

## Assoc. Prof. CANER YALÇIN

### Personal Information

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### Education Information

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

Post Graduate, Celâl Bayar Üniversitesi, Fen Bilimleri Enstitüsü, Katıhal Fiziği (YI) (Tezli), Turkey 2000 - 2003

Under Graduate, 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

Post Graduate, Manyetik mineraller kullanılarak Gediz Nehri civarındaki çevresel kirliliğin belirlenmesi, Celâl Bayar Üniversitesi, Fen Bilimleri Enstitüsü, Katıhal 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 Üniversitesi, Fen Edebiyat Fakültesi, Fizik, 2019 - Continues

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

Research Assistant, Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2005 - 2010

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

### Academic and Administrative Experience

Deputy Head of Department, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2021 - Continues

### Courses

Nükleer Fizik Laboratuvarı, Under Graduate, 2017 - 2018

Fizik II, Under Graduate, 2017 - 2018

Nükleer Fizik, Under Graduate, 2017 - 2018

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **The cross section calculation of Sn-112(alpha,gamma)Te-116 reaction with different nuclear models at the astrophysical energy range**  
Yalçın C.  
NUCLEAR SCIENCE AND TECHNIQUES, vol.28, no.8, 2017 (Journal Indexed in SCI)
- IV. **alpha scattering and alpha-induced reaction cross sections of Zn-64 at low energies**  
ORNELAS A., MOHR P., Gyurky G., ELEKES Z., Fulop Z., Halasz Z., Kiss G. G. , SOMORJAI E., Szuecs T., Takacs M. P. , et al.  
PHYSICAL REVIEW C, vol.94, no.5, 2016 (Journal Indexed in SCI)
- V. **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., Fueleop Z., HALÁSZ Z., SOMORJAI E.  
PHYSICAL REVIEW C, vol.91, no.5, 2015 (Journal Indexed in SCI)
- VI. **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., Szuecs T., Fueleop Z., FARKAS J., et al.  
PHYSICAL REVIEW C, vol.91, no.3, 2015 (Journal Indexed in SCI)
- VII. **High precision In-113(alpha, alpha)In-113 elastic scattering at energies near the Coulomb barrier for the astrophysical gamma process**  
Kiss G. G. , MOHR P., Fueleop Z., RAUSCHER T., Gyuerky G., SZUECS T., HALASZ Z., SOMORJAI E., ORNELAS A., YALÇIN C., et al.  
PHYSICAL REVIEW C, vol.88, no.4, 2013 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **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., Fueleop Z., Gyuerky G., ELEKES Z., FARKAS J., SOMORJAI E., Yalçin C., GALAVÍZ D., GÜRAY R. T. , et al.  
PHYSICAL REVIEW C, vol.83, no.6, 2011 (Journal Indexed in SCI)
- X. **Alpha-induced reaction cross section measurements on Eu-151 for the astrophysical gamma-process**  
Gyuerky G., Elekes Z., Farkas J., Fueleop Z., Halasz Z., Kiss G. G. , Somorjai E., Szuecs T., GÜRAY R. T. , Ozkan N., et al.  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.37, no.11, 2010 (Journal Indexed in SCI)
- XI. **Measurement of embedded As-74 decay branching ratio at low temperatures**  
FARKAS J., GYURKY G., Yalçin 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, 2009 (Journal Indexed in SCI)

- XII. **Measurements of proton-induced reaction cross sections on Te-120 for the astrophysical p process**  
GÜRAY R. T. , Ozkan N., YALÇIN 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 (Journal Indexed in SCI)
- XIII. **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., SÍMON A., SOMORJAI E., et al.  
PHYSICAL REVIEW C, vol.79, no.6, 2009 (Journal Indexed in SCI)
- XIV. **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, 2008 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **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 (Other Refereed National Journals)

## Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **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
- III. **Experimental cross section investigation of Sn isotopes for the astrophysical p-process in COST/CHETEC**  
ÖZKAN GÜRAY N., YALÇIN C., GÜRAY R. T.  
Turkish Physical Society 33TH International Physics Congress, 6 - 10 September 2017
- IV. **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
- V. **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
- VI. **MEASUREMENT OF NATURAL AND 137CS 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
- VII. **Investigation of Alpha Induced Reactions on 107Agat 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
- VIII. **Alpha captured reaction cross section measurements on Sb isotopes by using activation method with g ray and X ray countings**  
KORKULU Z., KISS 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

- IX. Investigation of Alpha Induced Reaction on  $^{107}\text{Ag}$  at Astrophysical Energies**  
 YALÇIN C., ÖZKAN GÜRAY N., GÜRAY R. T. , GYURKY G., KISS G., FARKAS J., SZÜCS T., HALASZ Z., FULOP Z., SOMORJAI E.  
 Nuclear Physics in Astrophysics (NPA6) Conference, 19 - 24 May 2013
- X. High precision elastic alpha scattering on the even-odd In-115 nucleus at low energies**  
 Kiss G. G. , Szuecs T., MOHR P., Fuloep 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, vol.665
- XI. Alpha capture reaction cross section measurements on Sb isotopes by activation method**  
 KORKULU Z., ÖZKAN N., Kiss G. G. , Szuecs T., Fuloep 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
- XII. Measurement Of Natural And Cs-137 Radioactivity Concentrations At Izmit Bay (Marmara Sea), Turkey**  
 Öksüz İ., GÜRAY R. T. , Ozkan N., YALÇIN C., ERGÜL H. A. , AKSAN S.  
 9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015, vol.1722
- XIII. DETERMINATION OF RADON CONCENTRATION AT YAHYA KAPTAN DISTRICT IN KOCAELI**  
 KARATAY K., ÖZKAN GÜRAY N., GÜRAY R. T. , YALÇIN C.  
 9th International Physics Conference of the Balkan Physical Union, 24 - 27 August 2015
- XIV. 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
- XV. Half-life measurements of the Pm-144 isotope with gamma-spectroscopy**  
 YALÇIN C., Gyuerky G., HALASZ Z., Szuecs T., Gueray R. T. , Kiss G. G. , Fuloep Z., Oezkan N., SOMORJAI E.  
 1st NUBA International Conference on Nuclear Physics and Astrophysics, Antalya, Turkey, 14 - 21 September 2014, vol.590
- XVI. Alpha Scattering Experiment On  $^{64}\text{Zn}$  And The Low Energy Alpha Nucleus Optical Potential**  
 ORNELAS A., GALAVÍZ D., GYURKY G., KISS G., FULOP Z., SOMORJAI E., SZÜCS T., TAKACS M., MOHR P., GÜRAY R. T. , et al.  
 Proceedings of Science, 7 - 11 July 2014
- XVII. Elastic scattering and the Family Problem on  $^{64}\text{Zn}$   $^{106}\text{Cd}$  and  $^{113}$   $^{115}\text{In}$**   
 ORNELAS A., GALAVÍZ D., GYURKY G., FULOP Z., KISS G., HALASZ Z., SZÜCS T., SOMORJAI E., MP T., MORH P., et al.  
 Nuclear Physics in Astrophysics Conference, 19 - 24 May 2013
- XVIII.  $^{121}\text{Sb}(\alpha, g)^{125}\text{I}$   $^{121}\text{Sb}(\alpha, n)^{124}\text{I}$  and  $^{123}\text{Sb}(\alpha, n)^{126}\text{I}$  cross section measurements at the astrophysical energies**  
 KORKULU Z., KISS 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
- XIX.  $^{121}\text{Sb}(\alpha, \bar{g})^{125}\text{I}$ ,  $^{121}\text{Sb}(\alpha, n)^{124}\text{I}$  and  $^{123}\text{Sb}(\alpha, n)^{126}\text{I}$  cross section measurements at the astrophysical energies**  
 Korkulu Z., ÖZKAN GÜRAY N., Kiss G., Szuecs T., Fülöp Z., GÜRAY R. T. , Gyürky G., Halasz Z., Somorjai E., YALÇIN C.  
 A EuroGENESIS workshop: Open problems and future directions in heavyelement nucleosynthesis, 10 - 12 April 2013
- XX. Elastic a scattering and the Family Problem on  $^{64}\text{Zn}$  and  $^{106}\text{Cd}$**   
 ORNELAS A., GALAVÍZ D., GYURKY G., FULOP Z., KISS 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
- XXI. Elastic alpha scattering experiment on  $^{64}\text{Zn}$**   
 KORKULU Z., KISS 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
- XXII. Cross Section Measurements of  $^{107}\text{Ag}(\alpha, g)^{111}\text{In}$  and  $^{107}\text{Ag}(\alpha, n)^{110}\text{In}$  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

XXIII. **Cross Section Measurements of  $^{107}\text{Ag}(\alpha, g)^{111}\text{In}$  and  $^{107}\text{Ag}(\alpha, n)^{110}\text{In}$  Reactions Close to the Astrophysical Energy Range**

YALÇIN C., ÖZKAN GÜRAY N., GÜRAY R. T. , GYURKY G., KISS G., FARKAS J., SZÜCS T., HALASZ Z., FULOP Z., SOMORJAI E.

2nd European Nuclear Physics Conference, 17 - 21 September 2012

XXIV. **Investigating the variation of elastic alpha scattering cross sections in the A 100 region**

KISS G., MORH P., FULOP Z., GYURKY G., ELEKES Z., FARKAS J., SOMORJAI E., GALAVÍZ D., GÜRAY R. T. , ÖZKAN GÜRAY N., et al.

Journal of Physics: Conference Series, 3 - 08 April 2011, pp.12029

XXV. **Investigating the variation of elastic alpha scattering cross sections in the A approximate to 100 region**

Kiss G. G. , Mohr P., Fuloep 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, vol.337

XXVI. **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

XXVII. **Determination Of Natural Radioactivity Levels Of Beach Sand Samples In the Black Sea Coast Of Kocaeli**

KORKULU Z., ÖZKAN GÜRAY N., GÜRAY R. T. , YALÇIN C., DİKME E., ERGÜL H. A.

Turkish Physical Society 28TH International Physics Congress, Bodrum, Turkey, 6 - 09 September 2011

XXVIII. **Proton capture reaction cross section measurements on  $^{162}\text{Er}$  for the astrophysical  $\gamma$ -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

XXIX.  **$^{152}\text{Gd}(p, g)^{153}\text{Tb}$  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

XXX. **Proton capture reaction cross section measurements on  $^{162}\text{Er}$  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

XXXI.  **$^{152}\text{Gd}(p, g)^{153}\text{Tb}$  reaction cross section measurement for the astrophysical p process**

ÖZKAN GÜRAY N., GÜRAY R. T. , YALÇIN C., TAN W., APRAHAMÍAM 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

XXXII. **Alpha induced ractions for the astrophysical p process the case of  $^{151}\text{Eu}$**

GYURKY G., ELEKES Z., FARKAS J., FULOP Z., KISS G., SOMORJAI E., SZÜCS T., GÜRAY R. T. , ÖZKAN GÜRAY N., YALÇIN C.

Journal of Physics: Conference Series, 8 - 12 June 2009, pp.12004

XXXIII. **Alpha-induced reactions for the astrophysical p-process: the case of Eu-151**

Gyuerky G. Y. , Elekes Z., Farkas J., Fuloep Z. S. , Kiss G. G. , Somorjai E., Szuecs 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

XXXIV.  **$^{113}\text{In}(\alpha, \alpha)^{117}\text{Sb}$  ve  $^{113}\text{In}(\alpha, n)^{116}\text{Sb}$  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

- XXXV. **120Te(p, $\gamma$ )121I ve 120Te(p,n)120I reaksiyonlarının astrofiziksel 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
- XXXVI. **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
- XXXVII. **Sistematik proton ve alfa yakalama reaksiyon tesir kesit ölçümleri**  
KISS G., GALAVİZ D., GYURKY G., ELEKES Z., FULOP Z., SOMORJAI E., ZIGLES 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
- XXXVIII. **120Te(p,g)121I ve 120Te(p,n)120I reaksiyonlarının astrofiziksel S faktör ölçümleri**  
KISS G., GALAVİZ D., GYURKY G., ELEKES Z., FULOP Z., SOMORJAI E., ZIGLES 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
- XXXIX. **Temperature dependence of beta and beta EC decay branching ratio of embedded 74As**  
FARKAS J., GYURKY G., YALÇIN C., ELEKES Z., KISS 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
- XL. **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
- XLI. **Proton Induced Reactions on the p nucleus 120Te**  
ÖZKAN GÜRAY N., GÜRAY R. T. , YALÇIN C., KUTLU S., POLUMBO A., DEBOER R., GÖRRES J., LEBLANC P., OBRAÏN S., STRANDBERG E., et al.  
Proceedings of Science, 27 July - 01 August 2008, pp.97
- XLII. **Astrophysical S-factor for alpha-Capture of In-113 in the p-Process Energy Range**  
YALÇIN C., Gueray R. T. , Oezkan N., Kutlu S., Gyuerky G., Farkas J., Kiss G. G. , Fuloep Z., Rauscher T., Somorjai E.  
13th International Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Cologne, Germany, 25 - 29 August 2008, vol.1090, pp.631-632
- XLIII. **Study of 74As decay in different host materials**  
J Farkas. Gy Gyürky. C Yalçın. G G Kiss. Z Elekes. Zs Fülöp. E Somorjai. K Vad. J Hakl S. M.  
Proceedings of Science, 27 July - 01 August 2008, pp.209
- XLIV. **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., KISS G., FULOP Z., SOMORJAI E.  
Proceedings of Science, 27 July - 01 August 2008, pp.92
- XLV. **Experimental study of the variation of alpha elastic scattering cross sections along isotopic and isotonic chains at low energies**  
KISS G., GALAVİZ D., GYURKY G., ELEKES Z., FULOP Z., SOMORJAI E., ZIGLES A., MORH P., GÖRRES J., WIESCHER M., et al.  
American Institute of Physics (AIP), 4 - 07 December 2007, pp.221
- XLVI. **Calculation of Effective Beam Energy Depending on the Target Thickness in Applications of Nuclear Astrophysics**  
KISS G., GALAVİZ D., GYURKY G., ELEKES Z., FULOP Z., SOMORJAI E., ZIGLES A., MORH P., GÖRRES J., WIESCHER M., et al.  
American Institute of Physics (AIP), 22 - 29 August 2006, pp.547
- XLVII. **A Recent Study on 137Cs Activities in Surface Soils Over the Eastern Part of the Black Sea Coast of Turkey**  
KISS G., GALAVİZ D., GYURKY G., ELEKES Z., FULOP Z., SOMORJAI E., ZIGLES A., MORH P., GÖRRES J., WIESCHER M., et al.

American Institute of Physics (AIP), 22 - 26 August 2006, pp.731

**XLVIII. Nuclear Astrophysical Applications of Tandem Van De Graaff Accelerators**

YALÇIN C., ERDURMUŞ B., GÜRAY R. T. , ÖZKAN GÜRAY N.

Nuclear Astrophysical Applications of Tandem Van De Graaff Accelerators, 7 - 14 September 2006

**XLIX. Trafikten Kaynaklanan Kirliliğin Bir Göstergesi Olarak Manyetik Süseptibilite**

ZEHRA K., YALÇIN C., KİBAR R., ÖZ Ö.

Türk Fizik Derneği 21. Ulusal Fizik Kongresi, Turkey, 11 - 14 September 2002, pp.213

**L. Frequency Dependent Susceptibility Measurements in Environmental Applications**

CAN N., KİLİSLİ z., YALÇIN C., KİBAR R., AYVACIKLI M., ÇELİK A., AYCAN H. Ş.

1th Hellenic-Turkish International Physics Conference, 10 - 15 September 2001, pp.285

## Supported Projects

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

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

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

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

## Scientific Refereeing

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

## Edit 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 Çalıştay”, 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

## Citations

Total Citations (WOS):246

h-index (WOS):9

## Scholarships

TÜBİTAK Yurt Dışı Doktora Sonrası Araştırma Bursu, TUBITAK, 2012 - Continues

ERASMUS Bursu, European Commission, 2007 - Continues