

Prof. Ali TUTAY

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAE-7127-2020

Yoksis Researcher ID: 9877

Education Information

Doctorate, Istanbul University, Faculty Of Science, Fizik, Turkey 1994 - 1995

Doctorate, Technische Universitaet Berlin, Seyahat, Turizm Ve Eğlence Hizmetleri, Fizik, Germany 1991 - 1994

Postgraduate, Technische Universitaet Berlin, Fizik, Fizik, Germany 1987 - 1989

Undergraduate, Technische Universitaet Berlin, Fizik , Fizik, Germany 1982 - 1987

Foreign Languages

German, C1 Advanced

English, B2 Upper Intermediate

Dissertations

Doctorate, "960 MeV Yüksek Enerjili $^{32}\text{S}+^{58}\text{Ni}$ Reaksiyonu ile oluşan yeni Bileşik çekirdekler", Istanbul University, Faculty Of Science, Department Of Physics, 1995

Postgraduate, "Low-Level Gammaskopie an Umweltproben mit besondere untersuchungen des influsses der Selbstabsorbtion", Technische Universitaet Berlin, Faculty of Science, Fizik, 1989

Research Areas

Physics, Atomic and Molecular Physics, Theory of Atoms and Molecules, Nuclear physics, General Nuclear Reactions, Natural Sciences

Academic Titles / Tasks

Professor, Istanbul University, Faculty of Science, Department of Physics, 2006 - Continues

Academic and Administrative Experience

Tunceli Üniversitesi, 2009 - 2011

İstanbul Üniversitesi, 2008 - 2009

Courses

Fizik I, Undergraduate, 2017 - 2018, 2015 - 2016, 2013 - 2014

İleri fizik Uygulamaları, Undergraduate, 2013 - 2014

Fizik II, Undergraduate, 2012 - 2013, 2011 - 2012

İleri Fizik Uygulamaları, Undergraduate, 2012 - 2013, 2011 - 2012

Ağır İyonlar Fiziği Ve Reaksiyon Mekanizmaları I , Postgraduate, 2012 - 2013

Fizik I, Undergraduate, 2011 - 2012

Sinkrotron ışını ve uygulamaları I - II , Doctorate, 2012 - 2013

Çekirdek fiziği I, Undergraduate, 2008 - 2009, 2006 - 2007

Fizik I, Undergraduate, 2009 - 2010

Çekirdek fiziği II, Undergraduate, 2007 - 2008

Fizik III, Undergraduate, 1998 - 1999

Advising Theses

TUTAY A., "Elektirik Dağıtım sistemlerinde Kısa Devre Analiz ve Uygulamaları", Postgraduate, O.Yılmaz(Student), 2014

TUTAY A., "Fiber optik Kablolari ve uygulamaları", Postgraduate, S.Yetim(Student), 2011

TUTAY A., "Güneş pillerinin teorik ve uygulamalarının incelenmesi", Postgraduate, E.Erdoğan(Student), 2011

TUTAY A., "Sc-Ni Elementlerinin Sinkrotron Işını İle Reaksiyonu Sonucu Oluşan Fotoiyonizasyonun İncelenmesi",

Doctorate, Ö.Görgülür(Student), 2009

TUTAY A., "Nükleer Manyetik Rezonanz Ultra Kısa (TE) Görüntüleme", Postgraduate, M.Hakan(Student), 2009

TUTAY A., "Nükleer Tıp Uygulamalarında Radyasyon Doz Dağılımlarının Belirlenmesi", Postgraduate,

D.Barınmaz(Student), 2009

Jury Memberships

Post Graduate, Tez Savunma, İstanbul Üniversitesi Fen Bilimleri Enst., June, 2018

Post Graduate, Tez Savunma, İstanbul Üniversitesi Fen Bilimleri Enst., June, 2018

Post Graduate, Tez Savunma, İstanbul Üniversitesi Fen Bilimleri Enst., June, 2018

Appointment to Academic Staff-Assistant Professorship, Atama , Yıldız Teknik Üniversitesi, February, 2018

Doctorate, Tez Savunma jürisi, İstanbul Üniversitesi Fen Bilimleri Ens., January, 2018

Associate Professor Exam, Doçentlik sınavı, İstanbul Üniversitesi, October, 2017

Associate Professor Exam, Doçentlik sınavı, İstanbul Üniversitesi, April, 2017

Associate Professor Exam, Doçentlik sınavı, İstanbul Üniversitesi, April, 2016

Doctorate, Tez savunma jürisi, İstanbul Üniversitesi fen Bilimleri Ens., October, 2014

Appointment to Academic Staff-Assistant Professorship, Doçentlik kadrosuna atanma, Gaziosmanpaşa Üniversitesi, Tokat, June, 2014

Post Graduate, Tez savunma jürisi, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, April, 2014

Appointment to Academic Staff-Assistant Professorship, Akademik Kadro, Işık Üniversitesi, April, 2014

Appointment to Academic Staff-Assistant Professorship, Akademik Kadro atanma jürisi, Gazi Osman Paşa Üniversitesi, September, 2013

Doctorate, Tez savunma jürisi, Yıldız teknik Üniversitesi, April, 2013

Post Graduate, Tez savunma jürisi, İ.Ü., January, 2013

Appointment to Academic Staff-Assistant Professorship, Akademik Kadro atanma jürisi, Yıldız teknik Üniversitesi,

September, 2012

Associate Professor Exam, Doçentlik Jurisi, YÖK, September, 2012

Post Graduate, Tez savunma Jurisi, İ.Ü., June, 2012

Appointment to Academic Staff-Assistant Professorship, Akademik Kadro atma jurisi, Harran Üniversitesi, June, 2012

Doctorate, Tez savunma Jurisi, dicle Üniversitesi, April, 2012

Academic Staff Examination, Akademik Kadro atma jurisi, Tunceli Üniversitesi, May, 2011

Academic Staff Examination, Akademik Kadro atma jurisi, Tunceli Üniversitesi, May, 2011

Appointment to Academic Staff-Assistant Professorship, Akademik Kadro atma jurisi, Tunceli Üniversitesi, December, 2010

Academic Staff Examination, Akademik Kadro atma jurisi, Tunceli Üniversitesi, September, 2010

Doctorate, Tez savunma Jurisi, İ.Ü., May, 2009

Doctorate, Tez savunma Jurisi, İ.Ü., June, 2006

Post Graduate, Tez savunma Jurisi, İ.Ü., February, 2006

Post Graduate, Tez savunma Jurisi, İ.Ü., January, 2006

Post Graduate, Tez savunma Jurisi, İ.Ü., June, 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Geochronology and sources of heavy metal pollution in sediments of Istanbul Strait (Bosporus) outlet area, SW Black Sea, Turkey**
Sari E., Cagatay M. N., Acar D., Belivermis M., Kilic Ö., Arslan T. N., Tutay A., Kurt M. A., Sezer N.
CHEMOSPHERE, vol.205, pp.387-395, 2018 (SCI-Expanded)
- II. **An experimental and theoretical study of the valence shell photoelectron spectrum of tetrafluoromethane**
HOLLAND D., POTTS A., TROFIMOV A., BREIDBACH J., SCHIRMER J., FEIFEL R., RICHTER T., GODEHUSEN K., MARTINS M., TUTAY A., et al.
CHEMICAL PHYSICS, vol.308, pp.43-57, 2005 (SCI-Expanded)
- III. **Simultaneous determination of radiative and nonradiative decay channels in the neon K shell**
Kanngiesser B., Jainz M., Brunken S., Benten W., Gerth C., Godehusen K., Tiedtke K., van Kampen P., Tutay A., Zimmermann P., et al.
PHYSICAL REVIEW A, vol.62, no.1, 2000 (SCI-Expanded)
- IV. **Multiplet effects on the shape of the 3p photoelectron spectrum of atomic Ni**
Tiedtke K., Gerth C., Kanngiesser B., Obst B., Zimmermann P., Martins M., Tutay A.
PHYSICAL REVIEW A, vol.60, no.4, pp.3008-3012, 1999 (SCI-Expanded)
- V. **"Calibration Procedures for Detectors of the Multi-Detector-Setup ARGUS"**
TUTAY A., Budzanowski A., Taymaz A., Siwek A., Pausch G., Homeyer H., Fuchs H.
NUKLEONIKA, vol.Vol. 42, pp.863-876, 1997 (SCI-Expanded)
- VI. **"Multifragmentation Study on 30 AMeV³²S+58Ni"**
TUTAY A., Budzanowski A., Siwek A., Schwarz C., Roeschert G., Pausch G., Homeyer H., Fuchs H., Kantor W., Terlau W.
ZEITSCHRIFT FUR PHYSIK, vol.A 350, pp.327-341, 1995 (SCI-Expanded)
- VII. **TEMPORAL AND THERMAL-PROPERTIES OF INTERMEDIATE-MASS FRAGMENTS FROM THE S-32+NI-58 REACTION AT 30 AMEV**
TUTAY A., BUDZANOWSKI A., FUCHS H., HOMEYER H., PAUSCH G., SCHWARZ C., SIWEK A., TAYMAZ A.
ACTA PHYSICA POLONICA B, vol.26, no.8, pp.1413-1422, 1995 (SCI-Expanded)
- VIII. **"Multifragmentation in the reaction 32S+58Ni at the30 AMeV"**
TUTAY A., Siwek A., Budzanowski A., Fuchs H., Homeyer H., Kantor W., Pausch G., Roeschert G., Schwarz C., Siwek A., et al.
ACTA PHYSICA POLONICA B, vol.Vol 25, pp.765-771, 1994 (SCI-Expanded)
- IX. **PARTICLE IDENTIFICATION IN SOLID-STATE DETECTORS BY EXPLOITING PULSE SHAPE**

INFORMATION

PAUSCH G., Bohne W., Fuchs H., Hilscher D., Homeyer H., Morgenstern H., TUTAY A., WAGNER W.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS
DETECTORS AND ASSOCIATED EQUIPMENT, vol.322, no.1, pp.43-52, 1992 (SCI-Expanded)

Articles Published in Other Journals

- I. **"Photoelectron and Photoion Spectroscopy of transition Metal Compounds using Synchrotron radiation"**
TUTAY A., Martins M., Al-hada M., Yalçinkaya M., Zimmermann P., Görgülüer Ö.
4th International Balkans School on Nuclear Physics, vol.1, no.1, pp.73-74, 2004 (Non Peer-Reviewed Journal)
- II. **"Study of the Reaction 960 MeV $^{32}\text{S} + ^{58}\text{Ni}$ Correlations Between Alpha and Intermediate Mass Fragment (IMF)"**
TUTAY A.
Balkan Physics Letters, vol.vol.12, pp.210-214, 2004 (Peer-Reviewed Journal)
- III. **"Photoexcitation and Photofragmentation of the 3d-transition metal compounds FeCl_2 and FeBr_2 "**
TUTAY A., Al-hada M., Yalçinkaya M., Zimmermann P., Richter T.
Bessy-Annual Report, no.2004, pp.51-52, 2004 (Peer-Reviewed Journal)
- IV. **"Temporal and Thermal Properties of Intermediate Mass Fragments from the $^{32}\text{S}+^{58}\text{Ni}$ Reaction at 30AMeV"**
TUTAY A.
Balkan Physics Letters, pp.293-297, 2000 (Peer-Reviewed Journal)
- V. **"Investigation of 1s decay Channels of Sodium by Photoelectron-Photoion Coincidence Measurements"**
TUTAY A., Kanngiesser B., Godeehusen K., Zimmermann P., Brünken S., Benten W., Walzer W.
Jahrsbericht 2000, Annual report 1, no.1, pp.207-208, 2000 (Peer-Reviewed Journal)
- VI. **"Simultaneous determination of radiative and nonradiative transitions in the decay of atomic innershell hole state "**
TUTAY A., Kanngiesser B., Godeehusen K., Zimmermann P., Brünken S.
Bessy, no.1, pp.138-139, 1999 (Peer-Reviewed Journal)
- VII. **"Untersuchungen am System 960 MeV $^{32}\text{S} + ^{58}\text{Ni}$; Korrelationen zwischen Fragmenten mittlerer Masse"**
TUTAY A., Budzanowski A., Siwek A., Schwarz C., Roeschert G., Pausch G., Homeyer H., Fuchs H., Terlau W.
Jahrsbericht, Annual Report, vol.HMI-520, pp.77-78, 1993 (Peer-Reviewed Journal)
- VIII. **"Study on the Reaction 960 MeV $^{32}\text{S} + ^{58}\text{Ni}$; Correlations Between Light Particles and Intermediate-Mass Fragments"**
TUTAY A., Budzanowski A., Siwek A., Schwarz C., Roeschert G., Homeyer H., Fuchs H., Kantor W., Terlau W., Budzanowski A.
HMI-Bericht, vol.HMI-B-507, pp.70, 1992 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. Acar D., Sari E., Çağatay N., Kiliç Ö., Tutay A., Belivermiş M., "Effects Of The Danube Basin-Sourced Pollution On The Sediments Of Western Black Sea Shelf Of Turkey", 68th Geological Congress of Turkey, ANKARA, TÜRKIYE, 6-10 Nisan 2015, ss.100-101
TUTAY A.
68th Geological Congress of Turkey, ANKARA, TÜRKIYE, 6-10 Nisan 2015, Ankara, Turkey, pp.100
- II. Sedimentation rate and heavy metal pollution in core sediments from south western Black Sea derived from ^{210}Pb and ^{137}Cs chronology
Sarı E., Belivermiş M., Kiliç Ö., Arslan T. N., Sezer N., Çağatay N., Acar D., Tutay A., Kurt M. A.

ENVIRA-2017, Vilnius, Lithuania, 29 May - 02 June 2017, pp.114

- III. **Sedimentary record and degree of heavy metals contamination in near shore area of southwestern Black Sea, Turkey**
SARI E., ACAR D., ÇAĞATAY N., ARSLAN T. N., KILIÇ Ö., TUTAY A., KURT M. A., BELİVERMİŞ M.
Goldshmidt 2016, Yokohama, Japan, 26 June - 01 August 2016, pp.2737
- IV. **Historical Perspective of Heavy Metals Contamination in Core Sediments from the Southwestern Black Sea**
Sari E., Acar D., Çağatay M. N., Arslan T. N., Kiliç Ö., Tutay A., Kurt M. A., Belivermiş M.
7th Geochemistry Symposium with International Participation, Antalya, Turkey, 16 - 18 May 2016, pp.102-103
- V. **Depositional Record of Trace Metals and Degree of Contamination in Core Sediments from the Southwestern Black Sea**
Sari E., Acar D., Çağatay N., Arslan T. N., Kiliç Ö., Tutay A., Kurt M. A., Belivermiş M.
2nd Coastal and Marine Geology Symposium and IODP-ECORD Meeting, İstanbul, Turkey, 15 - 16 October 2015, pp.65-68
- VI. **Effects of the Danube Basin-Sourced pollution on the sediments of Western Black sea Shelf of Turkey**
ACAR D., SARI E., ÇAĞATAY N., KILIÇ Ö., TUTAY A., BELİVERMİŞ M.
68th Geological Congress of Turkey, Ankara, Turkey, 6 - 10 April 2015, pp.100-101
- VII. **Environmental impacts of abandoned coalfields on surface and ground waters in Şile, Istanbul / Turkey**
TUTAY A., Örgün Y., Eraslan C., Sungur M.
29th International Conference of Society for Environmental Geochemistry and Health,, France, 1 - 04 June 2013, pp.122
- VIII. **Study of photoionization processes of 3d transition metal compound COCl₂ using synchrotron radiation**
Goerguelueer O., Al-Hada M., Richter T., Martins M., Tutay A., Zimmermann P.
6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.568
- IX. **Monte Carlo simulation of Z_{>=2} ion track distribution in bone tissue**
Karaman A., Taymaz A., Kanat I., Breiki G., Tutay A.
1996 International Congress on Radiation Protection / 9th International Congress of the International-Radiation-Protection-Association (IRPA9), Vienna, Austria, 14 - 19 April 1996

Supported Projects

SARI E., ACAR D., KURT M. A., ÇAĞATAY N., KILIÇ Ö., ARSLAN T. N., TUTAY A., SEZER N., Project Supported by Higher Education Institutions, Sedimentation rate and heavy metal pollution in core sediments from south western Black Sea derived from 210Pb and 137Cs chronology, 2017 - 2017

Scientific Refereeing

TUBITAK Project, December 2017

Metrics

Publication: 26

Citation (WoS): 143

Citation (Scopus): 104

H-Index (WoS): 5

H-Index (Scopus): 5

Congress and Symposium Activities

Envira 2017 International Conference on Environmental Radioactivity, Attendee, Vilnius, Lithuania, 2017

II. Kıyı ve Deniz Jeolojisi Sempozyumu, Attendee, İstanbul Teknik Üniversitesi, İstanbul, Turkey, 2015

İstanbul Jeoloji Bölümü 100. Kuruluş yılı dönümü, Attendee, İstanbul Üniversitesi, İstanbul, Turkey, 2015

"German-Turkish University Cooperation" İstanbul, Attendee, İstanbul, Turkey, 2014

"VII. International Workshop on Nuclear Structure Properties", Attendee, Sinop, Turkey, 2014

"Turkisch-German Workshop on Particle Accelerators and Light Sources" July 9-10, 2014, Attendee, İstanbul, Turkey, 2014

"Workshop on Nuclear Structure, Astrophysics and Reactions, Turkisch_German", Attendee, İstanbul, Yıldız Teknik Üniversitesi, Turkey, 2014

İyon Kanalları ve Kanser Sempozyumu, Attendee, İstanbul, Turkey, 2014

"İstanbul Yüksek Enerji Fiziği Çalıştayı", Attendee, İstanbul, Özyeğin Üniversitesi, Turkey, 2014

"Alçak Enerjilerde Döteron-Hafif Çekirdek Reaksiyonlarının İncelenmesi", Attendee, İzmir, Turkey, 2012

Ağır İyon Reaksiyonlarında Çoklu Parçalanma (Multi Fragmentasyon = MF), Attendee, İzmir, Turkey, 2012

"Tunceli-dersim sempozyumu", Attendee, Tunceli, Turkey, 2010

World Year of Physics Turkisch Physical Society IV. International Conference and Festival of Physics Students, Attendee, 31 August – 03 September 2005 İzmir / Türkiye, Turkey, 2005

22. TFD Kongresi, Attendee, Bodrum, Turkey, 2004

4th International Balkan School on Nuclear Physics, Attendee, Bodrum, Turkey, 2004

Bessy User's Meeting, Attendee, Berlin December 4-5, 2003 Berlin, Adlershof, Germany, 2003

Second International Balkan School on Nuclear Physics, Attendee, Bodrum/Turkey, Turkey, 2000

International Nuclear Physics Conference, Attendee, Paris, Turkey, 1998

Der Deutsche Physikalischen Gesellschaft, Attendee, Köln , Germany, 1995

Der Deutsche Physikalischen Gesellschaft, Attendee, München, Germany, 1994

Der Deutsche Physikalischen Gesellschaft, Attendee, Mainz, Germany, 1993

Der Deutsche Physikalischen Gesellschaft, Attendee, Salzburg, Austria, 1992