}\text{Sb}(a,n)^{124}\text{I}$ and $^{123}\text{Sb}(a,n)^{126}\text{I}$ cross section measurements at the astrophysical energies**
 KORKULU Z., KİSS G., SZÜCS T., FULOP Z., GÜRAY R. T., GYURKY G., HALASZ Z., SOMORJAİ E., YALÇIN C.
 Open problems and future directions in heavy element nucleosynthesis, 10 - 12 April 2013
- XXIX. **Cross Section Measurements of $^{107}\text{Ag}(a,g)^{111}\text{In}$ and $^{107}\text{Ag}(a,n)^{110}\text{In}$ Reactions Close to the Astrophysical Energy Range**
 YALÇIN C., ÖZKAN GÜRAY N., GÜRAY R. T., Korkulu Z., Gyürky G., Kiss G., Farkas J., Szücs T., Halasz Z., Fülöp Z., et al.
 2nd European Nuclear Physics Conference- EuNPC 2012, 10 - 21 September 2012
- XXX. **Cross Section Measurements of $^{107}\text{Ag}(a,g)^{111}\text{In}$ and $^{107}\text{Ag}(a,n)^{110}\text{In}$ Reactions Close to the Astrophysical Energy Range**
 YALÇIN C., ÖZKAN GÜRAY N., GÜRAY R. T., GYURKY G., KİSS G., FARKAS J., SZÜCS T., HALASZ Z., FULOP Z., SOMORJAİ E.
 2nd European Nuclear Physics Conference, 17 - 21 September 2012
- XXXI. **Investigating the variation of elastic alpha scattering cross sections in the $A \approx 100$ region**
 KİSS G., MORH P., FULOP Z., GYURKY G., ELEKES Z., FARKAS J., SOMORJAİ E., GALAVİZ D., GÜRAY R. T., ÖZKAN GÜRAY N., et al.
 Journal of Physics: Conference Series, 3 - 08 April 2011, pp.12029
- XXXII. **Investigating the variation of elastic alpha scattering cross sections in the $A \approx 100$ region**
 Kiss G. G., Mohr P., Fueloep Z., Gyuerky G., Elekes Z., Farkas J., Somorjai E., Galaviz D., Guray R. T., Ozkan N., et al.
 5th Biannual Conference on Nuclear Physics in Astrophysics (NPA)/24th Nuclear Physics Divisional Conference of the European-Physical-Society (EPS), Eilat, Israel, 3 - 08 April 2011
- XXXIII. **Determination Of Natural Radioactivity Levels Of Beach Sand Samples In the Black Sea Coast Of Kocaeli**
 Korkulu Z., Özkan Güray N., Güray R. T., Yalçın C., Dikme E., Ergül H. A.
 Turkish Physical Society 28TH International Physics Congress, İstanbul, Turkey, 6 - 09 September 2011
- XXXIV. **Proficiency Test of The Gamma Spectrometry Laboratory At Kocaeli University**
 DİKME E., GÜRAY R. T., ÖZKAN GÜRAY N., YALÇIN C., KORKULU Z.
 Turkish Physical Society 28TH International Physics Congress, Bodrum, Turkey, 6 - 09 September 2011
- XXXV. **Proton capture reaction cross section measurements on ^{162}Er for the astrophysical γ -process**
 ÖZKAN GÜRAY N., GÜRAY R. T., YALÇIN C., Kutlu S., Tan W. P., Falahat S., Almaraz Calderon S., deBOer R., Sonnabend K., Sauerwein A., et al.
 11th Symposium on Nuclei in the Cosmos, 19 - 23 July 2010
- XXXVI. **$^{152}\text{Gd}(p,g)^{153}\text{Tb}$ reaction cross section measurement for the astrophysical p-process**
 GÜRAY R. T., ÖZKAN GÜRAY N., YALÇIN C., Korkulu Z., Gyürky G., Farkas J., Fülöp Z., Halasz Z., A S., Somorjai E., et al.
 11th Symposium on Nuclei in the Cosmos, 19 - 23 July 2010
- XXXVII. **$^{152}\text{Gd}(p,g)^{153}\text{Tb}$ reaction cross section measurement for the astrophysical p process**
 ÖZKAN GÜRAY N., GÜRAY R. T., YALÇIN C., TAN W., APRAHAMİAM A., BEARD M., DEBOER R., GÖRRES J., Lİ Q., STACH E., et al.
 11th International Symposium on Nuclei in the Cosmos, 19 - 23 July 2010
- XXXVIII. **Proton capture reaction cross section measurements on ^{162}Er for the astrophysical gamma process**
 ÖZKAN GÜRAY N., GÜRAY R. T., YALÇIN C., KUTLU S., TAN W., FALAHAT S., CALDERON S., DEBOER R., Lİ Q., SONNABEND K., et al.
 11th International Symposium on Nuclei in the Cosmos, 19 July 2010 - 23 July 2009
- XXXIX. **Alpha induced reactions for the astrophysical p process the case of ^{151}Eu**
 GYURKY G., ELEKES Z., FARKAS J., FULOP Z., KİSS G., SOMORJAİ E., SZÜCS T., GÜRAY R. T., ÖZKAN GÜRAY N., YALÇIN C.

- Journal of Physics: Conference Series, 8 - 12 June 2009, pp.12004
- XL. **Alpha-induced reactions for the astrophysical p-process: the case of Eu-151**
 Gyuerky G. Y., Elekes Z., Farkas J., Fueloep Z. S., Kiss G. G., Somorjai E., Szucs T., GÜRAY R. T., Ozkan N., YALÇIN C., et al.
 4th International Conference on Nuclear Physics in Astrophysics, Frascati, Italy, 8 - 12 June 2009, vol.202
- XLI. **113In(α, α)117Sb ve 113In(α, n)116Sb reaksiyonlarının tesir kesitlerinin ölçümü ve astrofizikteki yeri**
 YALÇIN C., GÜRAY R. T., ÖZKAN GÜRAY N., Kutlu S., Gyürky G., Farkas J., Kiss G., Fülöp Z., A S., Rauscher T., " X. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, Turkey, 6 - 09 October 2009
- XLII. **120Te(p, α)121I ve 120Te(p, n)120I reaksiyonlarının astrofiziksels S-faktör ölçümleri**
 GÜRAY R. T., ÖZKAN GÜRAY N., YALÇIN C., Goerres J., deBOer R., Palumbo A., Tan W. P., Wiesher M. C., Fülöp Z., Somorjai E., et al.
 X. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, Turkey, 6 - 09 October 2009
- XLIII. **120Te(p, g)121I ve 120Te(p, n)120I reaksiyonlarının astrofiziksels S faktör ölçümleri**
 KİSS G., GALAVİZ D., GYURKY G., ELEKES Z., FULOP Z., SOMORJAI E., ZİGLES A., MORH P., GÖRRES J., WIESCHER M., et al.
 X. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, Turkey, 6 - 09 October 2009, vol.2, pp.95-102
- XLIV. **Sistematik proton ve alfa yakalama reaksiyon tesir kesit ölçümleri**
 KİSS G., GALAVİZ D., GYURKY G., ELEKES Z., FULOP Z., SOMORJAI E., ZİGLES A., MORH P., GÖRRES J., WIESCHER M., et al.
 X. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, Turkey, 6 - 09 October 2009, vol.2, pp.49-58
- XLV. **113In(a, g)117Sb ve 113In(a, n)116Sb reaksiyonlarının tesir kesitlerinin ölçümü ve astrofizikteki yeri**
 YALÇIN C., GÜRAY R. T., ÖZKAN GÜRAY N.
 X. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, Muğla, Turkey, 6 - 09 October 2009, vol.2, pp.103-112
- XLVI. **Temperature dependence of beta and beta EC decay branching ratio of embedded 74As**
 FARKAS J., GYURKY G., YALÇIN C., ELEKES Z., KİSS G., FULOP Z., SOMORJAI E., VAD K., HAKL J., MESZAROS S.
 Spring meeting of the DPG Division Hadronic and Nuclear Physics (HK) and EPS European Nuclear Physics Conference, 16 - 20 March 2009
- XLVII. **Astrophysical S Factor for alpha Capture of 113In in the p Process Energy Range**
 YALÇIN C., GÜRAY R. T., ÖZKAN GÜRAY N., S Kutlu, Gy Gyürky, J Farkas, G G Kiss, Zs Fülöp, T Rauscher, a. E. S. American Institute of Physics (AIP), 25 - 29 August 2008, pp.631
- XLVIII. **Measurements of alpha capture on 113In reactions relevant to the astrophysical p process**
 GÜRAY R. T., YALÇIN C., ÖZKAN GÜRAY N., KUTLU S., GYURKY G., FARKAS J., KİSS G., FULOP Z., SOMORJAI E.
 Proceedings of Science, 27 July - 01 August 2008, pp.92
- XLIX. **Study of 74As decay in different host materials**
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LVIII. **Frequency Dependent Susceptibility Measurements in Environmental Applications**

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Supported Projects

Günay O., Yalçın C., Serbes G., Cantürk İ., Ersoy Ş., Akkurt İ., Saç M. M., Taşköprü C., İchedef M., TUBITAK Project, Kuzey Anadolu Fay Zonunun İstanbul-Adalar Segmentindeki Anadolu ve Avrasya Levhalarında Radon Gaz Konsantrasyonları ile Sismik Aktiviteler Arasındaki İlişkinin Yapay Zeka ile Modellemesi, 2023 - 2026

Yalçın C., Günay O., TUBITAK Project, Kahramanmaraş Depremleri Sonrası Radon Gaz Konsantrasyonları Ve Difüzyon Katsayısının Belirlenmesi, 2023 - 2023

Yalçın C., Günay O., TUBITAK Project, Deprem Sonrası Radon Gaz Seviyelerinin Belirlenmesi, 2023 - 2023
YALÇIN C., DENİZ Ş., Project Supported by Higher Education Institutions, Sanal Nükleer Fizik Laboratuvarı: Geiger-Müller Dedektörü ile Deneyleş, 2021 - 2023

Yalçın C., Güray R. T., Özkan Güray N., TUBITAK Project, Pm 143 Ve Pm 144 Izotoplarının Duyarlı Yarı Ömür Ölçümleri, 2015 - 2017

Özkan N., Pekey B., Ergül H. A., Güray R. T., Yalçın C., Aksan S., Eşme A., Project Supported by Higher Education Institutions, Yaşayan ve Yaşatan Bir Gölcük için Çevresel Durum Analizi, 2014 - 2016

Güray R. T., Yalçın C., EU Supported Other Project, EUROCORES - EUROGENESIS: Massive Stars as Agents of Chemical Evolution, 2010 - 2013

Özkan N., Güray R. T., TUBITAK Project, P prosesle ilgili A 112 izotopların yüklü parçacık yakalama reaksiyon tesir kesitlerinin ölçümleri, 2008 - 2010

Memberships / Tasks in Scientific Organizations

European Physical Society (EPS), Member, 2012 - Continues

Türk Fizik Derneği (TFD), Member, 2012 - Continues

Scientific Refereeing

NUCLEAR TECHNOLOGY, SCI Journal, July 2023

Sakarya University Journal of Science, National Scientific Refreed Journal, January 2019

Sakarya University Journal of Science, National Scientific Refreed Journal, September 2017

Journal of Engineering and Technological Sciences, Other Indexed Journal, April 2016

TUBITAK Project, April 2012

Mobility Activity

Post Doc, Post Doc, Macar Bilimler Akademisi Nükleer Fizik Araştırma Enstitüsü (ATOMKİ), Hungary, 2012 - 2013

Erasmus Programme, Faculty Exchange, University of Debrecen, Hungary, 2010 - 2010

Erasmus Programme, Research During Graduate Education, Macar Bilimler Akademisi Nükleer Fizik Araştırma Enstitüsü (ATOMKİ), Hungary, 2007 - 2008

Research Scholarship Program, Guest Researcher, University of Notre Dame, United States Of America, 2007 - 2007

Metrics

Publication: 76

Citation (WoS): 315

Citation (Scopus): 308

H-Index (WoS): 11

H-Index (Scopus): 10

Congress and Symposium Activities

“Türk Fizik Derneği 33. Uluslararası Fizik Kongresi”, Bodrum, Muğla, Turkey, 6-10 Eylül, 2017., Attendee, Muğla, Turkey, 2017

“International Conference on Advance in Automotive Technologies”, İstanbul, Turkey, 11-14 October, 2016., Attendee, İstanbul, Turkey, 2016

“Türk Fizik Derneği 32. Uluslararası Fizik Kongresi”, Bodrum, Muğla, Turkey, 6-9 Eylül, 2016., Attendee, Muğla, Turkey, 2016

“NUBA Conference Series-1: Nuclear Physics and Astrophysics”, Antalya, Turkey, 15-21 September, 2014., Attendee, Antalya, Turkey, 2014

“Nuclear Physics in Astrophysics (NPA6) Conference”, Lisboa, Portugal, 19-24 May, 2013., Attendee, Lisbon, Portugal, 2013

“Open problems and future directions in heavy element nucleosynthesis”, Debrecen, Hungary, 10 – 12 April, 2013., Attendee, Debrecen, Hungary, 2013

Second European Nuclear Physics Conference (EuNPC-2012)”, Bucharest, Romania, 16-21 September 2012., Attendee, Bucuresti, Romania, 2012

“Statistics and uncertainty determination for radionuclide application”, TUBITAK-UME, TAEK, JRC-IRMM, İzmir, Türkiye, 3-5 July, 2012., Attendee, İzmir, Turkey, 2012

9. “p-process: present status and outlook”, JINA and Kocaeli University, İstanbul, Türkiye, 25-27 May, 2011., Attendee, İstanbul, Turkey, 2011

“10. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi”, Muğla, Türkiye, 6-9 Ekim, 2009., Attendee, Muğla, Turkey, 2009
“TAEK İle Üniversiteler Arasında Çevresel Radyoaktivitenin Belirlenmesi Ve İzlenmesine Yönelik İş Birliği Projesi Birinci Çalıştayı”, Türkiye Atom Enerjisi Kurumu, Ankara, Türkiye, 20-22 May, 2009., Attendee, Ankara, Turkey, 2009

“The Thirteenth International Symposium on Capture Gamma-Ray Spectroscopy and Related Topics”, Cologne, Germany, 25-29 August, 2008., Attendee, Cologne, Germany, 2008

5. “JINA (Joint Institute for Nuclear Astrophysics) Special School on Methods of Direct Nuclear Reactions”, Michigan State

University, NSCL, East Lansing, USA, April 9 - 20, 2007., Attendee, Michigan, United States Of America, 2007
"Physics with Radioactive Beams", 5th International Balkan School in Nuclear Physics, Brasov, Romania, 7-14 September 2006., Attendee, Brasov, Romania, 2006
"6th International Conference of the Balkan Physical Union", İstanbul, Türkiye, 22-26 Ağustos, 2006., Attendee, İstanbul, Turkey, 2006
"Türk Fizik Derneği 21. Ulusal Fizik Kongresi", Isparta, Türkiye, 11-14 Eylül, 2002., Attendee, Isparta, Turkey, 2002
"1th Hellenic-Turkish International Physics Conference", Bodrum-TURKEY, Kos-GREECE, 10-15 Eylül, 2001., Attendee, Muğla, Turkey, 2001

Refereeing Duties

Para Yelken Türkiye Şampiyonası-Professional Club Matches, 2023

Türkiye Yelken Federasyonu Optimist Türkiye Şampiyonası 2. Ayak Yarışları-Professional Club Matches, 2023