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International Researcher IDs

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Yoksis Researcher ID: 106196

Education Information

Doctorate, Istanbul University, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Nükleer Fizik Programı, Turkey 2002 - 2005

Postgraduate, Istanbul University, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Nükleer Fizik Programı, Turkey 1998 - 2002

Undergraduate, Istanbul University, Faculty Of Science, Department Of Physics, Turkey 1988 - 1997

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, 191,192 Pt Çekirdeklerinde Yüksek Spin Yapısı ve Deformasyonlar, Istanbul University, Institute of Graduate Studies In Sciences, Fizik Anabilim Dalı, Nükleer Fizik Programı, 2005

Postgraduate, 11B+186W Reaksiyonu ile Üretilen Yrast Ball Verilerinin Gama Spektroskopisi, Istanbul University, Institute of Graduate Studies In Sciences, Fizik Anabilim Dalı, Nükleer Fizik Programı, 2002

Research Areas

Physics, Nuclear physics, General Nuclear Reactions, Properties of Nuclei, Nuclear Structure, Experimental Methods of Particle and Nuclear Physics, Natural Sciences

Academic Titles / Tasks

Professor, Istanbul University, Faculty of Science, Department of Physics, 2014 - Continues

Associate Professor, Istanbul University, Faculty of Science, Department of Physics, 2009 - 2014

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

Research Assistant, Istanbul University, Faculty of Science, Department of Physics, 1998 - 2009

Academic and Administrative Experience

Dean, Istanbul University, Faculty Of Science, Department Of Physics, 2017 - 2020

İstanbul Üniversitesi, Faculty of Science, 2011 - 2015

İstanbul Üniversitesi, Faculty of Science, Fakülte Kurulu Üyesi, 2009 - 2015

İstanbul Üniversitesi, 2009 - 2015

İstanbul Üniversitesi, Faculty of Science, 2009 - 2015

Courses

Tanecik Hızlandırıcıları, Postgraduate, 2017 - 2018

İleri Fizik Uygulamaları II, Undergraduate, 2017 - 2018

Fizik Laboratuvarı I, Undergraduate, 2017 - 2018

Parçacık Hızlandırıcılarının Nükleer Fizik Uygulamaları I, Doctorate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Çekirdek Fiziği II, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2012 - 2013

Çekirdek Fiziği I, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Parçacık Hızlandırıcılarının Nükleer Fizik Uygulamaları II, Doctorate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

İleri Fizik Uygulamaları, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

Radyasyon Fiziği, Postgraduate, 2016 - 2017, 2015 - 2016, 2012 - 2013

Advising Theses

ÖKTEM Y., Kütle Numarası 47-63 Aralığındaki Egzotik pf -Kabuk Çekirdeklerine Ait Yarı Ömür Ölçümlerinin İmplantasyon-Beta Bozunumu Metodu İle İncelenmesi, Doctorate, L.Küçük(Student), Continues

ÖKTEM Y., Portal Monitör Sistemlerinin Monte Carlo Metodu İle Modellenmesi ve Simülasyonu ile Deneysel Sonuçlarının Karşılaştırılması, Doctorate, A.KURT(Student), Continues

ÖKTEM Y., Arkeolojik Bulgulardan Elde Edilen Materyallerin XRF Yöntemi İle İncelenmesi, Postgraduate, A.Kamçılı(Student), Continues

ÖKTEM Y., Proton Terapide Dual Enerjili Bilgisayarlı Tomografi İle Durdurma Gücü Ölçülmesi Ve Hesaplanması, Doctorate, R.Dilek(Student), Continues

ÖKTEM Y., Vanadyum İzotoplarında Gamow-Teller Geçiş Güçlerinin Gelişimi, Doctorate, G.SÜSOY(Student), 2015

ÖKTEM Y., Kuantum Monte-Carlo Yaklaşımında Parite İzdüşümlü Seviye Yoğunluğu Hesaplamaları, Postgraduate, E.Akyüz(Student), 2013

ÖKTEM Y., Lineer Proton Hızlandırıcılarında Kullanılan Magnetlerin Tasarımı, Postgraduate, F.Çağla(Student), 2011

ÖKTEM Y., Sintigrafik Görüntülerde Kısmi Hacim Etkisinin İncelenmesi, Doctorate, İ.Çavdar(Student), 2011

ÖKTEM Y., Egzotik pf - kabuk çekirdeklerine ait beta bozunumlarının GANIL verisiyle incelenmesi, Postgraduate, L.Küçük(Student), 2011

ÖKTEM Y., Yük Değişim Reaksiyonu ile Elde Edilen Gamow-Teller Geçişlerinin İncelenmesi, Postgraduate, G.Süsoy(Student), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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)
- II. **$T_z = -1 \rightarrow 0$ 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)

- III. **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)
- IV. **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)
- V. **Electromagnetic transitions among octet and decuplet baryons in QCD**
Aliev T. M., Oktem Y., Savci M.
PHYSICAL REVIEW D, vol.88, no.3, 2013 (SCI-Expanded)
- VI. **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, no.5, 2012 (SCI-Expanded)
- VII. **NUCLEAR WEAK RESPONSE FROM THE COMBINED STUDY OF beta-DECAY AND CHARGE-EXCHANGE REACTION**
Fujita Y., Rubio B., Gelletly W., Blank B., Adachi T., Algora A., Ascher P., Cakirli R. B., De France G., Giovinnazzo J., et al.
INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS, vol.18, no.10, pp.2134-2139, 2009 (SCI-Expanded)
- VIII. **High-spin states in Au-191, Au-193 and Pt-192: Evidence for oblate deformation and triaxial shapes**
Oktem Y., Balabanski D. L., Akkus B., Beausang W., Bostan M., Cakirli R. B., Casten R. F., Danchev M., Djongolov M., Erduran M. N., et al.
PHYSICAL REVIEW C, vol.76, no.4, 2007 (SCI-Expanded)
- IX. **Evidence for $X(5)$ critical point symmetry in Ce-128**
BALABANSKI D. L., GLADNISHKI K. A., LO BIANCO G., SALTARELLI A., ZAMFIR N. V., MCCUTCHAN E. A., Ai H., CASTEN R. F., Heinz A., MEYER D. A., et al.
INTERNATIONAL JOURNAL OF MODERN PHYSICS E, vol.15, no.8, pp.1735-1740, 2006 (SCI-Expanded)
- X. **Simple interpretation of proton-neutron interactions in rare earth nuclei**
Oktem Y., Cakirli R. B., Casten R. F., Casperson R. J., Brenner D. S.
PHYSICAL REVIEW C, vol.74, no.2, 2006 (SCI-Expanded)
- XI. **Delayed backbending in the $\pi h(9/2)$ band of Ir-187**
Danchev M., Balabanski D. L., Yigitoglu I., Akkus B., Beausang C., Bostan M., Casten R., Djongolov M., Erduran M. N., Erturk S., et al.
PHYSICAL REVIEW C, vol.68, no.5, 2003 (SCI-Expanded)
- XII. **The Rare $Z @ J/y(g?) + X$ Decays in $SU(2) \times U(1) \times U(1)$ Gauge Theories**
AKKUŞ B., ÖKTEM Y., Silahtaroglu E., Bahadiroglu G.
IL Nuovo Cimento, 1994 (SCI-Expanded)

Articles Published in Other Journals

- I. **Origin of the Backbending in proton $h9/2$ Band of 187Ir**
Nikolov N., Danchev M., Detistov P., Balabanski D. L., Yigitoglu I., AKKUŞ B., Beausang C., Bostan M., Casten R., Djongolov M., et al.
Meetings in Physics at University of Sofia, Heron Press Science Series, vol.ISBN, 2003 (Peer-Reviewed Journal)
- II. **Lepton Number Violating Decays $li @ lj$ gg in E6 String Model**
AKKUŞ B., Silahtaroglu E., Aliev T. M., Çetin Y., ÖKTEM Y.

Books & Book Chapters

I. Fen bilimcileri & Mühendisler için FİZİK

ÖKTEM Y.

in: Fen bilimcileri & Mühendisler için FİZİK, GIANCOLI, aaaa, Editor, Akademi Yayıncılık, İstanbul, pp.100-200, 2009

Refereed Congress / Symposium Publications in Proceedings

I. EXTREMELY LOW FREQUENCY ELECTROMAGNETIC RADIATION AND HEALTH EFFECTS

YÜKSEK S., KURT A., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 34TH INTERNATIONAL PHYSICS CONGRESS,, Muğla, Turkey, 5 - 09 September 2018, pp.527

II. SEMICONDUCTOR X-RAY DETECTORS

BAIRAM C., KURT A., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 34TH INTERNATIONAL PHYSICS CONGRESS,, Muğla, Turkey, 5 - 09 September 2018, pp.533

III. MEASURABLE RADIOACTIVITY

İnci Ç. İ., KURT A., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 34TH INTERNATIONAL PHYSICS CONGRESS,, Muğla, Turkey, 5 - 09 September 2018, pp.530

IV. THE ATMOSPHERIC RADIATION MEASUREMENT (ARM) PROGRAM

BOSTAN Y. K., KURT A., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 34TH INTERNATIONAL PHYSICS CONGRESS,, Muğla, Turkey, 5 - 09 September 2018, pp.534

V. GENERAL INFORMATION ABOUT SCINTILLATION & PLASTIC SCINTILLATORS

EROL A., KURT A., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 34TH INTERNATIONAL PHYSICS CONGRESS,, Muğla, Turkey, 5 - 09 September 2018, pp.528

VI. NATURAL RADIATION

DURAN B., KURT A., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 34TH INTERNATIONAL PHYSICS CONGRESS,, İstanbul, Turkey, 5 - 09 September 2018, pp.531

VII. POSITRON EMISSION TOMOGRAPHY/COMPUTED TOMOGRAPHY USE TOPLAM CANCER'S DIAGNOSIS

GÜLEŞ E., KURT A., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 34th INTERNATIONAL PHYSICS CONGRESS,, Muğla, Turkey, 5 - 09 September 2018, pp.521

VIII. IOT (INTERNET OF THE THINGS) CARD POWERED RADIATION DETECTORS AND MULTICHANNEL ANALYZERS

Ozcan O., AYTAN Ö., EMİRHAN M. E., ÖKTEM Y., AKKUŞ B.

Turkish Physical Society 33rd Physics Congress, 6 - 10 September 2017

IX. CHAOS IS THEORY AND THE BUTTERFLY EFFECT

Hamparsunoğlu A., KURT A., AYTAN Ö., EMİRHAN M. E., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, 6 - 10 September 2017, pp.724

X. FUTURE ENERGY IS THE FUSION

İnci Ç. İ., KURT A., AYTAN Ö., EMİRHAN M. E., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, 6 - 10 September 2017, pp.705

XI. THEORY OF RELATIVITY

KURT A., AYTAN Ö., Akyüz S., Şahinoğlu B., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 5 - 10 September 2017, pp.737

XII. A STUDY ON HOW THE LOCATION OF A TEST SOURCE CHANGE THE AMPLIFIER OUTPUT OF A PLASTIC SCINTILLATION DETECTOR

AYTAN Ö., KURT A., Düzen B., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, 6 - 10 September 2017, pp.736

XIII. THE MEASUREMENT OF RADON CONCENTRATION IN THREE DIFFERENT HOUSE

Atar İ., KURT A., AYTAN Ö., Emirhan M. E., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS,, Muğla, Turkey, 5 - 10 September 2017, pp.716

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KURT A., AYTAN Ö., Akyüz S., Şahinoğlu B., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, 6 - 10 September 2017, pp.737

XV. BIOLOGICAL EFFECTS OF RADIATION

KURT A., AYTAN Ö., Kapramcı T., Akyol M., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS,, Muğla, Turkey, 5 - 10 September 2017, pp.735

XVI. CHAOS IS THEORY AND THE BUTTERFLY EFFECT

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TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS,, Muğla, Turkey, 5 - 10 September 2017, pp.724

XVII. RADON MEASUREMENT IN SOME APARTMENTS IN THE KAĞITHANE DISTRICT

KURT A., AYTAN Ö., Akgün H. K., Çakar S., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 5 - 10 September 2017, pp.736

XVIII. PLAY WITH SCIENCE

Özdeş B., KURT A., AYTAN Ö., EMİRHAN M. E., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, 6 - 10 September 2017, pp.722

XIX. PLAY WITH SCIENCE

Özdeş B., KURT A., AYTAN Ö., Emirhan M. E., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS,, Muğla, Turkey, 5 - 10 September 2017, pp.722

XX. A STUDY ON HOW HIGH VOLTAGE LEVELS AFFECTS THE AMPLIFIER OUTPUT OF A SCINTILLATION DETECTOR

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TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, 6 - 10 September 2017, pp.735

XXI. A STUDY ON HOW THE LOCATION OF A TEST SOURCE CHANGE THE AMPLIFIER OUTPUT OF A PLASTIC SCINTILLATION DETECTOR

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TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 5 - 10 September 2017, pp.736

XXII. THE RADIATION ABSORPTION COEFFICIENTS OF SOME MATERIALS

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TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS,, Muğla, Turkey, 5 - 10 September 2017, pp.737

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Atar İ., KURT A., AYTAN Ö., EMİRHAN M. E., ÖKTEM Y., AKKUŞ B.

TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, 6 - 10 September 2017, pp.716

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Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 5 - 10 September 2017, pp.705

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XXVII. BIOLOGICAL EFFECTS OF RADIATION

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XXIX. Determination of Radon Concentration Levels In Well Waters Near The North Anatolian Fault Zone, In Gonen/ Balıkesir, Turkey

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XXX. DETERMINATION OF RADON CONCENTRATION LEVELS IN WELL WATERS NEAR THE NORTH ANATOLIAN FAULT ZONE, IN GÖNEN / BALIKESIR, TURKEY

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17th International Balkan Workshop on Applied Physics and Materials Science (IBWAP 2017), Köstence, Romania, 11 - 14 July 2017

XXXI. NUCLEAR REACTOR ACCIDENTS

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TPS32, 6 - 09 September 2016

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XXXVII. Determination of Indoor Radon Concentrations at the Elementary Schools of Fatih District in Istanbul

Kurt A., Yalcin L., Oktem Y., Akkus B., Bozkurt E., Hafizoglu N., Ozturk F. Ç., Aytan Ö., Ertoprak A.

9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015, vol.1722

XXXVIII. Determination of indoor radon concentrations around the Fatih district in Istanbul

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KURT A., ŞAHİN YALÇIN L., ÖKTEM Y., AKKUŞ B., BOZKURT E., HAFIZOĞLU N., ÖZTÜRK F. Ç.
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- XL. **Radon Concentration in Bottled Drinking Water**
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- XLI. **Free Electron Laser**
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- XLIV. **Nuclear and Renewable Energy Sources**
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- XLIX. **Black Body Radiation and Photoelectric Effect**
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- L. **Triaxial deformation and nuclear shape transition in ^{192}Au**
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International Nuclear Physics Conference INPC2013, Florence, Italy, 1 - 04 June 2013, vol.02
- LI. **Hepatobiliyer Sistem Sintigrafisinde Tc-99m Mebrofenin Kullanılarak Farklı Klirens Hesaplama Metodlarının Karşılaştırılması**
Tanyıldızı H., KABASAKAL L., TUTAR R., Yılmaz S., Yeyin N., Aygün A., OCAK E. M., ÖKTEM Y., KANMAZ M. B.
25.Ulusal Nükleer Tıp Kongresi, Antalya, Turkey, 6 - 10 April 2013, pp.96-97
- LII. **Lesion detection with gamma camera using radioiodine**
ÇAVDAR İ., Yeyin N., Tanyıldızı H., ÖKTEM Y., AKKUŞ B., DEMİR M.
TPS 29th International Physics Congress, Muğla, Turkey, 5 - 08 September 2012, pp.102
- LIII. **Sintigrafik görüntülerde kısmi hacim etkisinin incelenmesi**
ÇAVDAR İ., Yeyin N., Tanyıldızı H., Nişli C., ÖKTEM Y., AKKUŞ B., DEMİR M.
24. Ulusal Nükleer Tıp Kongresi, Antalya, Turkey, 4 - 08 April 2012, pp.23
- LIV. **Gamow-Teller Transitions Starting from $T=+3/2$ Nucleus Sc-45**
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Turkish Physical Society 34th International Physics Conference Proceeding, Editor, 2018 - 2018

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