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Education Information

Doctorate, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Fizik Anabilim Dalı, Nükleer Fizik Programı, Turkey 2003 - 2009

Postgraduate, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Fizik Anabilim Dalı, Nükleer Fizik Programı, Turkey 2001 - 2003

Undergraduate, İstanbul Üniversitesi, Faculty of Science, Department of Physics, Turkey 1997 - 2001

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Düşük Enerjili Uyarılmaların Nötron ve Proton Sayısının Fonksiyonu Olarak Gelisimi, Istanbul University, Institute of Graduate Studies In Sciences, Fizik Anabilim Dalı, Nükleer Fizik Programı, 2009

Postgraduate, 14N+235U Füzyon Reaksiyonunda Simetrik ve Asimetrik Fisyon Ürünleri Dağılımlarının İncelenmesi, Istanbul University, Institute of Graduate Studies In Sciences, Fizik Anabilim Dalı, Nükleer Fizik Programı, 2003

Research Areas

Physics, Nuclear physics, General Nuclear Reactions, Nuclear Structure, Radioactive decay and in-beam spectroscopy, Natural Sciences

Academic Titles / Tasks

Professor, Istanbul University, Faculty of Science, Department of Physics, 2018 - Continues

Associate Professor, Istanbul University, Faculty of Science, Department of Physics, 2012 - 2018

Assistant Professor, Istanbul University, Faculty of Science, Department of Physics, 2009 - 2012

Research Assistant, İstanbul Üniversitesi, Faculty of Science, Department of Physics, 2002 - 2009

Courses

Nükleer Çekirdeklere Kuantum MEkaniksel Bakış I, Postgraduate, 2011 - 2012, 2012 - 2013, 2017 - 2018, 2018 - 2019

FİZİK LABORATUARI II, Undergraduate, 2017 - 2018

Nükleer Çekirdeklere Kuantum MEkaniksel Bakış II, Postgraduate, 2011 - 2012, 2012 - 2013, 2017 - 2018

Çekirdek Fiziği Uygulamaları, Undergraduate, 2017 - 2018

İleri Fizik Uygulamaları, Undergraduate, 2017 - 2018

Genel Fizik, Undergraduate, 2012 - 2013

İLERİ FİZİK UYGULAMALARI, Undergraduate, 2012 - 2013

ÇEKİRDEK FİZİĞİ UYGULAMALARI, Undergraduate, 2012 - 2013

ÇEKİRDEK FİZİĞİ UYGULAMALARI, Undergraduate, 2011 - 2012

Genel Fizik, Undergraduate, 2011 - 2012

Advising Theses

GANIÖĞLU NUTKU E., Çeşitli Gübrelerden Bitkilere Geçen Radyonüklidlerin Gama Spektroskopisi Yöntemi ile İncelenmesi, Postgraduate, D.Boyacı(Student), Continues

GANIÖĞLU NUTKU E., CBM Deneyindeki Çift Taraflı Silikon Mikro-Şerit Dedektör Sisteminin Karakterizasyonu, Doctorate, M.Doğan(Student), 2019

GANIÖĞLU NUTKU E., Türkiye’de Yetişen Tütünlerdeki Radyoaktif Çekirdek Konsantrasyonlarının Ölçülmesi, Postgraduate, G.Ağgez(Student), 2017

GANIÖĞLU NUTKU E., Yüksek Rezolüsyonlu $46\text{Ti}(3\text{He,t})46\text{V}$ Reaksiyonunda Gamow-Teller Geçişlerinin İncelenmesi, Postgraduate, M.Doğan(Student), 2017

GANIÖĞLU NUTKU E., Gamow-Teller Geçişlerinde Gözlenen Kesikli ve Rezonans Yapılar, Postgraduate, H.Candan(Student), 2011

Jury Memberships

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, İstanbul Üniversitesi, June, 2010

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

- I. **Total absorption gamma-ray spectroscopy study of the beta-decay of Hg-186**
Algora A., GANIÖĞLU NUTKU E., Sarriguren P., Guadilla V., Fraile L., Nácher E., Rubio B., Tain J., Agramunt J., Gelletly W., et al.
PHYSICS LETTERS B, vol.819, 2021 (Journal Indexed in SCI)
- II. **beta decay of the very neutron-deficient Ge-60 and Ge-62 nuclei**
Orrigo S. E. A. , Rubio B., Gelletly W., Aguilera P., Algora A., Morales A., Agramunt J., Ahn D. S. , Ascher P., Blank B., et al.
PHYSICAL REVIEW C, vol.103, no.1, 2021 (Journal Indexed in SCI)
- III. **Determination of beta-decay ground state feeding of nuclei of importance for reactor applications**
Guadilla V., Tain J. L. , Algora A., Agramunt J., Jordan D., Monserrate M., Montaner-Piza A., Orrigo S. E. A. , Rubio B., Valencia E., et al.
PHYSICAL REVIEW C, vol.102, no.6, 2020 (Journal Indexed in SCI)
- IV. **Assessment of Natural and Anthropogenic Radioactivity of the Princes' Islands in the Sea of Marmara**
Hafizoğlu N., Sahin L., Ganioglu E., Ağgez G., Yıldırım Baştemur G., İsel P.
WATER AIR AND SOIL POLLUTION, vol.231, no.6, 2020 (Journal Indexed in SCI)
- V. **Evidence for octupole collectivity in Pt-172**
Ertoprak A., Cederwall B., Qi C., Aktas O., Doncel M., Hadinia B., Liotta R., Sandzelius M., Scholey C., Andgren K., et al.
EUROPEAN PHYSICAL JOURNAL A, vol.56, no.2, 2020 (Journal Indexed in SCI)

- VI. **TWO-PROTON RADIOACTIVITY: THE INTERESTING CASE OF Kr-67 AND FURTHER STUDIES**
 Giovinazzo J, Goigoux T, Blank B, Ascher P, Gerbaux M, Grevy S, Kurtukian-Nieto T, Magron C, Doornenbal P, Fukuda N, et al.
 ACTA PHYSICA POLONICA B, vol.51, no.3, pp.577-585, 2020 (Journal Indexed in SCI)
- VII. **STUDYING THE EXOTIC DECAY Kr-70 -> Br-70**
 Vitez-Sveicz A, Algora A, Morales A. I. , Rubio B, Kiss G. G. , de Angelis G., Recchia F., Nishimura S, Agramunt J, Guadilla V., et al.
 ACTA PHYSICA POLONICA B, vol.51, no.3, pp.587-594, 2020 (Journal Indexed in SCI)
- VIII. **Total absorption gamma-ray spectroscopy of the beta-delayed neutron emitters I-137 and Rb-95**
 Guadilla V., Tain J. L. , Algora A., Agramunt J., Jordan D., Monserrate M., Montaner-Piza A., Nacher E., Orrigo S. E. A. , Rubio B., et al.
 PHYSICAL REVIEW C, vol.100, no.4, 2019 (Journal Indexed in SCI)
- IX. **Total absorption gamma-ray spectroscopy of niobium isomers**
 Guadilla V., Algora A., Tain J. L. , Agramunt J., Aysto J., Briz J. A. , Cucoanes A., Eronen T., Estienne M., Fallot M., et al.
 PHYSICAL REVIEW C, vol.100, no.2, 2019 (Journal Indexed in SCI)
- X. **High-resolution study of the Gamow-Teller (GT₋) strength in the Zn-64(He-3, t) Ga-64 reaction**
 DIEL F., Fujita Y., Fujita H., CAPPUZZELLO F., Ganioglu E., GREWE E., Hashimoto T., Hatanaka K., Honma M., Itoh T., et al.
 PHYSICAL REVIEW C, vol.99, no.5, 2019 (Journal Indexed in SCI)
- XI. **Kr-67 TWO-PROTON RADIOACTIVITY: RESULTS AND THEORETICAL INTERPRETATIONS**
 Goigoux T, Ascher P, Blank B, Gerbaux M, Giovinazzo J, Grevy S, Nieto T. K. , Magron C., Ahn D. S. , Doornenbal P, et al.
 ACTA PHYSICA POLONICA B, vol.50, no.3, pp.399-404, 2019 (Journal Indexed in SCI)
- XII. **Large Impact of the Decay of Niobium Isomers on the Reactor (ν)over-bar(e) Summation Calculations**
 Guadilla V., Algora A., Tain J. L. , Estienne M., Fallot M., Sonzogni A. A. , Agramunt J., Aysto J., Briz J. A. , Cucoanes A., et al.
 PHYSICAL REVIEW LETTERS, vol.122, no.4, 2019 (Journal Indexed in SCI)
- XIII. **Characterization and performance of the DTAS detector**
 Guadilla V., Tain J. L. , Algora A., Agramunt J., Aysto J., Briz J. A. , Cucoanes A., Eronen T., Estienne M., Fallot M., et al.
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, vol.910, pp.79-89, 2018 (Journal Indexed in SCI)
- XIV. **First determination of beta-delayed multiple neutron emission beyond A=100 through direct neutron measurement: The P-2n value of Sb-136**
 Caballero-Folch R., Dillmann I., Agramunt J., Tain J. L. , Algora A., Aysto J., Calvino F., Canete L., Cortes G., Domingo-Pardo C., et al.
 PHYSICAL REVIEW C, vol.98, no.3, 2018 (Journal Indexed in SCI)
- XV. **Investigation of radon concentrations in some reservoirs, spring and tap waters in A degrees stanbul, Turkey**
 Doğan M. A. , Ganioglu E., Sahin L., Hafizoglu N.
 JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.315, no.3, pp.653-660, 2018 (Journal Indexed in SCI)
- XVI. **Investigating neutron-proton pairing in sd-shell nuclei via (p, He-3) and (He-3, p) transfer reactions**
 Ayyad Y., Lee J., Tamii A., Lay J. A. , MACCHIAVELLI A. O. , Aoi N., Brown B. A. , Fujita H., Fujita Y., Ganioglu E., et al.
 PHYSICAL REVIEW C, vol.96, no.2, 2017 (Journal Indexed in SCI)
- XVII. **Experimental study of Tc-100 beta decay with total absorption gamma-ray spectroscopy**
 GUADILLA V., Algora A., TAIN J. L. , Agramunt J., JORDAN D., MONTANER-PIZA A., ORRIGO S. E. A. , Rubio B., VALENCIA E., SUHONEN J., et al.
 PHYSICAL REVIEW C, vol.96, no.1, 2017 (Journal Indexed in SCI)
- XVIII. **Simultaneous investigation of the T=1(J(pi)=0(+)) and T=0(J(pi)=9(+)) beta decays in Br-70**
 MORALES A. I. , Algora A., Rubio B., KANEKO K., NISHIMURA S., AGUILERA P., ORRIGO S. E. A. , Molina F., de Angelis

- G., RECCHIA F., et al.
 PHYSICAL REVIEW C, vol.95, no.6, 2017 (Journal Indexed in SCI)
- XIX. **Half-life determination of T-z =-1 and T-z =-1/2 proton-rich nuclei and the beta decay of Zn-58**
 Kucuk L., ORRIGO S. E. A., MONTANER-PIZA A., Rubio B., Fujita Y., Gelletly W., Blank B., Oktem Y., Adachi T., Algora A., et al.
 EUROPEAN PHYSICAL JOURNAL A, vol.53, no.6, 2017 (Journal Indexed in SCI)
- XX. **Characterization of a cylindrical plastic beta-detector with Monte Carlo simulations of optical photons**
 Guadilla V., Algora A., Tain J. L., Agramunt J., Aysto J., Briz J. A., Cucoanes A., Eronen T., Estienne M., Fallot M., et al.
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, vol.854, pp.134-138, 2017 (Journal Indexed in SCI)
- XXI. **STUDY OF THE beta DECAY OF FISSION PRODUCTS WITH THE DTAS DETECTOR**
 Guadilla V., Algora A., Tain J. L., Agramunt J., Aysto J., Briz J. A., Cucoanes A., Eronen T., Estienne M., Fallot M., et al.
 ACTA PHYSICA POLONICA B, vol.48, no.3, pp.529-532, 2017 (Journal Indexed in SCI)
- XXII. **FIRST EVIDENCE OF MULTIPLE beta-DELAYED NEUTRON EMISSION FOR ISOTOPES WITH A > 100**
 Caballero-Folch R., Dillmann I., Agramunt J., Tan J. L., Domingo-Pardo C., Algora A., Aysto J., Calvino F., Canete L., Cortes G., et al.
 ACTA PHYSICA POLONICA B, vol.48, no.3, pp.517-522, 2017 (Journal Indexed in SCI)
- XXIII. **Observation of the 2(+) isomer in Co-52**
 ORRIGO S. E. A., Rubio B., Gelletly W., Blank B., Fujita Y., Giovinazzo J., Agramunt J., Algora A., Ascher P., Bilgier B., et al.
 PHYSICAL REVIEW C, vol.94, no.4, 2016 (Journal Indexed in SCI)
- XXIV. **Two-Proton Radioactivity of Kr-67**
 GOIGOUX T., Ascher P., Blank B., Gerbaux M., Giovinazzo J., Grevy S., NIETO T. K., MAGRON C., DOORNENBAL P., KISS G. G., et al.
 PHYSICAL REVIEW LETTERS, vol.117, no.16, 2016 (Journal Indexed in SCI)
- XXV. **High-resolution study of Gamow-Teller transitions in the Ti-48(He-3,t)V-48 reaction**
 Ganioglu E., Fujita H., Rubio B., Fujita Y., Adachi T., Algora A., CSATLOS M., Deaven J. M., ESTEVEZ-AGUADO E., Guess C. J., et al.
 PHYSICAL REVIEW C, vol.93, no.6, 2016 (Journal Indexed in SCI)
- XXVI. **New neutron-deficient isotopes from Kr-78 fragmentation**
 Blank B., GOIGOUX T., Ascher P., Gerbaux M., Giovinazzo J., Grevy S., NIETO T. K., MAGRON C., Agramunt J., Algora A., et al.
 PHYSICAL REVIEW C, vol.93, no.6, 2016 (Journal Indexed in SCI)
- XXVII. **First experiment with the NUSTAR/FAIR Decay Total Absorption gamma-Ray Spectrometer (DTAS) at the IGISOL IV facility**
 GUADILLA V., Algora A., TAIN J. L., Agramunt J., AYSTO J., BRIZ J. A., CANO-OTT D., CUCOANES A., ERONEN T., ESTIENNE M., et al.
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.376, pp.334-337, 2016 (Journal Indexed in SCI)
- XXVIII. **beta decay of the exotic T-z =-2 nuclei Fe-48, Ni-52, and Zn-56**
 ORRIGO S. E. A., Rubio B., Fujita Y., Gelletly W., Agramunt J., Algora A., Ascher P., Bilgier B., Blank B., Caceres L., et al.
 PHYSICAL REVIEW C, vol.93, no.4, 2016 (Journal Indexed in SCI)
- XXIX. **TOTAL ABSORPTION SPECTROSCOPY OF FISSION FRAGMENTS RELEVANT FOR REACTOR ANTINEUTRINO SPECTRA DETERMINATION**
 Briz J. A., Zakari-Issoufou A., Fallot M., Porta A., Algora A., Tain J. L., Valencia E., Rice S., Guadilla V., Agramunt J., et al.
 ACTA PHYSICA POLONICA B, vol.47, no.3, pp.755-762, 2016 (Journal Indexed in SCI)
- XXX. **THE T-z = +/- 1 -> 0 AND +/- 2 -> +/- 1 MIRROR GAMOW-TELLER TRANSITIONS IN pf-SHELL NUCLEI**
 Fujita Y., Rubio B., Molina F., Adachi T., Fujita H., Blank B., Ganioglu E., Gelletly W., ORRIGO S. E. A.

- ACTA PHYSICA POLONICA B, vol.47, no.3, pp.867-881, 2016 (Journal Indexed in SCI)
- XXXI. **Dipole polarizability of Sn-120 and nuclear energy density functionals**
Hashimoto T, KRUMBHOLZ A. M., REINHARD P. -, Tamii A, VON NEUMANN-COSEL P., Adachi T, Aoi N, BERTULANI C. A., Fujita H, Fujita Y., et al.
PHYSICAL REVIEW C, vol.92, 2015 (Journal Indexed in SCI)
- XXXII. **Low-energy electric dipole response in Sn-120**
KRUMBHOLZ M., VON NEUMANN-COSEL P., Hashimoto T, Tamii A., Adachi T, BERTULANI C. A., Fujita H, Fujita Y., Ganioglu E., Hatanaka K., et al.
PHYSICS LETTERS B, vol.744, pp.7-12, 2015 (Journal Indexed in SCI)
- XXXIII. **beta-DELAYED gamma-PROTON DECAY IN Zn-56: ANALYSIS OF THE CHARGED-PARTICLE SPECTRUM**
ORRIGO S. E. A., Rubio B., Fujita Y., Blank B., Gelletly W., Agramunt J., Algora A., Ascher P., Bilgier B., Caceres L., et al.
ACTA PHYSICA POLONICA B, vol.46, no.3, pp.709-712, 2015 (Journal Indexed in SCI)
- XXXIV. **T-z = -1 -> 0 beta decays of Ni-54, Fe-50, Cr-46, and Ti-42 and comparison with mirror (He-3,t) measurements**
Molina F., Rubio B., Fujita Y., Gelletly W., AGRAMUNT J., Algora A., BENLLIURE J., BOUTACHKOV P., CACERES L., Cakirli R. B., et al.
PHYSICAL REVIEW C, vol.91, no.1, 2015 (Journal Indexed in SCI)
- XXXV. **Hindered Gamow-Teller Decay to the Odd-Odd N = Z Ga-62: Absence of Proton-Neutron T=0 Condensate in A=62**
GRODNER E., GADEA A., SARRIGUREN P., LENZI S. M., GREBOSZ J., VALIENTE-DOBON J. J., Algora A., GORSKA M., Regan P. H., Rudolph D., et al.
PHYSICAL REVIEW LETTERS, vol.113, no.9, 2014 (Journal Indexed in SCI)
- XXXVI. **Observation of the beta-Delayed gamma-Proton Decay of Zn-56 and its Impact on the Gamow-Teller Strength Evaluation**
Orrigo S. E. A., Rubio B., Fujita Y., Blank B., Gelletly W., Agramunt J., Algora A., Ascher P., Bilgier B., Caceres L., et al.
PHYSICAL REVIEW LETTERS, vol.112, no.22, 2014 (Journal Indexed in SCI)
- XXXVII. **Beta Decay Study of the T-z = -2 Zn-56 Nucleus and the Determination of the Half-Lives of a Few fp-shell Nuclei**
Rubio B., ORRIGO S. E. A., Kucuk L., MONTANER-PIZA A., Fujita Y., Fujita H., Blank B., Gelletly W., Adachi T., AGRAMUNT J., et al.
NUCLEAR DATA SHEETS, vol.120, pp.37-40, 2014 (Journal Indexed in SCI)
- XXXVIII. **Observation of the β -delayed γ -proton decay of ^{56}Zn and its impact on the Gamow Teller strength evaluation**
Orrigo S., Rubio B., Fujita Y., Blank B., Gelletly W., Bilgier B., ÇAKIRLI MUTLU R. B., GANIÖĞLU E., SÜSOY DOĞAN G., AKKUŞ B.
PHYSICAL REVIEW LETTERS, vol.112, 2014 (Journal Indexed in SCI)
- XXXIX. **Observation of Low- and High-Energy Gamow-Teller Phonon Excitations in Nuclei**
Fujita Y., Fujita H., Adachi T., BAI C. L., Algora A., Berg G. P. A., VON BRENTANO P., COLO G., CSATLOS M., Deaven J. M., et al.
PHYSICAL REVIEW LETTERS, vol.112, no.11, 2014 (Journal Indexed in SCI)
- XL. **BETA DECAY OF THE EXOTIC T-z = -2, Zn-56 NUCLEUS AND HALF-LIFE OF VARIOUS PROTON-RICH T-z = -1 NUCLEI**
Orrigo S. E. A., Rubio B., Agramunt J., Algora A., Molina F., Fujita Y., Blank B., Ascher P., Gerbaux M., Giovinazzo J., et al.
ACTA PHYSICA POLONICA B, vol.45, no.2, pp.355-362, 2014 (Journal Indexed in SCI)
- XLI. **Properties of N=90 isotones within the mean field perspective**
Ganioglu E., Wyss R., Magierski P.
PHYSICAL REVIEW C, vol.89, no.1, 2014 (Journal Indexed in SCI)
- XLII. **High-resolution study of Tz=+2->+1 Gamow-Teller transitions in the $^{44}\text{Ca}(^3\text{He,t})^{44}\text{Sc}$ reaction**
Fujita Y., Adachi T., Fujita H., Algora A., Blank B., Csatlos M., Deaven J. M., Estevez-Aguado E., Ganioglu E., Guess C. J., et al.

Physical Review C - Nuclear Physics, vol.88, no.1, 2013 (Journal Indexed in SCI Expanded)

- XLIII. **Excited states in I-129**
Deleanu D., Balabanski D. L. , Venkova T., Bucurescu D., Marginean N., Ganioglu E., Cata-Danil G., Atanasova L., Cata-Danil I., Detistov P., et al.
PHYSICAL REVIEW C, vol.87, no.1, 2013 (Journal Indexed in SCI)
- XLIV. **High-resolution study of Gamow-Teller transitions in the $^{47}\text{Ti}(^3\text{He,t})^{47}\text{V}$ reaction**
Ganioglu E., Fujita H., Fujita Y., Adachi T., Algora A., Csatos M., Deaven J. M. , Estevez-Aguado E., Guess C. J. , Gulyas J., et al.
Physical Review C - Nuclear Physics, vol.87, no.1, 2013 (Journal Indexed in SCI Expanded)
- XLV. **Triaxial deformation and nuclear shape transition in Au-192**
Oktem Y., Balabanski D. L. , Akkus B., Susam L. A. , Atanasova L., Beausang C. W. , Cakirli R. B. , Casten R. F. , Danchev M., Djongolov M., et al.
PHYSICAL REVIEW C, vol.86, 2012 (Journal Indexed in SCI)
- XLVI. **High resolution ($^3\text{He,t}$) experiment on the double-beta decaying nuclei Te-128 and Te-130**
Puppe P., Lennarz A., Adachi T., Akimune H., Ejiri H., Frekers D., Fujita H., Fujita Y., Fujiwara M., Ganioglu E., et al.
PHYSICAL REVIEW C, vol.86, no.4, 2012 (Journal Indexed in SCI)
- XLVII. **High-spin study of Ta-162**
Moradi F. G. , Back T., Cederwall B., Sandzelius M., Atac A., Johnson A., Qi C., Liotta R., Hadinia B., Andgren K., et al.
PHYSICAL REVIEW C, vol.84, no.6, 2011 (Journal Indexed in SCI)
- XLVIII. **The $^{71}\text{Ga}(^3\text{He,t})$ reaction and the low-energy neutrino response**
Frekers D., Ejiri H., Akimune H., Adachi T., Bilgier B., Brown B. A. , Cleveland B. T. , Fujita H., Fujita Y., Fujiwara M., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.706, pp.134-138, 2011
(Journal Indexed in SCI Expanded)
- XLIX. **Beta and gamma decays of $J(\pi)=1(+)$, Al-24m state beta and gamma branching ratios**
Nishimura D., Fujita Y., Fukuda M., Ganioglu E., ICHIKAWA Y., KANAZAWA M., KITAGAWA A., Mihara M., MOMOTA S., Rubio B., et al.
EUROPEAN PHYSICAL JOURNAL A, vol.47, no.12, 2011 (Journal Indexed in SCI)
- L. **High-resolution ($^3\text{He,t}$) reaction on the double-beta decaying nucleus Xe-136**
Puppe P., Frekers D., Adachi T., Akimune H., Aoi N., Bilgier B., Ejiri H., Fujita H., Fujita Y., Fujiwara M., et al.
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- LI. **High-spin intruder band in In-107**
Ideguchi E., Cederwall B., Ganioglu E., Hadinia B., Lagergren K., Back T., Johnson A., Wyss R., Eeckhauudt S., Grahn T., et al.
PHYSICAL REVIEW C, vol.81, no.3, 2010 (Journal Indexed in SCI)
- LII. **Identification of gamma rays from Au-172 and alpha decays of Au-172, Ir-168, and Re-164**
Hadinia B., Cederwall B., Page R. D. , Sandzelius M., Scholey C., Andgren K., Back T., Ganioglu E., HORNILLOS M. B. G. , Grahn T., et al.
PHYSICAL REVIEW C, vol.80, no.6, 2009 (Journal Indexed in SCI)
- LIII. **gamma-ray spectroscopy of Ta-163**
Sandzelius M., Cederwall B., Ganioglu E., Thomson J., Andgren K., Bianco L., Back T., Eeckhauudt S., ERTUERK S., HORNILLOS M. B. G. , et al.
PHYSICAL REVIEW C, vol.80, no.5, 2009 (Journal Indexed in SCI)
- LIV. **First observation of excited states in Hg-172**
Sandzelius M., Ganioglu E., Cederwall B., Hadinia B., Andgren K., Back T., GRAHN T., GREENLEES P., Jakobsson U., Johnson A., et al.
PHYSICAL REVIEW C, vol.79, no.6, 2009 (Journal Indexed in SCI)
- LV. **Spectroscopy of the neutron-deficient nucleus Os-167(91)**
O'Donnell D., Grahn T., Joss D. T. , Simpson J., Scholey C., Andgren K., Bianco L., Cederwall B., Cullen D. M. , Dewald A., et al.
PHYSICAL REVIEW C, vol.79, 2009 (Journal Indexed in SCI)

- LVI. **Nuclear levels in proton-unbound I-109: Relative single-particle energies beyond the proton drip line**
 Petri M., Paul E. S., Cederwall B., Darby I. G., Dimmock M. R., Eeckhauudt S., Ganioglu E., Grahn T., Greenlees P. T., Hadinia B., et al.
 PHYSICAL REVIEW C, vol.76, 2007 (Journal Indexed in SCI)
- LVII. **In-beam gamma-ray and alpha-decay spectroscopy of (170)Ir**
 Hadinia B., Cederwall B., JOSS D. T., Wyss R., Page R. D., Scholey C., Johnson A., Lagergren K., Ganioglu E., Andgren K., et al.
 PHYSICAL REVIEW C, vol.76, no.4, 2007 (Journal Indexed in SCI)
- LVIII. **Identification of excited states in the T-z=1 nucleus Xe-110: Evidence for enhanced collectivity near the N=Z=50 double shell closure**
 Sandzelius M., Hadinia B., Cederwall B., Andgren K., Ganioglu E., DARBY I. G., DIMMOCK M. R., Eeckhauudt S., GRAHN T., GREENLEES P. T., et al.
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- LIX. **Low-spin collective behavior in the transitional nuclei Mo-86, Mo-88**
 Andgren K., Ganioglu E., Cederwall B., Wyss R., BHATTACHARYYA S., BROWN J. R., de Angelis G., de France G., Dombradi Z., GAL J., et al.
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- LX. **First identification of excited states in Ir-169**
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- LXI. **Study of fission fragments produced by N-14+U-235 reaction**
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Refereed Congress / Symposium Publications in Proceedings

- I. **Determination of 210Po Concentrations using by Radiochemical Methods in Tekirdağ (The Sea of Marmara) Marine Biota**
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- II. **Lifetime measurements of the low lying non-yrast structure of 102Mo**
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- III. **"High resolution studies of Charge Exchange on 47,48Ti in comparison with the Shell Model calculations"**
 GANIÖĞLU NUTKU E.
 Probing fundamental interactions by low energy excitations --Advances in theoretical nuclear physics", Stockholm, Sweden, 5 - 08 June 2019, pp.1
- IV. **New accurate measurements of neutron emission probabilities for relevant fission products**
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- V. **Strong gamma-ray emission from neutron unbound states populated in beta-decay: Impact on (n,gamma) cross-section estimates**
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- VII. **Total absorption studies of high priority decays for reactor applications: Br-86 and Rb-91**
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- IX. **Activity Concentration Measurements from Environmental Gamma radiation in Soil and Sediment Samples Collected from Bosphorus, Istanbul**
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- X. **Indoor Gamma Radiation Measurement at Science Faculty of Istanbul University**
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- XII. **Competition of beta-delayed protons and beta-delayed gamma rays in Zn-56 and the exotic beta-delayed gamma-proton decay**
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- XIII. **Low-Energy Super Gamow-Teller State**
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- XIV. **Investigating Neutron-Proton Pairing in sd-Shell Nuclei via (p,3He) and (3He,p) Transfer Reactions**
Ayyad Y., Lee J., Tamii A., Aoi N., Fujita H., Fujita Y., GANIÖĞLU E., Hatanaka K., HASHIMOTO T., Ito T., et al.
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- XVI. **Triaxial deformation and nuclear shape transition in ¹⁹²Au**
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- XVII. **GAMOW-TELLER TRANSITIONS IN PROTON RICH NUCLEI DEDUCED FROM THE COMBINED STUDY OF beta-DECAY AND CHARGE-EXCHANGE REACTIONS**
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- XVIII. **High Resolution study of Gamow-Teller transitions in the $^{47}\text{Ti}(^3\text{He},t)^{47}\text{V}$ reaction**
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- XIX. **Investigation of Gamow-Teller Transitions by Using $^{92}\text{Zr}(^3\text{He},t)^{92}\text{Nb}$ Reaction**
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- XX. **Beta Decay Of Exotic T-Z = -1 And T-Z = -2 Nuclei**
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Hadinia B., Cedarval B., Back T., Johnson A., Khaplanov A., Wyss R., Page R. D. , Paul E. S. , Grahn T., Gomez Hornillos M. B. , et al.
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- XXIII. **Probing the Collective Degrees of Freedom at the Proton Drip Line in the Extremely Neutron Deficient Hg-172**
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- XXV. **Precise branching ratio of ^{24}mAl beta decay**
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- XXVI. **High-resolution study of $^{56}\text{Fe} \rightarrow ^{56}\text{Mn}$ Gamow-Teller transition by the combined analysis of $^{56}\text{Fe}(^3\text{He},t)^{56}\text{Co}$ and $^{56}\text{Fe}(p,p')^{56}\text{Fe}$ reactions**
Nagashima M., Shimbara Y., Fujita H., Fujita Y., Adachi T., Botha N. T. , Ganioglu E., Hatanaka K., Hirota K., Khai N. T. , et al.
10th International Symposium on Origin of Matter and Evolution of Galaxies (OMEG10), Osaka, Japan, 8 - 10 March 2010, vol.1269, pp.427-428
- XXVII. **$T_z = \pm 1 @ 0$ Mirror Gamow-Teller Transitions in pf-shell Nuclei**
ÖKTEM Y., SÜSOY G., Fujita H., Fujita Y., Adachi T., Algora A., Csatos M., Deaven J., Estevez E., GANİOĞLU E., et al.
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- XXVIII. **Evidence for enhanced collectivity in Te-I-Xe nuclei near the $N=Z=50$ double shell closure**
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XXIX. A systematic study in the region of N=86-98

Ganioglu E., Wyss R.

6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.111-112

XXX. A systematic Study of The Region N=86-98

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XXXI. First identification of gamma-rays in Te-106 using recoil decay tagging technique

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International Conference on Frontiers in Nuclear Structure, Astrophysics and Reactions (FINUSTAR), Kos, Greece, 12 - 17 September 2005, vol.831, pp.457-458

Supported Projects

GANİOĞLU NUTKU E., ŞAHİN YALÇIN L., PERÇİN ÖZKORUCUKLU S., YILDIRIM BAŞTEMUR G., KAYA E., HAFIZOĞLU ALKAN N., AĞGEZ G., İSEL P., Project Supported by Higher Education Institutions, Türkiye'de Yetişen Tütün Bitkisindeki ^{210}Po Radyasyon Miktarının İnsan Sağlığı Açısından Araştırılması, 2019 - Continues

GANİOĞLU NUTKU E., Project Supported by Higher Education Institutions, Beta bozunumu ve TAS Spektroskopisi kapsamındaki çalışmalarım, 2017 - 2020

GANİOĞLU NUTKU E., Project Supported by Higher Education Institutions, High resolution studies of Charge Exchange on ^{47}Ti in comparison with the Shell Model calculations, 2017 - 2017

GANİOĞLU NUTKU E., Project Supported by Higher Education Institutions, Yüksek Rezolüsyonlu $^{165}\text{Ho}(^3\text{He,t})^{165}\text{Er}$ Reaksiyonu ve Nilsson Model seçim kurallarının İncelenmesi, 2014 - 2017

GANİOĞLU NUTKU E., Project Supported by Higher Education Institutions, High-resolution study of Gamow-Teller transitions in the $^{46,47,48}\text{Ti}(^3\text{He,t})^{46,47,48}\text{V}$ reactions, 2015 - 2016

GANİOĞLU NUTKU E., Project Supported by Higher Education Institutions, High-resolution study of Gamow-Teller transitions in the $^{47}\text{Ti}(^3\text{He,t})^{47}\text{V}$ reaction, 2012 - 2012

GANİOĞLU NUTKU E., Other Supported Projects, Stabil ve Radyoaktif Hüzme ve Çok Detektörlü Sistemlerle Nükleer Yapı Fiziği Çalışmaları, 2009 - 2012

AKINCI F. Ç. , ÇAVDAR İ., GANİOĞLU NUTKU E., ÖKTEM Y., AKKUŞ B., SÜSOY DOĞAN G., Other Supported Projects, Türk Hızlandırıcı Merkezi Teknik Tasarımı ve Test Laboratuvarları, 2005 - 2007

Memberships / Tasks in Scientific Organizations

Türk Fizik Derneği İstanbul Şubesi, Member, 2001 - Continues

Türk Fizik Derneği Genel Merkez, Board Member, 2009 - 2013

Türk Fizik Derneği İstanbul Şubesi, Board Member, 2006 - 2012

Scientific Refereeing

Project Supported by Higher Education Institutions, BAP Research Project, Yildiz Technical University, Turkey, March 2021

Journal of Radioanalytical and Nuclear Chemistry, SCI Journal, September 2018

Balkan Physics Letters, Other Indexed Journal, May 2016

Scientific Research / Working Group Memberships

Agata Collaboration Council, Istanbul University, Turkey, http://npg.dl.ac.uk/agata_acc/membership.html, 2011 - Continues

Edit Congress and Symposium Activities

2nd European Nuclear Physics Conference (EuNPC201), Attendee, Turkey, 2012
Turkish Physical Society, 29th International Physics Congress, Attendee, Turkey, 2012
Turkish Physical Society, 28th International Physics Congress, Attendee, Turkey, 2011
Neutron deficient exotic nuclei and the Physics of the "proton rich side" of the nuclear chart meeting, Attendee, Spain, 2011
THM Proton Hızlandırıcısı Alt-Çalıştay, Attendee, Turkey, 2011
Turkish Physical Society, 27th International Physics Congress, Attendee, Turkey, 2010
FINUSTAR3 (Frontiers in Nuclear Structure, Astrophysics and Reactions Conference), Attendee, Turkey, 2010
THM Proton Hızlandırıcısı (PH) Tasarım Grubu Çalışma Toplantısı, Attendee, Turkey, 2010
Turkish Physical Society, 26th International Physics Congress, Attendee, Turkey, 2009
VI. YUUP Çalıştay, Attendee, Turkey, 2009
7th Turkish Accelerator Center Workshop, Attendee, Turkey, 2009
IV. Ulusal Parçacık Hızlandırıcıları ve Dedektörleri Yaz Okulu (IV. UPHDYO), Attendee, Turkey, 2008
Turkish Physical Society, 25th International Physics Congress, Attendee, Turkey, 2008
Balkan Physical Union, First International Physics Symposium and Festival & Inter-University Physics Project Competition, Attendee, Turkey, 2007
Turkish Physical Society, 24th International Physics Congress, Attendee, Turkey, 2007
3rd Turkish Accelerator Center Workshop, Attendee, Turkey, 2007
Swedish Nuclear Physics Meeting, Attendee, Sweden, 2006
Turkish Physical Society, 2nd Summer School On Particle Accelerators and Detectors, Attendee, Turkey, 2006
6th International Conference of the Balkan Physical Union, Attendee, Turkey, 2006
The XVth "colloque GANIL, Attendee, France, 2006
Swedish Nuclear Physics Meeting, Attendee, Sweden, 2005
Balkan School on Nuclear Physics, Attendee, Turkey, 2004
Türk Fizik Derneği 22. Fizik Kongresi, Attendee, Turkey, 2004
Fifth General Conference of the Balkan Physical Union, Attendee, Serbia And Montenegro, 2003
Türk Fizik Derneği 21. Fizik Kongresi, Attendee, Turkey, 2002
Third International Balkan School on Nuclear Physics, Attendee, Greece, 2002
The Third International Balkan Workshop on Applied Physics, Attendee, Romania, 2002

Citations

Total Citations (WOS):611

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Invited Talks

Yüksek çözünürlüklü yük değişim reaksiyonları, Seminar, Yıldız Teknik Üniversitesi, Turkey, November 2017
High resolution studies of Charge Exchange on $^{47,48}\text{Ti}$ in comparison with the Shell Model Calculations, Conference, Kungl. Tekniska Högskolan (Royal Institute of Technology), Sweden, June 2017
Hızlandırıcılarda Magnetler ve Magnet Tasarımı, Conference, XI. Internationally Participated Summer School on Particle

Accelerators and Detectors, Bodrum, Turkey, September 2016

Hızlandırıcılarda Magnet Sistemleri, Conference, V. Particle Accelerators and Detectors Summer School (IV. UPHDYO)
Bodrum, Turkiye, Turkey, September 2013

High resolution study of Gamow-Teller transitions in the $47\text{Ti}(3\text{He,t})47\text{V}$ reaction, Seminar, Legnaro Ulusal
Laboratuvarı, Italy, January 2013

High resolution study of Gamow-Teller transitions in the $47\text{Ti}(3\text{He,t})47\text{V}$ reaction, Seminar, Istituto Nazionale di Fisica
Nucleare, Laboratori Nazionali del Sud, Italya, Turkey, December 2012

Veri Toplama ve Trigger Teknikleri,, Conference, Turkey, September 2010

Hızlandırıcı Magnetleri, Conference, Turkey, September 2009

Elektronikler, Veri Toplama ve Trigger Teknikleri, Conference, IV. National Particle Accelerators and Detectors Summer
School (IV. UPHDYO) , Turkey, September 2008

Scholarships

2219 Doktora Sonrası Araştırma Bursu, TUBITAK, 2014 - 2015

Awards

GANİOĞLU NUTKU E., İstanbul Üniversitesi 2008 yılı Prof. Dr. Nazım Terzioğlu Ödülü, İstanbul Üniversitesi, April 2009