

Prof. Kutsal BOZKURT

Personal Information

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Biography

Kutsal Bozkurt currently works at the Department of Physics, Yıldız Technical University. He is working on Nuclear Structure Theory (Multipole excitations in nuclei, Low-energy strength, Finite temperature mean field theory, Hypernuclei structure, Nuclear matter, Neutron Star) and Nuclear Technology's & Applied Physics (Betavoltaic energy converters, Betavoltaic and Conductivity properties on InP/GaAs/GaN p-i-n diode, Nuclear battery, Nuclear imaging modeling, Charge transport in BB-12).

Education Information

Doctorate, Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, Turkey 1999 - 2003

Post Graduate, Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, Turkey 1996 - 1999

Under Graduate, Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, Turkey 1990 - 1996

Research Areas

Physics, Interdisciplinary Physics and Related Science and Technology Areas, Nuclear physics, Properties of Nuclei, Nuclear Structure, Natural Sciences

Academic Titles / Tasks

Professor, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Fizik, 2019 - Continues

Associate Professor, Université Paris-Sud: Paris XI, Institut De Physique Nucleaire, Physique Theorique, 2019 - 2019

Associate Professor, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Fizik, 2012 - 2019

Associate Professor, Université Paris-Sud: Paris XI, Institut De Physique Nucleaire, Physique Theorique, 2018 - 2018

Associate Professor, Université Paris-Sud: Paris XI, Institut De Physique Nucleaire, Physique Theorique, 2017 - 2017

Associate Professor, Université Paris-Sud: Paris XI, Institut De Physique Nucleaire, Physique Theorique, 2016 - 2016

Associate Professor, Université Paris-Sud: Paris XI, Institut De Physique Nucleaire, Physique Theorique, 2015 - 2015

Associate Professor, Université Paris-Sud: Paris XI, Institut De Physique Nucleaire, Physique Theorique, 2014 - 2014

Associate Professor, Université Paris-Sud: Paris XI, Institut De Physique Nucleaire, Physique Theorique, 2013 - 2013

Associate Professor, Université Paris-Sud: Paris XI, Institut De Physique Nucleaire, Physique Theorique, 2012 - 2012

Assistant Professor, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Fizik, 2005 - 2012

Assistant Professor, Université Paris-Sud: Paris XI, Institut De Physique Nucleaire, Physique Theorique, 2011 - 2011

Assistant Professor, Université Paris-Sud: Paris XI, Institut De Physique Nucleaire, Physique Theorique, 2010 - 2010

Assistant Professor, Université Paris-Sud: Paris XI, Institut De Physique Nucleaire, Physique Theorique, 2009 - 2009

Assistant Professor, Université Paris-Sud: Paris XI, Institut De Physique Nucleaire, Physique Theorique, 2007 - 2007

Lecturer PhD, Universitaet Siegen, Detektorphysik Und Elektronik, Physik, 2003 - 2004

Research Assistant, Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2000 - 2003

Research Assistant, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Çevre Müh., 1997 - 2000

Professional Experience

Erasmus Coordinator, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Fizik, 2008 - Continues
Farabi Coordinator, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Fizik, 2010 - 2015
Deputy Head of Department, Yıldız Teknik Üniversitesi, Fizik, 2006 - 2015

Courses

Quantum Physics 1, Under Graduate, 2019 - 2020
Nuclear Theory 1, Post Graduate, 2018 - 2019
Quantum Physics 2, Under Graduate, 2017 - 2018, 2018 - 2019
Technical English 1, Under Graduate, 2017 - 2018, 2018 - 2019
Quantum Mechanics 1, Post Graduate, 2018 - 2019
Technical English 2, Under Graduate, 2017 - 2018
Physics 1, Under Graduate, 2017 - 2018
Physics 2, Under Graduate, 2017 - 2018

Advising Theses

BOZKURT K., Ortalama Alan Teorisi ile Hiperçekirdeklerin Temel Durum ve Uyarılmış Durumlarının İncelenmesi, Post Graduate, E.Akpınar(Student), 2018
BOZKURT K., Hartree-Fock-Bogoliubov Yöntemi ile egzotik çekirdeklere Sihirliliğin İncelenmesi, Post Graduate, F.Ok(Student), 2018
BOZKURT K., Metal-Organik Kimyasal Buharlaştırma Tekniği ile Büyütülmüş Uzun Dalgaboylu Lazer Yapıların Elektriksel Özelliklerinin İncelenmesi, Doctorate, N.Ayarcı(Student), 2017
BOZKURT K., Microscopic Description of Neutron Star Crusts, Doctorate, H.Zahid(Student), 2017
BOZKURT K., Microscopic Description of Neutron Star Crusts, Doctorate, H.Zahid(Student), 2016
BOZKURT K., Mean Field Description of Finite Nuclei Under Extreme Conditions of Isospin and Temperature, Doctorate, E.Yüksel(Student), 2015
BOZKURT K., Çevre Örneklerinde Nötron Aktivasyon Yöntemi ile Eser Ağır Metal Ölçümleri, Post Graduate, D.Soya(Student), 2014
BOZKURT K., Hafif, orta ve ağır çekirdeklere spin-yörünge yarılmalarının ve proton enerji aralıklarının tensör katkısı ile değişiminin incelenmesi, Post Graduate, Ç.Gök(Student), 2014
BOZKURT K., Nötron bakımından zengin atom çekirdeklerinde dev çoklu rezonansların incelenmesi, Post Graduate, E.Çınar(Student), 2013
BOZKURT K., İzole nötron yıldızlarının T-tSNR yas uyumsuzluğu problemine bağlı evrimi, Post Graduate, P.Kütükçü(Student), 2012
BOZKURT K., Nötron bakımından zengin hafif ve ağır atom çekirdeklerinde skyrme etkilesmesini kullanarak cu'ce dipol rezonansların incelenmesi, Post Graduate, E.Yüksel(Student), 2011
BOZKURT K., Landau parametrelerinin nükleer madde ve nötron madde için hesaplanması, Post Graduate, S.Boy(Student), 2011

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

- **Enhancement of Ni-63 planar source efficiency for betavoltaic batteries**
Belghachi A., Bozkurt K., Özdemir O., Avcı Ö.
Journal Of Physics D-Applied Physics, vol.1, pp.1-15, 2020 (Journal Indexed in SCI)
- **A model for Ni-63 source for betavoltaic application**
Belghachi A., Bozkurt K., Moughli H., Özdemir O., Amiri B., Talhi A.
Acta Physica Polonica A, vol.137, pp.324-331, 2020 (Journal Indexed in SCI)
- **Transport and storage dynamics of 30% In-rich InGaN/GaN MQW LED p-i-n structure**
Özdemir O., Bozkurt K., Kuruoglu N. A. , Baş H., Alshehri B., Dogheche K., Gaimard Q., Ramdane A., Dogheche E.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.52, 2019 (Journal Indexed in SCI)

- **Impact of trap states on inductive phenomena in 30% InGa/GaN MOW LED devices**
BOZKURT K., ÖZDEMİR O., KURUOĞLU N., ALSHEHRI B., DOGHECHE K., GAIMARD Q., RAMDANE A., DOGHECHE E.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.52, 2019 (Journal Indexed in SCI)
- **Lambda Lambda pairing in multistrange hypernuclei**
Güven H., BOZKURT K., Khan E., Margueron J.
PHYSICAL REVIEW C, vol.98, 2018 (Journal Indexed in SCI)
- **Dc and ac electrical response of MOCVD grown GaN in p-i-n structure, assessed through I-V and admittance measurement**
Kuruoglu N., ÖZDEMİR O., BOZKURT K., Sundaram S., Salvestrini J., Ougazzaden A., Gaimard Q., BELAHSENE S., Merghem K., RAMDANE A.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.50, 2017 (Journal Indexed in SCI)
- **Betavoltaic study of a GaN p-i-n structure grown by metal-organic vapour phase epitaxy with a Ni-63 source**
Kuruoglu N., ÖZDEMİR O., BOZKURT K.
THIN SOLID FILMS, vol.636, pp.746-750, 2017 (Journal Indexed in SCI)
- **Multipole excitations in hot nuclei within the finite temperature quasiparticle random phase approximation framework**
YÜKSEL E., COLO G., KHAN E., NIU Y. F. , BOZKURT K.
PHYSICAL REVIEW C, vol.96, 2017 (Journal Indexed in SCI)
- **Simultaneous Determination of Electron and Hole Mobilities in InP/InGaAsP/InAs/InP Laser Heterostructure by Admittance Spectroscopy**
Kuruoglu N., ÖZDEMİR O., BOZKURT K., BELAHSENE S., MARTINEZ A., RAMDANE A.
IEEE TRANSACTIONS ON ELECTRON DEVICES, vol.64, pp.2881-2885, 2017 (Journal Indexed in SCI)
- **Discrimination of Carrier Conduction Mechanisms of InP/InGaAsP/InAs/InP Laser Structure Through J-V-T Measurements**
Ayarci N., ÖZDEMİR O., BOZKURT K., RAMDANE A., BELAHSENE S., MARTINEZ A.
IEEE TRANSACTIONS ON ELECTRON DEVICES, vol.63, pp.1866-1870, 2016 (Journal Indexed in SCI)
- **Effect of temperature on the effective mass and the neutron skin of nuclei**
Yüksel E., Khan E., Bozkurt K., Colo G.
EUROPEAN PHYSICAL JOURNAL A, vol.50, 2014 (Journal Indexed in SCI)
- **Effects of the tensor force on the ground state and first 2(+) states of the magic Ca-54 nucleus**
Yüksel E., Van Giai N., Khan E., Bozkurt K.
PHYSICAL REVIEW C, vol.89, 2014 (Journal Indexed in SCI)
- **DETAILED INVESTIGATION OF THE TENSOR FORCE ON THE EVALUATION OF THE SINGLE PARTICLE LEVELS OF Z=28 AND Z=82 NUCLEI**
Yüksel E., Gök Ç., Bozkurt K.
MODERN PHYSICS LETTERS A, vol.28, 2013 (Journal Indexed in SCI)
- **The soft Giant Monopole Resonance as a probe of the spin-orbit splitting**
Yüksel E., Khan E., Bozkurt K.
EUROPEAN PHYSICAL JOURNAL A, vol.49, 2013 (Journal Indexed in SCI)
- **Tensor Effects in Dipole Excitations at Finite Temperature**
Yüksel E., Bozkurt K.
ACTA PHYSICA POLONICA A, vol.123, pp.320-322, 2013 (Journal Indexed in SCI)
- **Analysis of the neutron and proton contributions to the pygmy dipole mode in doubly magic nuclei**
Yüksel E., Khan E., Bozkurt K.
NUCLEAR PHYSICS A, vol.877, pp.35-50, 2012 (Journal Indexed in SCI)
- **TENSOR EFFECTS IN PYGMY DIPOLE EXCITATION**
YÜKSEL E., BOZKURT K.
INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS, vol.20, pp.2143-2151, 2011 (Journal Indexed in SCI)
- **ISOVECTOR PYGMY DIPOLE EXCITATION IN NEUTRON-RICH NUCLEI**
BOZKURT K.

MODERN PHYSICS LETTERS A, vol.25, pp.2905-2913, 2010 (Journal Indexed in SCI)

- **Pygmy and Giant Dipole Response Function in Neutron Rich Nuclei at Finite Temperature**
BOZKURT K., Sirin M.
AIP Conference Proceeding, vol.1203, 2010 (Journal Indexed in SCI)
- **PYGMY DIPOLE RESONANCE AND TWO NEUTRON SEPARATION ENERGIES IN SOFT AND HEAVY NUCLEI**
BOZKURT K.
INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS, vol.19, pp.1371-1381, 2010 (Journal Indexed in SCI)
- **Dipole Response Function of Nuclear Matter with Pairing Correlations**
BOZKURT K.
JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, vol.77, 2008 (Journal Indexed in SCI)
- **Isovector response of nuclear matter at finite temperature**
Ayik S., BOZKURT K., Gokalp A., YILMAZ O.
ACTA PHYSICA POLONICA B, vol.39, pp.1413-1427, 2008 (Journal Indexed in SCI)
- **Isovector collective response function of nuclear matter at finite temperature**
Bozkurt K.
INTERNATIONAL JOURNAL OF MODERN PHYSICS E, vol.13, pp.949-959, 2004 (Journal Indexed in SCI)
- **Collisional effects in isovector response function of nuclear matter at finite temperature**
Ayik S., Gokalp A., Yilmaz O., BOZKURT K.
ACTA PHYSICA POLONICA B, vol.34, pp.4229-4239, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Charge Transport in Bifidobacterium animalis subsp.lactis BB-12 under Various Atmospheres**
Bozkurt K., Denктаş C., Özdemir O., Altındal A., Avdan Z., Bozkurt H. S.
Open Journal of Applied Sciences, vol.9, pp.506-514, 2019 (Refereed Journals of Other Institutions)
- **Investigation of Carrier Conduction Mechanism over InAs/InP Quantum Dashes and InAs/GaAs Quantum Dots Based p-i-n Laser Heterostructures**
Ayarcı Kuruoğlu N., Özdemir O., Bozkurt K.
Journal of Materials Science and Chemical Engineering, no.9, pp.1-9, 2017 (Refereed Journals of Other Institutions)
- **Electroluminescence Study of InP/InGaAsP/InAs/InP p-i-n Laser Heterostructure**
BOZKURT K.
Sigma Journal of Engineering and Natural Sciences, vol.34, 2016 (Refereed Journals of Other Institutions)
- **Isovector Giant Dipole Excitations in Hot Nuclear Matter**
ŞAHİN E., BOZKURT K.
Balkan Physics Letters, vol.1203, pp.11, 2009 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- **The Ground State properties of Multi-Strange Hypernuclei within the Hartree-Fock Method**
AKPINAR E., GÜVEN H. Z. , BOZKURT K.
Turkish Physical Society 35th International Physics Congress, 4 - 08 Eylül 2019
- **Constraining the Nuclear Equation of State by Tidal Deformability: Correlations between the Empirical Parameters**
BOZKURT K., GÜVEN H. Z. , KHAN E., MARGUERON J.
Turkish Physical Society 35th International Physics Congress, 4 - 08 Eylül 2019
- **Effect of Bulk Trap in GaN Barrier Layer on the Electroluminescence Spectral Properties of InGaN/GaN Multiple Quantum Well LED Device**
ÖZDEMİR O., BOZKURT K., AYARCI N., BAŞ H., ALSHEHRI B., DOGHECHE K., GAIMARD Q., RAMDANE A., DOGHECHE E.

Turkish Physical Society 35th International Physics Congress, 4 - 08 Eylül 2019

- **Constraining the Nuclear Equation of State by Tidal Deformability: Empirical Parameters**

GÜVEN H. Z. , BOZKURT K., KHAN E., MARGUERON J.

Turkish Physical Society 35th International Physics Congress, 4 - 08 Eylül 2019

- **ELECTROLUMINESCENCE (EL) STUDY OF 10 INGAN/GAN MQW LED DEVICES**

BAŞ H., ÖZDEMİR O., AYARCI N., BOZKURT K., ALSHEHRI B., DOGHECHE K., GAIMARD Q., RAMDANE A., DOGHECHE E.

Turkish Physical Society 35th International Physics Congress, 4 - 08 Eylül 2019

- **A Mathematical Model of Ni-63 Source for Betavoltaic Applications**

BOZKURT K., BELGHACHI A., MOUGHLI H., ÖZDEMİR O., AMIRI B., TALHI A.

Turkish Physical Society 35th International Physics Congress, 4 - 08 Eylül 2019

- **Electro-Optical Analysis of 30 InGaN/GaN MQW LED Devices**

BOZKURT K., ÖZDEMİR O., AYARCI N., ALSHEHRI B., DOGHECHE K., GAIMARD Q., RAMDANE A., DOGHECHE E.

10th International Conference on Materials for Advanced Technologies (ICMAT-2019), 23 - 28 Haziran 2019

- **Pairing Correlations in Multi-Strange Hypernuclei with the Hartree-Fock-Bogoliubov (HFB) Method**

BOZKURT K., Zahid Güven H., Khan E., Margueron J.

Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 04 Eylül 2018, pp.532

- **Simultaneous Determination of Electron and Hole Mobility in InGaN/GaN Multi Quantum Well LED Through AC Admittance Spectroscopy**

AYARCI KURUOĞLU N., ÖZDEMİR O., BOZKURT K., ALSHEHRI B., DOGHECHE K., GAIMARD Q., RAMDANE A., DOGHECHE E.

Turkish Physical Society 34.th International Physics Congress, Muğla, Turkey, 05 Eylül 2018

- **Determination of Conduction Path in InGaN/GaN MQW LED by Current-Voltage and Admittance Measurements**

ÖZDEMİR O., AYARCI KURUOĞLU N., BOZKURT K., BAŞ H., ALSHEHRI B., DOGHECHE K., GAIMARD Q., RAMDANE A., DOGHECHE E.

Turkish Physical Society 34.th International Physics Congress, Muğla, Turkey, 05 Eylül 2018

- **Light Emission Bands of InGaN/GaN MQW based LED in P-I-N Structures**

BAŞ H., ÖZDEMİR O., AYARCI KURUOĞLU N., BOZKURT K., ALSHEHRI B., DOGHECHE K., GAIMARD Q., RAMDANE A., DOGHECHE E.

Turkish Physical Society 34.th International Physics Congress, Muğla, Turkey, 05 Eylül 2018

- **Luminescence Properties of In-Rich InGaN/GaN Multiple Quantum Wells Light Emitting Diodes**

BOZKURT K., ÖZDEMİR O., AYARCI KURUOĞLU N., ALSHEHRI B., DOGHECHE K., GAIMARD Q., RAMDANE A., DOGHECHE E.

Turkish Physical Society 34.th International Physics Congress, Muğla, Turkey, 05 Eylül 2018

- **Gravitational Wave Constrictions to the Nuclear Equation of State**

Zahid Güven H., BOZKURT K., Khan E., Margueron J.

Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 04 Eylül 2018, pp.60

- **Exploring the magicity for the ^{78}Ni nucleus**

OK F., Guven H. Z. , BOZKURT K., YÜKSEL E.

Theoretical and Experimental Studies in Nuclear Applications and Technology- TESNAT 2018, Antalya, Turkey, 20 Nisan 2018

- **Investigation of Magicity for Z=16 Isotopes and N=12 Isotones with Skyrme-Hartree-Fock-Bogoliubov Approach**

OK F., GUVEN H. Z. , BOZKURT K.

Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, 6 - 10 Eylül 2017

- **Effect of Ni-63 Radiations on MBE Grown GaN in p-i-n Structure by Admittance Spectroscopy**

BOZKURT K., AYARCI KURUOĞLU N., ÖZDEMİR O., Belahsene S., Martinez A., Ramdane A.

XL BRAZILIAN MEETING ON NUCLEAR PHYSICS, Sao Paulo, Brazil, 03 Eylül 2017, pp.1

- **Detailed investigation of the tensor force on the evaluation of magicity for the Si isotopes, N=20 and N=28 isotones with Skyrme-Hartree-Fock-Bogoliubov calculations**

GÜVEN H. Z. , OK F., YÜKSEL E., BOZKURT K.

Theoretical and Experimental Studies in Nuclear Applications and Technology, TESNAT 2017, Adana, Turkey, 10 Mayıs 2017, pp.46

- **Lamda-Lamda Çiftlenim Etkileşimi ile Lamda Hiper Çekirdeklerinin Skyrme Ortalama Alan Hesaplamaları**
BOZKURT K.
İSTANBUL YÜKSEK ENERJİ FİZİĞİ ÇALIŞTAYI 2017, İstanbul, Turkey, 6 - 07 Mayıs 2017
- **MBE Tekniği ile Büyütülmüş p-i-n GaN Yapıdaki Ni 63 Radyasyon Etkisinin Empedans Spektroskopisiyle İncelenmesi**
BOZKURT K., AYARCI N., ÖZDEMİR O.
XI. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi., Turkey, 12 - 14 Ekim 2016
- **Effect of the temperature on the dipole and quadrupole excitations in nuclei**
YÜKSEL E., COLO G., KHAN E., Yifei N., BOZKURT K.
XXIII Nuclear Physics Workshop, 27 Eylül - 02 Ekim 2016
- **Betavoltaic study on GaN p-i-n diode with Ni-63 source**
AYARCI KURUOĞLU N., ÖZDEMİR O., BOZKURT K., Ramdane A., Belahsene S., Martinez A.
Science and Applications of Thin Films, Congress & Exhibition - SATF 2016, İzmir, Turkey, 19 Eylül 2016
- **Theoretical Study on the Properties of Z 20 and Z 48 Isotopic Chain**
OK F., YÜKSEL E., BOZKURT K.
Türk Fizik Derneği 32. Uluslararası Fizik Kongresi, 6 - 09 Eylül 2016
- **Theoretical study on the properties of Z=20 and Z=48 isotopic chains**
Ok F., Yüksel E., Bozkurt K.
Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 Eylül 2016
- **Negative capacitance in InP/InGaAsP/InP quantum dashes assessed through dc and ac electrical measurements.**
AYARCI KURUOĞLU N., ÖZDEMİR O., BOZKURT K.
Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 06 Eylül 2016
- **Exploration of magicity for Z=120 isotopes using the Skyrme Hartree Fock Bogoulibov Approximation**
Güven H. Z. , Bozkurt K., Yüksel E.
Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 Eylül 2016
- **Electroluminescence study of MBE (Molecular Beam Epitaxy) grown InP/InGaN/InAs/InP p-i-n laser heterostructure**
BOZKURT K., AYARCI KURUOĞLU N., ÖZDEMİR O.
Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 06 Eylül 2016
- **Transport Mechanisms of InAs/InP Quantum Dashes and InAs/GaAs Quantum Dots Based p-i-n Laser Heterostructure**
AYARCI KURUOĞLU N., ÖZDEMİR O., BOZKURT K.
2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), Çanakkale, Turkey, 16 Mayıs 2016
- **Photo-voltaic Properties and Carrier Conduction Mechanisms of InP/InGaAsP/InP Quantum Well Through J-V-T Measurements**
AYARCI KURUOĞLU N., ÖZDEMİR O., BOZKURT K., Ramdane A., Belahsene S., Martinez A.
SOLAR-TR3, Ankara, Turkey, 27 Nisan 2016
- **Evolution of multipole response in nuclei at finite temperature Collective Motion in Nuclei under Extreme Conditions**
YÜKSEL E., Elias K., Gianluca C., BOZKURT K.
Collective Motion in Nuclei under Extreme Conditions, COMEX-5, Krakow, Poland, 13 - 15 Eylül 2015
- **Low energy modes in Atomic nuclei**
YÜKSEL E., Elias K., BOZKURT K.
VII. International Workshop on Nuclear Structure Properties, Sinop, Turkey, 29 - 31 Ekim 2014
- **Tensor and Temperature effects on the nuclear properties**
YÜKSEL E., Khan E., BOZKURT K., Van Giai N., Colo G.
NUBA Conference Series-1 Nuclear Physics and Astrophysics, Antalya, Turkey, 14 - 21 Eylül 2014
- **Investigation of the neutron skin thickness via low-energy modes of nuclei**
Bozkurt K., Yüksel E.

International Advances in Applied Physics and Materials Science Congress (APMAS), Muğla, Turkey, 24 - 27 Nisan 2014, pp.1

- **Pairing properties of hot nuclei within the finite temperature Hartree Fock plus BCS approximation**
YÜKSEL E., Khan E., BOZKURT K.
20th International School on Nuclear Physics, Neutron Physics and Applications, Varna, Bulgaria, 16 - 22 September 2013, vol.533
- **Effect of tensor interaction on the ground state properties of light medium and heavy nuclei**
Gök Ç., YÜKSEL E., BOZKURT K.
XX International School on Nuclear Physics, Neutron Physics and Applications. Varna-Bulgaristan., 15 - 20 Eylül 2013
- **Investigation of Bubble nuclei**
YÜKSEL E., BOZKURT K.
APMAS (International Advances in Applied Physics and Materials Science Congress). Antalya., Antalya, Turkey, 21 - 25 Nisan 2013
- **Investigation of tensor correlations on the single particle properties of heavy nuclei**
YÜKSEL E., BOZKURT K.
APMAS (International Advances in Applied Physics and Materials Science Congress). Antalya., Antalya, Turkey, 21 - 25 Nisan 2013
- **Investigation of Potential to Produce Electricity from Commercial Solar Cell Through Beta Particles**
AYARCI KURUOĞLU N., BOZKURT K., ÖZDEMİR O., MENDA U. D. , AKÇALI Ö., KUTLU K.
APMAS 2013, Antalya, Turkey, 15 Nisan 2013
- **Nuclear Battery: Betavoltaic Power Source and Applications**
AYARCI KURUOĞLU N., BOZKURT K., ÖZDEMİR O., KUTLU K.
SUNEC-2012, Sicily, Italy, 08 Ekim 2012
- **Tensor Effects in Dipole Excitations at Finite Temperature**
YÜKSEL E., BOZKURT K.
APMAS 2012, İstanbul, Turkey, 26 - 29 Nisan 2012
- **Low Energy strength in Calcium Isotopes**
YÜKSEL E., BOZKURT K.
COMEX-4 (Collective Motion in Nuclei under Extreme Conditions), Kanagawa, JAPONYA., 27 Ekim 2012 - 30 Eylül 2011
- **Isovector Pygmy dipole strength in ^{68}Ni**
YÜKSEL E., BOZKURT K.
Turkish Physical Society 28th International Physics Congress., 1 - 03 Eylül 2011
- **Investigation of tensor effects on the pygmy dipole resonance of neutron rich nuclei**
YÜKSEL E., BOZKURT K.
Turkish Physical Society 28th International Physics Congress., 1 - 03 Eylül 2011
- **Relationship Between Earthquake and Ionospheric TEC**
AKPAÇA C., BOZKURT K.
EGU General Assembly 2011, 11 - 15 Nisan 2011
- **Investigation of Electrical Transport in PECVD grown a SiCx H Thin Film**
ÖZDEMİR O., BOZKURT K., KUTLU K.
21st European Conference on Diamond, Diamond- Like Materials, Carbon Nanotubes, and Nitrides, 5 - 09 Eylül 2010
- **Pygmy Dipole Resonance in neutron rich nuclei with Skyrme and Gogny interactions**
YÜKSEL E., BOZKURT K.
Turkish Physical Society 27th International Physics Congress, 1 - 05 Eylül 2010
- **Pygmy and Giant Dipole Response Function in Neutron Rich Nuclei at Finite Temperature**
ŞAHİN E., BOZKURT K., ŞİRİN M.
The 7th General Conference of the Balkan Physical Union Alexandroupolis 9 - 13 September 2009, Alexandroupoli, Greece, 8 - 14 Eylül 2009
- **Giant dipole response function at finite temperature**
GÖKALP A., BOZKURT K., YILMAZ O.

17. Physics Education, Second International Balkan School on Nuclear Physics, 4 - 08 Eylül 2000

- **Giant dipole response function at finite temperatures**

BOZKURT K., Yılmaz O.

17. Physics Education, Second International Balkan School on Nuclear Physics

- **Dipole Response Function of Nuclear Matter with and without Pairing Correlations**

BOZKURT K.

COMEX-3, Michigan, USA

- **Exploration of magicity for Z=120 isotopes using the Skyrme Hartree Fock Bogoulibov Approximation**

Yüksel E., BOZKURT K.

Turkish Physical Society 32nd International Physics Congress

- **Tensor and Temperature effects on the nuclear properties**

Khan E., BOZKURT K., Giai N. V. , Colo G.

NUBA Conference Series-1 Nuclear Physics and Astrophysics.

- **Betavoltaic Study on GaN p-i-n Diode**

Özdemir O., BOZKURT K., Ramdane A., Belahsene S., Martinez A.

XXI International School on Nuclear Physics, Neutron Physics and Applications

- **Theoretical study on the properties of Z=20 and Z=48 isotopic chains**

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Turkish Physical Society 32nd International Physics Congress

- **Effect of tensor interaction on the ground state properties of light, medium and heavy nuclei**

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- **Evolution of multipole response in nuclei at finite temperature**

Khan E., Colo G., BOZKURT K.

Collective Motion in Nuclei under Extreme Conditions (COMEX5)

- **Investigation of interactions of GPS Signals with Ionosphere in Marmara Region**

CAN Z., Bozkurt K., Elçin B., Oğuz O., Kutlu K.

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- **Low energy modes in Atomic nuclei.**

Khan E., BOZKURT K.

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- **Determination of Thermal Neutron Fluence of Ra - Be Neutron Source by Particle Swarm Optimization**

Akcali O., BOZKURT K.

Turkish Physical Society 28th International Physics Congress, İstanbul/Türkiye,

- **Low-Energy Strength in Calcium Isotopes**

BOZKURT K., Khan E.

COMEX-4 (Collective Motion in Nuclei under Extreme Conditions), Kanagawa, JAPONYA

Supported Projects

Bozkurt K., Akpınar E., Güven H. Z. , TUBITAK Project, Ortalama Alan Teorisi ile Hiperçekirdeklerin ve Süperçekirdeklerin Yapısının İncelenmesi, 2018 - 2020

AYARCI KURUOĞLU N., ÖZDEMİR O., BOZKURT K., Project Supported by Higher Education Institutions, %30 İnan katkılı InxGa1-xN/GaN çoklu kuantum kuyuların optoelektronik özelliklerinin incelenmesi, 2018 - 2019

Bozkurt K., Khan E., Güven H. Z. , Other Supported Projects, Investigation of the Structure of Neutron Star and Hypernuclei, 2018 - 2019

Yetkin T., Bozkurt K., Durusoy A., Akçalı Ö., Erduran M. N. , Özok F., Zengin A. T. , Akbeniz Ş., TUBITAK Project, Gama Kamerası Modernizasyonu İçin Yöntem Geliştirilmesi ve Deneysel Uygulaması, 2017 - 2019

BOZKURT K., AYARCI KURUOĞLU N., Project Supported by Higher Education Institutions, Metal-organik kimyasal buharlaştırma tekniği ile büyütülmüş uzun dalga boylu lazer yapıların elektriksel özelliklerinin incelenmesi, 2015 - 2018

BOZKURT K., Project Supported by Higher Education Institutions, Radyasyonun Güneş Pilleri Üzerindeki Etkisinin İncelenmesi ve Nükleer Piller, 2015 - 2018

Bozkurt K., Ok F., Güven H. Z. , Khan E., TUBITAK Project, Nükleer Uyarılmaların Farklı İzospin ve Sıcaklık Koşulları

Altında Çalışılması, 2015 - 2017

BOZKURT K., Project Supported by Higher Education Institutions, Nötron Bakımından Zengin Çekirdeklere Nükleer Kollektif Modların QRPA Yöntemi ile İncelenmesi, 2014 - 2016

BOZKURT K., Project Supported by Higher Education Institutions, Çevre Örneklerinde Nötron Aktivasyon Yöntemi İle Eser Ağır Metal Ölçümleri, 2012 - 2014

BOZKURT K., Project Supported by Other Official Institutions, CERN-Büyük Hadron Çarpıştırıcısı (LHC) Deneylerinden Alice de 14TeV Kütle Merkezi Enerjili Proton-Proton Çarpışmalarında Acayip Parçacık Üretiminin İncelenmesi, 2008 - 2010

GÜLAL V. E. , BOZKURT K., CAN Z., Other Supported Projects, Konum Belirlenmesinde Önemli Bir Rol Oynayan GPS Sinyallerinin İyonosferle Etkileşimi, 2007 - 2009

Bozkurt K., Giai N. V. , Other Supported Projects, Quasiparticle Random Phase Approximation (QRPA) in Coordinate Space, Institut de Physique Nucleaire-Paris SUD XI, FRANSA, 2007 - 2008

Bozkurt K., Walenta A. H. , Other Supported Projects, Angiography, Universitat Siegen, ALMANYA, 2003 - 2004

Scientific Refereeing

Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, September 2017

Turkish Journal of Physics, Other Indexed Journal, May 2017

IOP , Other Indexed Journal, September 2016

Chinese Physics Letters, SCI Journal, April 2011

Tasks In Event Organizations

Bozkurt K., Akkuş B., TFD 33. Uluslararası Fizik Kongresi, Scientific Congress, Turkey, Eylül 2017

Bozkurt K., Yetkin T., YEFIST 2017, Scientific Congress, İstanbul, Turkey, Mayıs 2017

Yüksel E., Bozkurt K., Ayarçı Kuruoğlu N., Workshop on Nuclear Structure, Astrophysics and Reactions, Scientific Congress, İstanbul, Turkey, Mayıs 2014

Bozkurt K., Yılmaz O., Advances in Heavy-Ion Physics, Scientific Congress, İstanbul, Turkey, Haziran 2012

Scientific Research / Working Group Memberships

The Laboratoire de Photonique et de Nanostructures, Université Paris-Sud: Paris XI, Fransa,

<http://www.lpn.cnrs.fr/en/PHODEV/Collab.php>, 2012 - Continues

Institut de Physique Nucleaire, Université Paris-Sud: Paris XI, Fransa, <https://ipnwww.in2p3.fr/Theory,64>, 2009 - Continues

Mobility Activity

Other, Scientific Research, Université Paris-Sud: Paris XI, France, 2019 - 2019

Post Doc, Post Doc, Université Paris-Sud: Paris XI, France, 2014 - 2014

Erasmus Programme, Lecturing, Universitaet Duisburg Essen, Germany, 2013 - 2013

Post Doc, Post Doc, Université Paris-Sud: Paris XI, France, 2007 - 2007

Post Doc, Post Doc, Universitaet Siegen, Germany, 2003 - 2004

Invited Congress and Symposium Activities

Turkish Physical Society 35th International Physics Congress, Working Group, Muğla, Turkey, 2019

Turkish Physical Society 34th International Physics Congress, Attendee, Muğla, Turkey, 2018

XL BRAZILIAN MEETING ON NUCLEAR PHYSICS, Invited Speaker, Sao-Paulo, Brazil, 2017

XL Brazilian Meeting on Nuclear Physics, Attendee, São Paulo, Brazil, 2017

3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Attendee, Adana, Turkey, 2017
Turkish Physical Society 32th International Physics Congress, Attendee, Muğla, Turkey, 2016
XXI International School on Nuclear Physics, Neutron Physics and Applications, Attendee, Varna, Bulgaria, 2015
SOLAR-TR3, Attendee, Ankara, Turkey, 2015
VII. International Workshop on Nuclear Structure Properties, Attendee, Sinop, Turkey, 2014
NUBA Conference Series-1 Nuclear Physics and Astrophysics, Attendee, Antalya, Turkey, 2014
Applied Physics and Material Science Congress APMAS-2014, Attendee, Antalya, Turkey, 2014
XX International School on Nuclear Physics, Neutron Physics and Applications, Attendee, Varna, Bulgaria, 2013
Applied Physics and Material Science Congress APMAS-2013, Attendee, Antalya, Turkey, 2013
Solar New Energy Conference SUNEK-2012, Attendee, Palermo, Italy, 2012
Collective Motion in Nuclei under Extreme Conditions (COMEX4), Attendee, Tôkyô, Japan, 2012
Applied Physics and Material Science Congress APMAS-2012, Attendee, Antalya, Turkey, 2012
Turkish Physical Society 28th International Physics Congress, Attendee, Muğla, Turkey, 2011
EGU General Assembly 2011, Attendee, Wien, Austria, 2011
Turkish Physical Society 27th International Physics Congress, Attendee, Muğla, Turkey, 2010
21st European Conference on Diamond, Diamond- Like Materials, Carbon Nanotubes, and Nitrides, Attendee, Budapest, Hungary, 2010
7th General Conference of the Balkan Physical Union, Attendee, Alexandroupoli, Greece, 2009
Collective Motion in Nuclei under Extreme Conditions (COMEX3), Attendee, Michigan, United States Of America, 2009
XXIX International Union of Radio Science, Attendee, Michigan, United States Of America, 2008
Theoretical Nuclear Physics School, Attendee, Lyon, France, 2007

Citations

Total Citations (WOS):86

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