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Eğitim Bilgileri

Doktora, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Türkiye 2010 - 2016
Yüksek Lisans, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Türkiye 2006 - 2010
Lisans Çift Anadal, İstanbul Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Türkiye 2003 - 2007
Lisans, İstanbul Üniversitesi, Fen Fakültesi, Fizik, Türkiye 2002 - 2006

Yabancı Diller

Fransızca, A1 Başlangıç
İngilizce, C1 İleri

Sertifika, Kurs ve Eğitimler

Güvenlik, Risque Radioprotection, Centre national de la recherche scientifique(CNRS), 2013
İş Sağlığı ve Güvenliği, Tronc commun, Centre national de la recherche scientifique(CNRS), 2013
Yabancı Dil, FRANCAIS LANGUE ETRANGERE - cours extensifs niveau grand débutant, Centre national de la recherche scientifique(CNRS), 2012
Yabancı Dil, COURS de FRANCAIS pour ADULTES ETRANGERS, A.L.F.A.P., 2012
Yabancı Dil, Genel İngilizce, DILKO English, 2011

Yaptığı Tezler

Doktora, Egzotik Çekirdeklerde Uyarılmış Seviye Ömürleri ve Nükleer Momentler, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı/Nükleer Fizik , 2016
Yüksek Lisans, Spin-Yörünge Potansiyelinin Valans Nükleon Sayısı ile Değişimi, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, 2010

Araştırma Alanları

Fizik, Nükleer Fizik, Genel Nükleer Tepkimeler, Kütle aralıklarına göre özel çekirdeklerin özellikleri, Nükleer yapı, Parçacık fiziği ve nükleer fizikte deneysel yöntemler ve enstrümantasyon, Temel Bilimler

Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, İstanbul Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2020 - Devam Ediyor
Araştırma Görevlisi Dr., İstanbul Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2016 - 2020
Diğer, Horia Hulubei National Institute of Physics and Nuclear Engineering, Extreme Light Infrastructure-Nuclear Physics, High-Brilliance Gamma Beam, 2016 - 2017
Araştırma Görevlisi, İstanbul Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2008 - 2016
Öğrenci, Université Paris-Sud: Paris XI, Centre De Sciences Nucléaires Et De Sciences De La Matière, Structure De Noyau, 2012 - 2013

Akademik İdari Deneyim

Verdiği Dersler

Experimental Nuclear Physics, Yüksek Lisans, 2021 - 2022
General Physics II, Lisans, 2020 - 2021
Statistical Methods In Physics, Lisans, 2020 - 2021
Physics Laboratory II - Electricity and Magnetism, Lisans, 2021 - 2022
Generel Physics I, Lisans, 2021 - 2022
İleri Fizik Uygulamaları I, Lisans, 2021 - 2022
General Physics I, Lisans, 2020 - 2021
İleri Fizik Uygulamaları I, Lisans, 2020 - 2021
Algorithm and Introduction to Computer Programming, Lisans, 2020 - 2021
Fizik II Lab., Lisans, 2019 - 2020, 2014 - 2015
Computer III, Lisans, 2019 - 2020
Quantum Physics II, Lisans, 2018 - 2019
Fizik III Lab., Lisans, 2018 - 2019, 2017 - 2018
Calculus I (Aplication), Lisans, 2019 - 2020
Calculus II (Application), Lisans, 2018 - 2019
Bilgisayar Programlama II (Application), Lisans, 2018 - 2019
Calculus I (Aplication), Lisans, 2019 - 2020
Fizikte Matematik Metotlar(Uygulama), Lisans, 2018 - 2019
Fizik I (Uygulama), Lisans, 2018 - 2019
Fizik I Lab., Lisans, 2017 - 2018, 2013 - 2014
Veri Tabanı Uygulamaları, Lisans, 2017 - 2018, 2014 - 2015
Fizik I (Uygulama), Lisans, 2018 - 2019, 2015 - 2016
Klasik Teorik Mekanik (Uygulama), Lisans, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015
Analiz II (Uygulama), Lisans, 2017 - 2018
Kuvantum Fiziği I (Uygulama), Lisans, 2017 - 2018, 2011 - 2012
Fizik II (Uygulama), Lisans, 2015 - 2016
Fizik III Laboratuvarı, Lisans, 2015 - 2016
Elektronik I Lab., Lisans, 2015 - 2016, 2014 - 2015, 2008 - 2009
Klasik Teorik Mekanik (Uygulama) (İ.Ö.), Lisans, 2015 - 2016, 2014 - 2015
Çekirdek Fiziği Uygulamaları, Lisans, 2014 - 2015, 2013 - 2014
Fizik II Uygulama (İ.Ö.), Lisans, 2011 - 2012

Atom ve Molekül Fiziği Lab., Lisans, 2011 - 2012
Fizik I Lab, Lisans, 2011 - 2012
Fizik III Lab., Lisans, 2011 - 2012
Kuvantum Fiziği I Uygulama (İ.Ö), Lisans, 2011 - 2012
Bilgisayar Programlama II Uygulamaları, Lisans, 2010 - 2011
Çekirdek Fiziği Uygulamaları, Lisans, 2010 - 2011, 2009 - 2010
Bilgisayar Programlama II (Uygulama), Lisans, 2009 - 2010, 2008 - 2009
Bilgisayar Programlama I (Uygulama), Lisans, 2010 - 2011, 2009 - 2010
Radyasyon ve Sağlık Fiziği Uygulama, Lisans, 2009 - 2010
Fizik II Lab., Lisans, 2010 - 2011
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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **High-Precision Spectroscopy of ²⁰O Benchmarking Ab Initio Calculations in Light Nuclei**
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KUSOGLU A., Stuchbery A. E., GEORGIEV G., Brown B. A., GOASDUFF A., ATANASOVA L., BALABANSKI D. L., Bostan M., DANCHEV M., Detistov P., et al.
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Louchart C., Obertelli A., Goergen A., Korten W., Bazzacco D., Birkenbach B., Bruyneel B., Clément E., Coleman-Smith P. J., Corradi L., et al.
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XXIV. **LIFETIME MEASUREMENTS IN NEUTRON-RICH Cu ISOTOPES**
Doncel M., Sahin E., Gadea A., de Angelis G., Quintana B., Valiente-Dobon J. J., Modamio V., Albers M., Bazzacco D., Clement E., et al.
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XXV. **Structure of the N=50 As, Ge, Ga nuclei**
SAHIN E., DE ANGELIS G., DUCHENE G., FAUL T., GADEA A., Lisetskiy A. F., ACKERMANN D., ALGORA A., Aydin S., AZAIEZ F., et al.
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XXVI. **Gamma-ray fast-timing coincidence measurements from the O-18+O-18 fusion-evaporation reaction using a mixed LaBr3-HPGe array**
Alharbi T., Mason P. J. R., Regan P. H., Podolyak Z., Marginean N., Nakhostin M., Bowry M., Bucurescu D., Cata-Danil G., Cata-Danil I., et al.
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XXVII. **Half-life of the I-pi=4(-) intruder state in P-34: M2 transition strengths approaching the island of inversion**
Mason P. J. R., Alharbi T., Regan P. H., Marginean N., Podolyak Z., Simpson E. C., Alkhomashi N., Bender P. C., Bowry M., Bostan M., et al.
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XXVIII. **Discovery of a new isomeric state in Ni-68: Evidence for a highly deformed proton intruder state**
Dijon A., Clément E., de France G., de Angelis G., Duchene G., Dudouet J., Franchoo S., Gadea A., Gottardo A., Hueyuek T., et al.
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XXIX. **THE EFFECT OF VALENCE NEUTRONS ON SPIN-ORBIT SPLITTING**
Kusoglu A., Bostan M., Erduran M. N.
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Diğer Dergilerde Yayınlanan Makaleler

I. **Extra yield in hot Ni isotopes below the Giant Dipole Resonance**
Wieland O., Bracco A., Camera F., Aogaki S., Balabanski D. L., Boicu E., Borcea R., Boromiza M., Burducea I., Calinescu S., et al.
NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS, sa.2, 2024 (ESCI)

II. **Ground-breaking developments in 10B with inelastic proton scattering**
KUŞOĞLU A., Constantin P., Soderstrom P. -., Balabanski D. L., Cuciuc M., Aogaki S., Ban R. S., Borcea R., Corbu R., Costache C., et al.
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III. **From implementation to operation and the first measurements with the ELIGANT detectors from**

ELI-NP

Soderstrom P. A., KUŞOĞLU A., Balabanski D. L., Brezeanu M., Choudhury D., Gavrilescu A., Gutoiu R. A., Ioannidis S., Lorusso G., Markova M., et al.

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IV. **Renewed Interest in Spectroscopy of the Lightest Doubly-Odd N = Z Nuclei**

Kusoglu A., Balabanski D. L.

QUANTUM BEAM SCIENCE, cilt.7, sa.3, 2023 (ESCI)

V. **Preparation of a joint experimental campaign using ELI-NP detectors at ROSPHERE at IFIN-HH**

Aogaki S., Balabanski D. L., Borcea R., Ciocan G., Constantin P., Costache C., Cuciuc M., Filipescu D., Kuşoğlu A., Mărginean N., et al.

ELI-NP Annual Report 2020-2021, sa.2021, ss.161-166, 2022 (Hakemsiz Dergi)

VI. **Investigation of magnetic moments in Coulomb fission**

Hafner G., Lozeva R., Si M., Ichikawa Y., Ueno H., Ahn D., Asahi K., Asakawa T., Baba H., Esmaylzadeh A., et al.

RIKEN Accelarator Progress Report, cilt.54, ss.29, 2021 (Hakemli Dergi)

VII. **Study of 20O via a DSAM lifetime measurement**

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LNL INFN Annual Report 2020, cilt.262, sa.31, ss.31-32, 2021 (Hakemli Dergi)

VIII. **Inclusive cross sections for one- and multi-nucleon removal from Sn, Sb, and Te projectiles beyond the N=82 shell closure**

Vaquero V., Jungclaus A., Rodriguez-Sanchez J., Tostevin J., Doornenbal P., Wimmer K., Kuşoğlu A.

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IX. **Magnetic-moment measurement of the isomeric state of 130Sn in the vicinity of the doubly-magic nucleus 132Sn**

Georgiev G., Ichikawa Y., Ahn D., Asakawa T., Asahi K., Baba H., Doi K., Fukuda N., Kuşoğlu A.

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X. **Investigation of magnetic moments and spin alignment in Coulomb fission reaction**

Lozeva R., Hafner G., Si M., Ichikawa Y., Ueno H., Ahn D., Asahi K., Asakawa T., Baba H., Esmaylzadeh A., et al.

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XII. **TDPAD measurement for the 10- isomer of 88Y**

Daugas J., Boulay F., Ichikawa Y., Takamine A., Ahn D., Asahi K., Baba H., Kuşoğlu A.

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XIII. **g-Factor of the 99Zr isomer: monopole evolution in the shape-coexisting region**

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XIV. **Magnetic moment of the isomeric state of 75 Cu measured with a highly spin-aligned beam**

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XV. **Modelling hyperfine interactions for nuclear g-factor measurements**

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XIX. **Competition between shape and shell in 75Cu clarified by the novel magnetic moment measurement**
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XX. **Magnetic moment of the 13/2+ isomeric state in 69Cu: Spin alignment in a single-nucleon removal reaction**
Kuşoğlu A., Georgiev G., Sotty C., Balabanskı D. L., Goasduff A., Ishıı Y., Abe Y., Asahı K., Bostan İ. M., Chevrıer R., et al.
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XXV. **First Campaign with the AGATA Demonstrator at LNL: Lifetime of Excited States in 72Zn and 74Zn**
Louchart C., Görgen A., Obertelli A., Korten W., Sahin E., Doncel M., Bazzacco D., Clément E., Corradi L., Angelis G. D., et al.
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