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Education Information

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

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

Undergraduate, Istanbul University, 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 Gelişimi, 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, Istanbul University, Faculty of Science, Department of Physics, 2002 - 2009

Courses

Nükleer Çekirdeklere Kuantum MEkaniksel Bakış I, Postgraduate, 2018 - 2019, 2017 - 2018, 2012 - 2013, 2011 - 2012
FİZİK LABORATUARI II, Undergraduate, 2017 - 2018
Nükleer Çekirdeklere Kuantum MEkaniksel Bakış II, Postgraduate, 2017 - 2018, 2012 - 2013, 2011 - 2012
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

GANİOĞLU NUTKU E., Çeşitli Gübrelerden Bitkilere Geçen Radyonüklidlerin Gama Spektroskopisi Yöntemi ile İncelenmesi, Postgraduate, D.Boyacı(Student), Continues
GANİOĞLU NUTKU E., CBM Deneyindeki Çift Taraflı Silikon Mikro-Şerit Dedektör Sisteminin Karakterizasyonu, Doctorate, M.Doğan(Student), 2019
GANİOĞLU NUTKU E., Türkiye’de Yetişen Tütünlerdeki Radyoaktif Çekirdek Konsantrasyonlarının Ölçülmesi, Postgraduate, G.Ağgez(Student), 2017
GANİOĞLU NUTKU E., Yüksek Rezolüsyonlu $46\text{Ti}(3\text{He,t})46\text{V}$ Reaksiyonunda Gamow-Teller Geçişlerinin İncelenmesi, Postgraduate, M.Doğan(Student), 2017
GANİOĞLU 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

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Natural and artificial radioactive pollution in sediment and soil samples of the Bosphorus, Istanbul**
Isel P., Şahin Yalçın L., Hafizoğlu N., Ganioglu E., Mülayim A.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.30, no.27, pp.70937-70949, 2023 (SCI-Expanded)
- II. **Radiation doses due to smoking different types of tobacco leaves grown in Turkey**
Aggez G., Ganioglu E., Şahin Yalçın L., Hafizoğlu N.
RADIATION AND ENVIRONMENTAL BIOPHYSICS, vol.61, no.4, pp.615-622, 2022 (SCI-Expanded)
- III. **Total absorption gamma-ray spectroscopy of the ss decays of Y-96gs,Y-m**
Guadilla V., Le Meur L., Fallot M., Briz J. A., Estienne M., Giot L., Porta A., Cucoanes A., Shiba T., Zakari-Issoufou A., et al.
PHYSICAL REVIEW C, vol.106, no.1, 2022 (SCI-Expanded)
- IV. **Radiotoxic Po-210 in Some Marine Species of the Marmara Sea (Tekirdag) and Investigation of Chemical Yield of Various Metals Used in the Spontaneous Deposition Method**
Hafizoğlu N., Sahin L., Ganioglu E., Alicli B. T.
WATER AIR AND SOIL POLLUTION, vol.233, no.7, 2022 (SCI-Expanded)

- V. **The beta-decay of Kr-70 into Br-70: Restoration of the pseudo-SU(4) symmetry**
Vitez-Sveicz A., Algora A., Morales A., Rubio B., Kiss G. G., Sarriguren P., Van Isacker P., de Angelis G., Recchia F., Nishimura S., et al.
PHYSICS LETTERS B, vol.830, 2022 (SCI-Expanded)
- VI. **Identification of excited states in Te-107(52)55**
Zhang W., Cederwall B., Qi C., Ertoprak A., Aktas O., Liu X., Andgren K., Auranen K., Back T., Barber L., et al.
PHYSICAL REVIEW C, vol.104, no.6, 2021 (SCI-Expanded)
- VII. **Total absorption gamma-ray spectroscopy study of the beta-decay of Hg-186**
Algora A., GANIÖĞLU NUTKU E., Sarriguren P., Guadilla V., Fraile L., Nacher E., Rubio B., Tain J., Agramunt J., Gelletly W., et al.
PHYSICS LETTERS B, vol.819, 2021 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **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 (SCI-Expanded)
- XI. **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 (SCI-Expanded)
- XII. **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 (SCI-Expanded)
- XIII. **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 (SCI-Expanded)
- XIV. **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 (SCI-Expanded)
- XV. **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 (SCI-Expanded)
- XVI. **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 (SCI-Expanded)
- XVII. **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 (SCI-Expanded)
- XVIII. **Large Impact of the Decay of Niobium Isomers on the Reactor (v)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 (SCI-Expanded)
- XIX. **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 (SCI-Expanded)
- XX. **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 (SCI-Expanded)
- XXI. **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 (SCI-Expanded)
- XXII. **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 (SCI-Expanded)
- XXIII. **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 (SCI-Expanded)
- XXIV. **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 (SCI-Expanded)
- XXV. **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 (SCI-Expanded)
- XXVI. **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 (SCI-Expanded)
- XXVII. **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 (SCI-Expanded)
- XXVIII. **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 (SCI-Expanded)
- XXIX. **Observation of the 2(+) isomer in Co-52**
ORRIGO S. E. A., Rubio B., Gelletly W., Blank B., Fujita Y., Giovanazzo J., Agramunt J., Algora A., Ascher P., Bilgier B., et al.
PHYSICAL REVIEW C, vol.94, no.4, 2016 (SCI-Expanded)
- XXX. **Two-Proton Radioactivity of Kr-67**
GOIGOUX T., Ascher P., Blank B., Gerbaux M., Giovanazzo J., Grevy S., NIETO T. K., MAGRON C., DOORNENBAL P., KISS G. G., et al.
PHYSICAL REVIEW LETTERS, vol.117, no.16, 2016 (SCI-Expanded)

- XXXI. **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 (SCI-Expanded)
- XXXII. **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 (SCI-Expanded)
- XXXIII. **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 (SCI-Expanded)
- XXXIV. **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 (SCI-Expanded)
- XXXV. **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 (SCI-Expanded)
- XXXVI. **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 (SCI-Expanded)
- XXXVII. **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, no.3, 2015 (SCI-Expanded)
- XXXVIII. **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 (SCI-Expanded)
- XXXIX. **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 (SCI-Expanded)
- XL. **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 (SCI-Expanded)
- XLI. **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 (SCI-Expanded)
- XLII. **Observation of the beta-Delayed gamma-Proton Decay of Zn-56 and its Impact on the Gamow-Teller Strength Evaluation**
Orriego 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 (SCI-Expanded)
- XLIII. **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 (SCI-Expanded)

- XLIV. **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., GANİOĞLU E., SÜSOY DOĞAN G., AKKUŞ B.
PHYSICAL REVIEW LETTERS, vol.112, 2014 (SCI-Expanded)
- XLV. **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 (SCI-Expanded)
- XLVI. **BETA DECAY OF THE EXOTIC $T_z = -2$, ^{56}Zn 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 (SCI-Expanded)
- XLVII. **Properties of $N=90$ isotones within the mean field perspective**
Ganioglu E., Wyss R., Magierski P.
PHYSICAL REVIEW C, vol.89, no.1, 2014 (SCI-Expanded)
- XLVIII. **High-resolution study of $T_z = +2 \rightarrow +1$ 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., Csatos M., Deaven J. M., Estevez-Aguado E., Ganioglu E., Guess C. J., et al.
Physical Review C - Nuclear Physics, vol.88, no.1, 2013 (SCI-Expanded)
- XLIX. **Excited states in ^{129}I**
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 (SCI-Expanded)
- L. **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 (SCI-Expanded)
- LI. **Triaxial deformation and nuclear shape transition in ^{192}Au**
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, no.5, 2012 (SCI-Expanded)
- LII. **High resolution ($^3\text{He},t$) experiment on the double-beta decaying nuclei ^{128}Te and ^{130}Te**
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 (SCI-Expanded)
- LIII. **High-spin study of ^{162}Ta**
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 (SCI-Expanded)
- LIV. **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 (SCI-Expanded)
- LV. **Beta and gamma decays of $J(\pi)=1(+)$, ^{24m}Al 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 (SCI-Expanded)
- LVI. **High-resolution (He-3,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.
PHYSICAL REVIEW C, vol.84, no.5, 2011 (SCI-Expanded)
- LVII. **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 (SCI-Expanded)
- LVIII. **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 (SCI-Expanded)
- LIX. **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 (SCI-Expanded)
- LX. **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.
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- LXI. **Spectroscopy of the neutron-deficient nucleus Os-167(91)**
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- LXII. **Nuclear levels in proton-unbound I-109: Relative single-particle energies beyond the proton drip line**
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- LXIII. **In-beam gamma-ray and alpha-decay spectroscopy of (170)Ir**
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- LXIV. **Identification of excited states in the T-z=1 nucleus Xe-110: Evidence for enhanced collectivity near the N=Z=50 double shell closure**
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- LXV. **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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- LXVI. **First identification of excited states in Ir-169**
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- LXVII. **Study of fission fragments produced by N-14+U-235 reaction**
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collectivity

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Articles Published in Other Journals

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Refereed Congress / Symposium Publications in Proceedings

I. Beta decay along the N=Z line and its relevance in rp-process and X-Ray bursts

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II. Total Absorption Spectroscopy of Fission Fragments Relevant for Reactor Physics and Nuclear Structure and Astrophysics

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15th International Conference on Nuclear Data for Science and Technology (ND), ELECTR NETWORK, 21 - 29 July 2022

III. High-resolution Study of Gamow-Teller Transitions in the $^{165}\text{Ho}(^3\text{He},t)^{165}\text{Er}$ Reaction

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IV. Assessment of Radiotoxic Po-210 Activity Concentrations in Various Food Products Grown in Turkey

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VIII. Determination of ^{210}Po Concentrations using by Radiochemical Methods in Tekirdağ (The Sea of Marmara) Marine Biota

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- IX. **Tekirdağ (Marmara Denizi) Biyotasında Radyokimyasal Yöntemlerle 210Po Konsantrasyonlarının Belirlenmesi**
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- X. **Disentangling decaying isomers and searching for signatures of collective excitations in β decay**
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- XII. **"High resolution studies of Charge Exchange on 47,48Ti in comparison with the Shell Model calculations"**
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- XIII. **New Results on Excited States in the one-particle one-hole nucleus Co-56 measured with MINIBALL detectors**
 Montaner-Piza A., Rubio B., Muecher D., Orrigo S. E. A., Simpson E. C., Gelletly W., Agramunt J., Algora A., Bender C., Fujita Y., et al.
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- XIV. **Total absorption studies of high priority decays for reactor applications: Br-86 and Rb-91**
 Algora A., Rice S., Guadilla V., Tain J. L., Valencia E., Zakari-Issoufou A. -, Agramunt J., Aysto J., Batist L., Briz J. A., et al.
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- XV. **TAGS measurements of Nb-100 ground and isomeric states and Cs-140 for neutrino physics with the new DTAS detector**
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- XVI. **Measurement of the heaviest beta-delayed 2-neutron emitter: Sb-136**
 Caballero-Folch R., Dillmann I., Tain J. L., Agramunt J., Domingo-Pardo C., Algora A., Aysto J., Calvino F., Canete L., Cortes G., et al.
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- XVII. **Strong gamma-ray emission from neutron unbound states populated in beta-decay: Impact on (n,gamma) cross-section estimates**
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- XVIII. **New accurate measurements of neutron emission probabilities for relevant fission products**
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- XIX. **Indoor Gamma Radiation Measurement at Science Faculty of Istanbul University**
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- XX. **Activity Concentration Measurements from Environmental Gamma Radiation in Soil and Sediment Samples Collected from Bosphorus, Istanbul**

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- XXI. **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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- XXIII. **Investigating Neutron-Proton Pairing in sd-Shell Nuclei via (p,3He) and (3He,p) Transfer Reactions**
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- XXIV. **Beta decay of exotic T-Z =-1,-2 nuclei: the interesting case of Zn-56**
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International Nuclear Physics Conference (INPC), Firenze, Italy, 2 - 07 June 2013, vol.66
- XXV. **Triaxial deformation and nuclear shape transition in 192Au**
Öktem Y., Balabanski D. L., Akkuş B., Susam L., Atanasova ., Beausang C. W., Çakırlı R. B., Casten R. F., Danchev M., Djongolov M., et al.
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- XXVI. **GAMOW-TELLER TRANSITIONS IN PROTON RICH NUCLEI DEDUCED FROM THE COMBINED STUDY OF beta-DECAY AND CHARGE-EXCHANGE REACTIONS**
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- XXVII. **High Resolution study of Gamow-Teller transitions in the 47Ti(3He,t)47V reaction**
GANIÖĞLU E.
2nd International Conference on Nuclear Structure and Dynamics, Buchaest, Romania, 16 - 21 September 2012, pp.68
- XXVIII. **Investigation of Gamow-Teller Transitions by Using 92Zr(3He,t)92Nb Reaction**
Közer H., Fujita H., Fujita Y., GANIÖĞLU E., Adachi T., FUJITA K., HASHIMOTO T., Hatanaka K., Kawase K., Matsubara H., et al.
Türk Fizik Derneği 28. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 - 09 September 2012, pp.327-328
- XXIX. **Beta Decay Of Exotic T-Z =-1 And T-Z =-2 Nuclei**
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2nd International Conference on Nuclear Structure and Dynamics, Opatija, Croatia, 9 - 13 July 2012, vol.1491, pp.81-84
- XXX. **Gamow-Teller transitions starting from Tz=+3/2 nucleus 47Ti**
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- XXXI. **Alpha-Decay Studies of 172-Au, 168-Ir, 164 Re Chain and Gamma-Ray Spectroscopy of 172-Au**
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.
The 48th Winter Nuclear and Particle Physics Conference, Banff, Alberta, Canada, 18 - 20 February 2011
- XXXII. **Precise branching ratio of 24mAl beta decay**
Matsuta K., Nishimura D., Fukuda M., Fujita Y., Mihara M., Ganioglu E., Susoy G., Ichikawa Y., Momota S., Kitagawa A., et al.
International Nuclear Physics Conference 2010, INPC2010, Vancouver, Canada, 4 - 09 July 2010, vol.312
- XXXIII. **Gamow-Teller Transitions Starting from T-z=+3/2 Nucleus Sc-45**
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3rd International Conference on Frontiers in Nuclear Structure, Astrophysics and Reactions (FINUSTAR), Rhodes, Greece, 23 - 27 August 2010, vol.1377, pp.435-437

XXXIV. Probing the Collective Degrees of Freedom at the Proton Drip Line in the Extremely Neutron Deficient Hg-172

Sandzelius M., Cederwall B., Ganioglu E., Hadinia B., Andgren K., Back T., Grahn T., Greenlees P. T., Jakobsson U., Johnson A., et al.

4th International Conference on Proton Emitting Nuclei and Related Topics, Bordeaux, France, 6 - 10 June 2011, vol.1409

XXXV. High-resolution study of Fe-56 -> Mn-56 Gamow-Teller transition by the combined analysis of Fe-56(He-3,t)Co-56 and Fe-56(p,p')Fe-56 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

XXXVI. $T_z = \pm 1$ 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., GANIÖĞLU E., et al.

ENAM08, The Fifth International Conference on Exotic Nuclei and Atomic Masses, Poland, 1 - 04 August 2008, pp.1

XXXVII. 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

XXXVIII. Evidence for enhanced collectivity in Te-I-Xe nuclei near the N=Z=50 double shell closure

Cederwall B., Hadinia B., Sandzelius M., Paul E. S., Petri A., Andgren K., Ganioglu E., Darby I. G., Dimmock M. R., Eeckhaudt S., et al.

International Conference on Proton Emitting Nuclei and Related Topics, Lisbon, Portugal, 17 - 23 June 2007, vol.961, pp.156-158

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

GANİÖĞLU E., Wyss R.

6th International Conference of the Balkan Physical Union, Turkey, 1 - 04 August 2006, pp.120

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

Hadinia B., Cederwall B., Blomqvist J., Ganioglu E., Greenlees P. T., Andgren K., Darby I. G., Eeckhaudt S., Ideguchi E., Jones P. M., et al.

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

Supported Projects

GANİÖĞLU 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 - 2022

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

GANİÖĞLU 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

GANİÖĞLU 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

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

Yavaş Ö., Akkuş B., Öktem Y., Ganioglu Nutku E., Çavdar İ., Akıncı F. Ç., Süsoy Doğan G., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Türk Hızlandırıcı Merkezi Teknik Tasarımı ve Test Laboratuvarları, 2005 - 2015

GANİOĞLU NUTKU E., Project Supported by Higher Education Institutions, (3He,t) Yük Değişim Reaksiyonlarıyla Gamow-Teller Geçişlerinin İncelenmesi ve I-129 Çekirdeğinin Uyarılmış Seviyelerinin Bulunması, 2013 - 2014
GANİOĞLU NUTKU E., ÇAVDAR İ., Project Supported by Higher Education Institutions, Yüksek Rezolüsyonlu (3He,t) Reaksiyonuyla $p\bar{f}$ -kabuk Çekirdeklerinin Gamow-Teller Geçişlerinin İncelenmesi, 2010 - 2013
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., Project Supported by Higher Education Institutions, Gamow-Teller geçişlerinde gözlenen kesikli ve rezonans yapılar, 2011 - 2012
GANİOĞLU NUTKU E., Other International Funding Programs, Stabil ve Radyoaktif Hüzme ve Çok Detektörlü Sistemlerle Nükleer Yapı Fiziği Çalışmaları, 2009 - 2012
GANİOĞLU NUTKU E., Project Supported by Higher Education Institutions, Gamow-Teller Transitions Starting from $T_z = +3/2$ Nucleus 47Ti , 2010 - 2010

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

Metrics

Publication: 109
Citation (WoS): 823
Citation (Scopus): 828
H-Index (WoS): 15
H-Index (Scopus): 14

Congress and Symposium Activities

Turkish Physical Society, 29th International Physics Congress, Attendee, Turkey, 2012
2nd European Nuclear Physics Conference (EuNPC201), Attendee, Turkey, 2012
Turkish Physical Society, 28th International Physics Congress, Attendee, Turkey, 2011
THM Proton Hızlandırıcısı Alt-Çalışmayı, Attendee, Turkey, 2011
Neutron deficient exotic nuclei and the Physics of the "proton rich side" of the nuclear chart meeting, Attendee, Spain, 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
7th Turkish Accelerator Center Workshop, Attendee, Turkey, 2009
VI. YUUP Çalıştayı, 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

Invited Talks

Nükleer Fizik: Zorluklar ve Olanaklar, Conference, Yıldız Teknik Üniversitesi, Turkey, December 2023
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, Türkiye, 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, Italy, 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, TÜBİTAK, 2014 - 2015

Awards

GANIOĞLU NUTKU E., İstanbul Üniversitesi 2008 yılı Prof. Dr. Nazım Terziođlu Ödülü, İstanbul Üniversitesi, April 2009

Non Academic Experience

İstanbul Üniversitesi

İstanbul Üniversitesi Fen Fakültesi