

Prof. Sehban KARTAL

Personal Information

Office Phone: [+90 212 455 5700](tel:+902124555700) Extension: 15254

Office Phone: [+90 212 455 5846](tel:+902124555846)

Fax Phone: [+90 212 455 5855](tel:+902124555855)

Email: sehban@istanbul.edu.tr

Web: <http://aves.istanbul.edu.tr/sehban/>

Address: İ.Ü. Fen Fakültesi Fizik Bölümü Yüksek Enerji ve Plazma Fiziği A.B.D. Vezneciler-Beyazıt İstanbul



International Researcher IDs

ORCID: 0000-0002-0491-4219

Publons / Web Of Science ResearcherID: K-9252-2015

ScopusID: 8400336200

Yoksis Researcher ID: 5954

Education Information

Doctorate, Istanbul University, Faculty Of Science, Department Of Physics, Turkey 1990 - 1996

Postgraduate, Istanbul University, Faculty Of Science, Department Of Physics, Turkey 1987 - 1990

Undergraduate, Istanbul University, Faculty Of Science, Fizik, Turkey 1982 - 1987

Foreign Languages

Italian, B1 Intermediate

English, B2 Upper Intermediate

Dissertations

Doctorate, Balkanlar Üzerindeki İyonosferde Toplam Elektron Yoğunluğu Modeli, Istanbul University, Faculty of Science, Fizik, 1996

Postgraduate, Ergimiş Sıvı Metallerin Fiziksel Özellikleri , Istanbul University, Faculty of Science, Fizik, 1990

Research Areas

Health Sciences, Physics, Basic Particles and Areas, Special reactions and phenomonology, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Istanbul University, Faculty of Science, Department of Physics, 2011 - Continues

Academic and Administrative Experience

Courses

Applications of Physics in Different Disciplines, Undergraduate, 2021 - 2022
The Physics of Particle Detectors, Doctorate, 2021 - 2022
Deneysel Parçacık Fiziği I, Postgraduate, 2021 - 2022
Computing in Anthropology I, Undergraduate, 2018 - 2019
High Energy Accelerator Physics, Undergraduate, 2018 - 2019, 2015 - 2016
Temel Tanecikler I, Undergraduate, 2018 - 2019
Experimental Particle Physics I, Postgraduate, 2018 - 2019, 2015 - 2016
The Physics of Particle Detectors, Doctorate, 2018 - 2019
Hadron Colliders at Particle Physics, Doctorate, 2018 - 2019, 2015 - 2016
Deneysel Parçacık Fiziği II, Postgraduate, 2015 - 2016
Parçacık Dedektörlerinin Fiziği, Doctorate, 2015 - 2016
İleri Fizik Uygulamaları Ö.Ö, Undergraduate, 2015 - 2016
Teorik Fizikte Seçme Konular, Undergraduate, 2013 - 2014
Teorik Fizikte Seçme Konular (İ.Ö.), Undergraduate, 2013 - 2014
Bilim ve Kültür Mirası, Postgraduate, 2012 - 2013
Deneysel Parçacık Fiziği II, Postgraduate, 2012 - 2013
Parçacık Dedektörlerinin Fiziği, Doctorate, 2012 - 2013
Yüksek Enerji Hızlandırıcıları Fiziği, Undergraduate, 2012 - 2013
Deneysel Parçacık Fiziği I, Postgraduate, 2012 - 2013
Parçacık Fiziğinde Hadron Çarpıştırıcıları, Doctorate, 2012 - 2013
Antropolojide Bilgi İşlem I, Undergraduate, 2012 - 2013
İleri Fizik Uygulamaları, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011
Antropolojide Bilgi İşlem II, Undergraduate, 2012 - 2013
Genel Fizik Lab. III , Undergraduate, 2010 - 2011
Fizikte Özel Konular, Undergraduate, 2010 - 2011
Elementary Particle Physics, Undergraduate, 2009 - 2010, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005
Fizik IV, Undergraduate, 2004 - 2005
Fizik I, Undergraduate, 2001 - 2002

Advising Theses

KARTAL S., R-Parite İhlal eden skaler Lepton etkileşmelerinin Geleceğin Dairesel Çarpıştırıcılarında Araştırılması, Postgraduate, Y.Emre(Student), 2018
Kartal S., Geleceğin Dairesel Çarpıştırıcılarında 100 TeV'de Lepton+ Jetlerin Ölçülmesi, Postgraduate, G.Halimoğlu(Student), 2018
KARTAL S., Lisans Öğrencilerinin Parçacık Fiziği Kavramlarını anlama Düzeyleri ve Kavram Yanılgıları, Postgraduate, N.Munk(Student), 2018
KARTAL S., Tungusten Trioksit İnce Filimlerde Lateral Difüzyon, Postgraduate, N.Arapoğlu(Student), 2016
KARTAL S., Restorasyon ve Konservasyon Laboratuvarlarının Koruma Politikalarındaki Rolü, Postgraduate, D.Demir(Student), 2015
KARTAL S., Moleküller arası Polielektrolitlerin Sulu Çözeltilerindeki yapıların Etkilerinin İncelenmesi, Doctorate, S.Uçar(Student), 2015
KARTAL S., Tasarım Müzeleri Yönetim Modelleri, Türkiye'de bir tasarım müzesi için yol planı ve öneriler, Postgraduate, B.Gün(Student), 2015
KARTAL S., Farklı Süpersimetrik Modeller ve Diğer Bazı Yeni Fizik Yaklaşımlarında Hadronik Çeşni Değiştiren Yüksüz

Akım Geçişlerinin Fenomenolojisi, Doctorate, A.Tuğba(Student), 2014
KARTAL S., Evrensel Ekstra Boyut ve Diğer Bazı Yeni Fizik Senaryolarında Hadronik Çeşni Değiştiren Yüksüz Akım Geçişlerinin Araştırılması, Doctorate, Z.Tavukoğlu(Student), 2014
KARTAL S., Standart ve süpersimetrik Modellerde Bazı Bc Bozunum Kanallarının incelenmesi, Postgraduate, Y.Erkuzu(Student), 2012
KARTAL S., ILC'DE, STANDART MODEL VE ÖTESİNDE, CKM-BASTIRILMIŞ TOP KUARK BOZUNUMLARI, Postgraduate, Z.Tavukoğlu(Student), 2009
KARTAL S., ETKİN TEORİLERDE HIGGS DEĞİŞ-TOKUŞU ALTINDA ÇİFT ÇEŞNİLİK İHLALİ YAPAN TOP KUARK BOZUNUMLARI, Postgraduate, A.Tuğba(Student), 2009

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Istanbul University, October, 2019
Associate Professor Exam, Associate Professor Exam, Istanbul University, March, 2019
Associate Professor Exam, Associate Professor Exam, Istanbul University, October, 2018
Associate Professor Exam, Doçentlik, Doçentlik Sınavı, April, 2018
Associate Professor Exam, Doçentlik sözlü sınavı, ÜAK, September, 2014
Associate Professor Exam, Doçentlik Sözlü sınavı, YÖK, April, 2014
Associate Professor Exam, Doçentlik Eser İnceleme, YÖK, February, 2014
Associate Professor Exam, Doçentlik Eser İnceleme Jürisi, YÖK, October, 2012
Associate Professor Exam, Doçentlik Eser İnceleme Jürisi, YÖK, October, 2011
Associate Professor Exam, Doçentlik Sınav Jürisi, YÖK, October, 2011
Associate Professor Exam, Doçentlik Eser İnceleme Jürisi, YÖK, October, 2011
Associate Professor Exam, Doçentlik Sınav Jürisi, YÖK, October, 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Anti-PT transformations and complex non-Hermitian PT-symmetric superpartners**
Koohrokhi T., KARTAL S., Mohammadi A.
Annals of Physics, vol.459, 2023 (SCI-Expanded)
- II. **Cold plasma application to fresh green leafy vegetables: Impact on microbiology and product quality**
Özdemir E. T., Başaran Akocak P., KARTAL S., AKAN T.
Comprehensive Reviews in Food Science and Food Safety, vol.22, no.6, pp.4484-4515, 2023 (SCI-Expanded)
- III. **Effects of Air and Helium Cold Plasma on Sensory Acceptability and Quality of Fresh Sea Bass (Dicentrarchus labrax)**
Mol S., Akan T., Kartal S., Cosansu S., Tosun Ş. Y., Üçok Alakavuk D., Ulusoy Ş., Dogruyol H., Bostan K.
FOOD AND BIOPROCESS TECHNOLOGY, vol.16, no.3, pp.537-548, 2023 (SCI-Expanded)
- IV. **A new effective potential for deuteron**
Koohrokhi T., Kartal S.
COMMUNICATIONS IN THEORETICAL PHYSICS, vol.74, no.7, 2022 (SCI-Expanded)
- V. **HE-LHC: The High-Energy Large Hadron Collider Future Circular Collider Conceptual Design Report Volume 4**
Abada A., Abbrescia M., AbdusSalam S. S., Abdyukhanov I., Abelleira Fernandez J., Abramov A., Aburaia M., Acar A. O., Adzic P. R., Agrawal P., et al.
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, vol.228, no.5, pp.1109-1382, 2019 (SCI-Expanded)
- VI. **FCC-hh: The Hadron Collider: Future Circular Collider Conceptual Design Report Volume 3**
Abada A., Abbrescia M., AbdusSalam S. S., Abdyukhanov I., Abelleira Fernandez J., Abramov A., Aburaia M., Acar A. O., Adzic P. R., Agrawal P., et al.
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, vol.228, no.4, pp.755-1107, 2019 (SCI-Expanded)

- VII. **FCC Physics Opportunities: Future Circular Collider Conceptual Design Report Volume 1**
 Abada A., Abbrescia M., AbdusSalam S. S., Abdyukhanov I., Fernandez J. A., Abramov A., Aburaia M., Acar A. O., Adzic P. R., Agrawal P., et al.
 EUROPEAN PHYSICAL JOURNAL C, vol.79, no.6, 2019 (SCI-Expanded)
- VIII. **FCC-ee: The Lepton Collider: Future Circular Collider Conceptual Design Report Volume 2**
 Abada A., Abbrescia M., AbdusSalam S., Abdyukhanov I., Abelleira Fernandez J., Abramov A., Aburaia M., Acar A., Adzic P., Agrawal P., et al.
 EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, vol.228, no.2, pp.261-623, 2019 (SCI-Expanded)
- IX. **Investigation of the Effects of Seizures Induced with Penthylenetrazole on Biomolecular Structure in Peripheral Tissues with Fourier Transform Infrared Spectroscopy Method and Comparison with Oxidative Stress Markers**
 Uzum G., Kuruca S., Kaptan Z., Kapucu A., Dar K., Yilmaz A., Yalcinkaya O., Kartal S., Kaleler I.
 ACTA PHYSIOLOGICA, vol.221, pp.73-74, 2017 (SCI-Expanded)
- X. **Radiative $\Sigma(b) \rightarrow \Sigma \gamma$ decay in SM and BSM**
 Azizi K., Kartal S., Olgun A., Tavukoglu Z.
 JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.41, no.9, 2014 (SCI-Expanded)
- XI. **Analysis of the semileptonic $\Lambda(b) \rightarrow \Lambda l^{(+)} l^{(-)}$ transition in the technicolor-assisted technicolor model**
 Azizi K., Kartal S., Olgun A., Tavukoglu Z.
 PHYSICAL REVIEW D, vol.88, no.7, 2013 (SCI-Expanded)
- XII. **Analysis of the radiative $\Lambda(b) \rightarrow \Lambda \gamma$ transition in the standard model and scenarios with one or two universal extra dimensions**
 Azizi K., Kartal S., Olgun A., Tavukoglu Z.
 PHYSICAL REVIEW D, vol.88, no.1, 2013 (SCI-Expanded)
- XIII. **Analysis of the radiative $\Lambda_b \rightarrow \Lambda \gamma$ transition in SM and scenarios with one or two universal extra dimensions**
 KARTAL S.
 PHYSICAL REVIEW D, vol.D, no.88, 2013 (SCI-Expanded)
- XIV. **Comparative analysis of the semileptonic $\Lambda(b) \rightarrow \Lambda l^{(+)} l^{(-)}$ transition in SM and different SUSY scenarios using form factors from full QCD**
 Azizi K., Kartal S., Olgun A., Tavukoglu Z.
 JOURNAL OF HIGH ENERGY PHYSICS, no.10, 2012 (SCI-Expanded)
- XV. **Comparative analysis of the semileptonic $\Lambda_b \rightarrow \Lambda l^{(+)} l^{(-)}$ transition in SM and different SUSY scenarios using form factors from full QCD**
 KARTAL S.
 The Journal of High Energy Physics, vol.10, pp.1-16, 2012 (SCI-Expanded)
- XVI. **Constraint on compactification scale via recently observed baryonic $\nu(b) \rightarrow \nu l^{(+)} l^{(-)}$ channel and analysis of the $\Sigma(b) \rightarrow \Sigma l^{(+)} l^{(-)}$ transition in SM and UED scenario**
 Azizi K., Kartal S., Katirci N., Olgun A., Tavukoglu Z.
 JOURNAL OF HIGH ENERGY PHYSICS, no.5, 2012 (SCI-Expanded)
- XVII. **Direct measurement of the Chudakov effect**
 Virkus T., Thomsen H. D., Uggerhoj E., Uggerhoj U. I., Ballestrero S., Sona P., Mangiarotti A., Ketel T. J., Dizdar A., Kartal S., et al.
 PHYSICAL REVIEW LETTERS, vol.100, no.16, 2008 (SCI-Expanded)
- XVIII. **Measurement of the azimuthal angle distribution of leptons from W boson decays as a function of the W transverse momentum in $p(\bar{p})$ collisions at $\sqrt{s} = 1.8$ TeV**
 Acosta D., Affolder T., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., Artikov A., et al.
 PHYSICAL REVIEW D, vol.73, no.5, 2006 (SCI-Expanded)
- XIX. **Search for W and Z bosons in the reaction $p(\bar{p}) \rightarrow \text{two jets plus } \gamma$ at $\sqrt{s} = 1.8$ TeV**
 Acosta D., Affolder T., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., Artikov A., et al.

al.

PHYSICAL REVIEW D, vol.73, no.1, 2006 (SCI-Expanded)

- XX. **Formation length effects in very thin targets**
UGGERHOJ U., KNUDSEN H., BALLESTRERO S., SONA P., MANGIAROTTI A., KETEL T., DIZDAR A., Kartal S., PAGLIARONE C.
PHYSICAL REVIEW D, vol.72, no.11, 2005 (SCI-Expanded)
- XXI. **Search for supersymmetric Higgs bosons in the di-tau decay mode in $p(\bar{p})$ collisions at root $s=1.8$ TeV**
Acosta D., Affolder T., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., Artikov A., et al.
PHYSICAL REVIEW D, vol.72, no.7, 2005 (SCI-Expanded)
- XXII. **K-S(0) and Lambda(0) production studies in $p(\bar{p})$ collisions at root $s=1800$ and 630 GeV**
Acosta D., Affolder T., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., Artikov A., et al.
PHYSICAL REVIEW D, vol.72, no.5, 2005 (SCI-Expanded)
- XXIII. **Measurement of the cross section for prompt diphoton production in $p(\bar{p})$ collisions at root $s=1.96$ TeV**
Acosta D., Adelman J., Affolder T., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev K., et al.
PHYSICAL REVIEW LETTERS, vol.95, no.2, 2005 (SCI-Expanded)
- XXIV. **Search for scalar leptoquark pairs decaying to $\nu(\bar{\nu})q(\bar{q})$ in $p(\bar{p})$ collisions at root $s=1.96$ TeV**
Acosta D., Adelman J., Affolder T., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev K., et al.
PHYSICAL REVIEW D, vol.71, no.11, 2005 (SCI-Expanded)
- XXV. **Search for ZZ and ZW production in $pp(\bar{p})$ collisions at root $s=1.96$ TeV**
Acosta D., Adelman J., Affolder T., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev K., et al.
PHYSICAL REVIEW D, vol.71, no.9, 2005 (SCI-Expanded)
- XXVI. **Measurements of bottom-antibottom azimuthal production correlations in proton-antiproton collisions at root $s=1.8$ TeV**
Acosta D., Affolder T., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., Artikov A., et al.
PHYSICAL REVIEW D, vol.71, no.9, 2005 (SCI-Expanded)
- XXVII. **Measurement of partial widths and search for direct CP violation in D-0 meson decays to $K-K^+$ and $\pi(-)\pi(+)$**
Acosta D., Affolder T., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev K., Annovi A., et al.
PHYSICAL REVIEW LETTERS, vol.94, no.12, 2005 (SCI-Expanded)
- XXVIII. **Measurement of the $t(\bar{t})$ production cross section in $p(\bar{p})$ collisions at root $s=1.96$ TeV using kinematic fitting of b-tagged lepton plus jet events**
Acosta D., Adelman J., Affolder T., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev K., et al.
PHYSICAL REVIEW D, vol.71, no.7, 2005 (SCI-Expanded)
- XXIX. **Measurement of the lifetime difference between B-s mass eigenstates**
Acosta D., Adelman J., Affolder T., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev K., et al.
PHYSICAL REVIEW LETTERS, vol.94, no.10, 2005 (SCI-Expanded)
- XXX. **Search for excited and exotic electrons in the e gamma decay channel in $p(\bar{p})$ collisions at root $s=1.96$ TeV**
Acosta D., Adelman J., Affolder T., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev

K., et al.

PHYSICAL REVIEW LETTERS, vol.94, no.10, 2005 (SCI-Expanded)

XXXI. First measurements of inclusive W and Z cross sections from Run II of the Fermilab Tevatron Collider

Acosta D., Affolder T., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev K., Annovi A., et al.

PHYSICAL REVIEW LETTERS, vol.94, no.9, 2005 (SCI-Expanded)

XXXII. Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV using lepton plus jets events with secondary vertex b-tagging

Acosta D., Adelman J., Affolder T., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev K., et al.

PHYSICAL REVIEW D, vol.71, no.5, 2005 (SCI-Expanded)

XXXIII. Measurement of the moments of the hadronic invariant mass distribution in semileptonic B decays

Acosta D., Adelman J., Affolder T., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev K., et al.

PHYSICAL REVIEW D, vol.71, no.5, 2005 (SCI-Expanded)

XXXIV. Measurement of W gamma and Z gamma production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV

Acosta D., Adelman J., Affolder T., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev K., et al.

PHYSICAL REVIEW LETTERS, vol.94, no.4, 2005 (SCI-Expanded)

XXXV. Measurement of the J/psi meson and b-hadron production cross sections in $p\bar{p}$ collisions at $\sqrt{s}=1960$ GeV

Acosta D., Adelman J., Affolder T., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev K., et al.

PHYSICAL REVIEW D, vol.71, no.3, 2005 (SCI-Expanded)

XXXVI. Search for anomalous production of diphoton events with missing transverse energy at CDF and limits on gauge-mediated supersymmetry-breaking models

Acosta D., Adelman J., Affolder T., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev K., et al.

PHYSICAL REVIEW D, vol.71, no.3, 2005 (SCI-Expanded)

XXXVII. Comparison of three-jet events in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV to predictions from a next-to-leading order QCD calculation

Acosta D., Affolder T., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., Artikov A., et al.

PHYSICAL REVIEW D, vol.71, no.3, 2005 (SCI-Expanded)

XXXVIII. Measurement of the W boson polarization in top decay at CDF at $\sqrt{s}=1.8$ TeV

Acosta D., Affolder T., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., Artikov A., et al.

PHYSICAL REVIEW D, vol.71, no.3, 2005 (SCI-Expanded)

XXXIX. Search for electroweak single-top-quark production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV

Acosta D., Adelman J., Affolder T., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev K., et al.

PHYSICAL REVIEW D, vol.71, no.1, 2005 (SCI-Expanded)

XL. Combination of CDF and D0 results on the W boson mass and width

Abazov V., Abbott B., Abdesselam A., Abolins M., Abramov V., Acharya B., Acosta D., Adams D., Adams M., Affolder T., et al.

PHYSICAL REVIEW D, vol.70, no.9, 2004 (SCI-Expanded)

XLI. Direct photon cross section with conversions at CDF

Acosta D., Affolder T., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., Artikov A., et al.

PHYSICAL REVIEW D, vol.70, no.7, 2004 (SCI-Expanded)

- XLII. Underlying event in hard interactions at the Fermilab Tevatron $p(\bar{p})$ collider**
 Acosta D., Affolder T., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., Artikov A., et al.
 PHYSICAL REVIEW D, vol.70, no.7, 2004 (SCI-Expanded)
- XLIII. Inclusive double-Pomeron exchange at the Fermilab Tevatron $p(\bar{p})$ collider**
 Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.
 PHYSICAL REVIEW LETTERS, vol.93, no.14, 2004 (SCI-Expanded)
- XLIV. Observation of the narrow state $X(3872) \rightarrow J/\psi \pi^+ \pi^-$ in $p(\bar{p})$ collisions at $\sqrt{s}=1.96$ TeV**
 Acosta D., Affolder T., Ahn M., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev K., et al.
 PHYSICAL REVIEW LETTERS, vol.93, no.7, 2004 (SCI-Expanded)
- XLV. Inclusive search for anomalous production of high- p_T like-sign lepton pairs in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV**
 Acosta D., Affolder T., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., Artikov A., et al.
 PHYSICAL REVIEW LETTERS, vol.93, no.6, 2004 (SCI-Expanded)
- XLVI. Measurement of the polar-angle distribution of leptons from W boson decay as a function of the W transverse momentum in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV**
 Acosta D., Affolder T., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., Artikov A., et al.
 PHYSICAL REVIEW D, vol.70, no.3, 2004 (SCI-Expanded)
- XLVII. Search for $B(s)(0) \rightarrow \mu^+ \mu^-$ and $B(d)(0) \rightarrow \mu^+ \mu^-$ decays in $p(\bar{p})$ collisions at $\sqrt{s}=1.96$ TeV**
 Acosta D., Affolder T., Akimoto T., Albrow M., Ambrose D., Amerio S., Amidei D., Anastassov A., Anikeev K., Annovi A., et al.
 PHYSICAL REVIEW LETTERS, vol.93, no.3, 2004 (SCI-Expanded)
- XLVIII. Search for Kaluza-Klein graviton emission in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV using the missing energy signature**
 Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.
 PHYSICAL REVIEW LETTERS, vol.92, no.12, 2004 (SCI-Expanded)
- XLIX. Optimized search for single-top-quark production at the Fermilab Tevatron**
 Acosta D., Affolder T., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., Artikov A., et al.
 PHYSICAL REVIEW D, vol.69, no.5, 2004 (SCI-Expanded)
- L. Search for pair production of scalar top quarks in R-parity violating decay modes in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV**
 Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.
 PHYSICAL REVIEW LETTERS, vol.92, no.5, 2004 (SCI-Expanded)
- LI. Measurement of the average time-integrated mixing probability of b-flavored hadrons produced at the Fermilab Tevatron**
 Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.
 PHYSICAL REVIEW D, vol.69, no.1, 2004 (SCI-Expanded)
- LII. Measurement of prompt charm meson production cross sections in $p(\bar{p})$ collisions at $\sqrt{s}=1.96$ TeV**
 Acosta D., Affolder T., Ahn M., Akimoto T., Albrow M., Ambrose D., Amidei D., Anastassov A., Anikeev K., Annovi A., et al.

PHYSICAL REVIEW LETTERS, vol.91, no.24, 2003 (SCI-Expanded)

- LIII. **Search for lepton flavor violating decays of a heavy neutral particle in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV**

Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.

PHYSICAL REVIEW LETTERS, vol.91, no.17, 2003 (SCI-Expanded)

- LIV. **Measurement of the mass difference $m(D^*-)-m(D^+)$ at CDF II**

Acosta D., Affolder T., Ahn M., Akimoto T., Albrow M., Alcorn B., Alexander C., Allen D., Allspach D., Amaral P., et al.
PHYSICAL REVIEW D, vol.68, no.7, 2003 (SCI-Expanded)

- LV. **Central pseudorapidity gaps in events with a leading antiproton at the Fermilab Tevatron $p(\bar{p})$ collider**

Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.

PHYSICAL REVIEW LETTERS, vol.91, no.1, 2003 (SCI-Expanded)

- LVI. **Momentum distribution of charged particles in jets in dijet events in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV and comparisons to perturbative QCD predictions**

Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.

PHYSICAL REVIEW D, vol.68, no.1, 2003 (SCI-Expanded)

- LVII. **Search for the supersymmetric partner of the top quark in dilepton events from $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV**

Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.

PHYSICAL REVIEW LETTERS, vol.90, no.25, 2003 (SCI-Expanded)

- LVIII. **Search for associated production of Upsilon and vector boson in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV**

Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.

PHYSICAL REVIEW LETTERS, vol.90, no.22, 2003 (SCI-Expanded)

- LIX. **Search for long-lived charged massive particles in $p(\bar{p})$ collision at $\sqrt{s}=1.8$ TeV**

Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.

PHYSICAL REVIEW LETTERS, vol.90, no.13, 2003 (SCI-Expanded)

- LX. **Search for a $W'()$ boson decaying to a top and bottom quark pair in 1.8 TeV $p(\bar{p})$ collisions**

Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.

PHYSICAL REVIEW LETTERS, vol.90, no.8, 2003 (SCI-Expanded)

- LXI. **Limits on extra dimensions and new particle production in the exclusive photon and missing energy signature in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV**

Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.

PHYSICAL REVIEW LETTERS, vol.89, no.28, 2002 (SCI-Expanded)

- LXII. **Search for radiative b-hadron decays in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV**

Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.

PHYSICAL REVIEW D, vol.66, no.11, 2002 (SCI-Expanded)

- LXIII. **Cross section for forward J/psi production in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV**

Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.

PHYSICAL REVIEW D, vol.66, no.9, 2002 (SCI-Expanded)

- LXIV. **Search for new physics in photon-lepton events in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV**

Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.

PHYSICAL REVIEW LETTERS, vol.89, no.4, 2002 (SCI-Expanded)

LXV. Search for new physics in photon-lepton events in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV

Acosta D., Affolder T., Akimoto H., Akopian A., Albrow M., Amaral P., Amidei D., Anikeev K., Antos J., Apollinari G., et al.

PHYSICAL REVIEW D, vol.66, no.1, 2002 (SCI-Expanded)

LXVI. Comparison of the isolated direct photon cross sections in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV and $\sqrt{s}=0.63$ TeV

Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.

PHYSICAL REVIEW D, vol.65, no.11, 2002 (SCI-Expanded)

LXVII. Search for the decay $B_s \rightarrow \mu^+ \mu^- \phi$ in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV

Acosta D., Affolder T., Akimoto H., Akopian A., Albrow M., Amaral P., Amidei D., Anikeev K., Antos J., Apollinari G., et al.

PHYSICAL REVIEW D, vol.65, no.11, 2002 (SCI-Expanded)

LXVIII. Search for single-top-quark production in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV

Acosta D., Affolder T., Akimoto H., Albrow M., Amaral P., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., et al.

PHYSICAL REVIEW D, vol.65, no.9, 2002 (SCI-Expanded)

LXIX. Measurement of B-meson lifetimes using fully reconstructed B decays produced in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV

Acosta D., Affolder T., Akimoto H., Albrow M., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.

PHYSICAL REVIEW D, vol.65, no.9, 2002 (SCI-Expanded)

LXX. Upsilon production and polarization in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV

Acosta D., Affolder T., Akimoto H., Albrow M., Amaral P., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., et al.

PHYSICAL REVIEW LETTERS, vol.88, no.16, 2002 (SCI-Expanded)

LXXI. Soft and hard interactions in $p(\bar{p})$ collisions at $\sqrt{s}=1800$ and 630 GeV

Acosta D., Affolder T., Akimoto H., Albrow M., Amaral P., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., et al.

PHYSICAL REVIEW D, vol.65, no.7, 2002 (SCI-Expanded)

LXXII. Study of the heavy flavor content of jets produced in association with W bosons in $p(\bar{p})$ collisions at $\sqrt{s}=1.8$ TeV

Acosta D., Affolder T., Akimoto H., Akopian A., Amaral P., Ambrose D., Amidei D., Anikeev K., Antos J., Apollinari G., et al.

PHYSICAL REVIEW D, vol.65, no.5, 2002 (SCI-Expanded)

LXXIII. Measurement of the strong coupling constant from inclusive jet production at the Tevatron ($p(\bar{p})$ collider

Affolder T., Akimoto H., Akopian A., Albrow M., Amaral P., Amidei D., Anikeev K., Antos J., Apollinari G., Arisawa T., et al.

PHYSICAL REVIEW LETTERS, vol.88, no.4, 2002 (SCI-Expanded)

LXXIV. Harmonic analysis of precipitation, pressure and temperature over Turkey

Aslan Z., Okcu D., Kartal S.

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA C-GEOPHYSICS AND SPACE PHYSICS, vol.20, no.4, pp.595-605, 1997 (SCI-Expanded)

LXXV. Statistical mechanics of a deposition-diffusion process

Kartal S., Rodgers G.

PHYSICS LETTERS A, vol.225, pp.239-244, 1997 (SCI-Expanded)

LXXVI. Localized structures of electromagnetic waves in hot electron-positron plasmas

Articles Published in Other Journals

I. DEVELOPMENT OF A NEW DEVICE FOR APPLYING ATMOSPHERIC PRESSURE COLD PLASMA ON FOODS

AKAN T., KARTAL S., MOL TOKAY S., COŞANSU AKDEMİR S., TOSUN Ş. Y., ÜÇÖK ALAKAVUK D., ULUSOY Ş., DOĞRUYOL BAYAR H., BOSTAN K.

FOOD AND ENVIRONMENT SAFETY JOURNAL, vol.21, no.4, pp.321-332, 2022 (Peer-Reviewed Journal)

II. Calculation of Surface Tension and Viscosity of Liquid Transition Metals

Sevilay U., turgay a., KARTAL S.

International Journal of Basic Sciences and Applied Computing (IJBSAC), vol.1, no.7, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

I. FİZİK 12. Sınıf Ders Kitabı

Kartal S. (Editor)

Milli Eğitim Bakanlığı, Ankara, 2023

II. Üniversiteler için Fizik II

KARTAL S.

Nobel Akademik Yayıncılık Eğitim Danışmanlık Tic. Ltd. Şti., İstanbul, 2016

III. Electromagnetic Waves

Altıntaş A. A., Yılmaz A., Bölükbaşı Yalçinkaya O., Ünsalan O., Tavukoğlu Şahin Z., Olgun A. T., Kartal S. (Editor)

in: Physics 2 for Universities, Sehban Kartal, Editor, Nobel Yayın Dağıtım, İstanbul, pp.240-260, 2016

IV. Özel Görelilik ve Kuantum Mekanikine Giriş

KARTAL S.

in: Üniversiteler için Fizik I, Kartal S., Editor, Nobel Akademik Yayıncılık Eğitim Danışmanlık Tic.Ltd. Şti., İstanbul, pp.216-235, 2016

V. Inductance and circuit oscillations-Alternating Current

Bölükbaşı Yalçinkaya O., Altıntaş A. A., Ünsalan O., Olgun A. T., Tavukoğlu Şahin Z., Kartal S. (Editor)

in: Physics 2 for Universities, Sehban Kartal, Editor, Nobel Yayınevi, İstanbul, pp.208-239, 2016

VI. Instrumentation in Elementary Particle Physics

KARTAL S.

American Institute of Physics Press see AIP Press, New York, 2000

Refereed Congress / Symposium Publications in Proceedings

I. REDUCTION OF SALMONELLA ENTERITIDIS ON SEABASS (DICENTRARCHUS LABRAX) BY ATMOSPHERIC PRESSURE AIR AND HELIUM COLD PLASMA

Coşansu Akdemir S., Akan T., Kartal S., Mol Tokay S., Tosun Ş. Y., Üçok Alakavuk D., Ulusoy Ş., Doğruyol Bayar H., Bostan K.

15th INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES , Muş, Turkey, 4 - 06 March 2023, pp.58

II. RETARDING SPOILAGE AND MAINTAINING THE QUALITY OF SEA BASS USING ATMOSPHERIC COLD PLASMA.

Ulusoy Ş., Akan T., Kartal S., Üçok Alakavuk D., Tosun Ş. Y., Doğruyol Bayar H., Coşansu Akdemir S., Bostan K., Mol Tokay S.

15th INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES, Muş, Turkey, 4 - 06 March 2023, pp.59

- III. **Resonant_Production_of_Scalar_Leptons_by_RPV_Couplings_at_the_FCC**
BÖLÜKBAŞI YALÇINKAYA O., KARTAL S., YILMAZ A., Pagliarone C., ÖZDEMİR K., SULTANSOY S., ŞAHİN M.
FCC week 2017, Berlin, Germany, 29 May - 02 June 2017
- IV. **Underline event and Background studies in pp collisions at 100 TEV at FCC**
KARTAL S., ÖZDEMİR K., BÖLÜKBAŞI YALÇINKAYA O., YILMAZ A., Pagliarone C., Sultansoy s., ŞAHİN M., Halimoğlu G.
33. International Physics Congress, Muğla, Turkey, 6 - 10 September 2017
- V. **Pentilentetrazol ile İndüklenen Nöbetlerin Periferik Dokularda Biyomoleküler Yapı Üzerine Etkilerinin Fourier Transform İnfrared Spektroskopi Yöntemi ile Araştırılması ve Oksidatif Stres Markırları ile Karşılaştırılması.**
ÜZÜM G., Erdem Kuruca S., Kaptan Z., KAPUCU A., AKGÜN DAR K., YILMAZ A., BÖLÜKBAŞI YALÇINKAYA O., KARTAL S., Kaleler İ., KURUCA D. S.
43. Ulusal Fizyoloji Kongresi, Denizli, Turkey, 7 - 10 September 2017, pp.82
- VI. **CO2 as Refrigreant in Food Refrigeration**
KARTAL S., Hegglin A.
33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.158
- VII. **Underline event and backround studies in pp collisions at 100 TeV at FCC**
KARTAL S., bölükbaşı o., yılmaz a.
33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.412
- VIII. **Probing FCNC Couplings of Top-Higgs at LHeC anf FCC-eh**
HACİŞAHİNOĞLU B., TÜRK ÇAKIR İ., ÇAKIR O., YILMAZ A., KARTAL S.
TFD 33. International Physics Congress, Muğla, Turkey, 06 September 2017, vol.2017, pp.400
- IX. **Pre-cooling of ton-scale particle detectors in low radioactivityenvironments.**
Cappelli L., Pagliarone C. E., Carlo B., DAguanno D., Erme G., Gorla P., KARTAL S., Marignetti F.
28th International Conference on Low Tempature Physics, Gothenberg, Sweden, 9 August - 16 December 2017, pp.264-265
- X. **The Cuore Fast Cooling system**
Pagliarone C. E., Cappelli L., Carlo B., Gorla P., DAguanno D., Marignetti F., Erme G., KARTAL S.
EPS Conference on High Energy Physics, 2017, Venedik, Italy, 5 - 12 July 2017, pp.634
- XI. **Resonant Production of Scalar Leptons via RPV Couplings at the FCC**
Kartal S., Bölükbaşı Yalçinkaya O., Yılmaz A., Özdemir K., Sultansoy S., Şahin M.
FCC Week 2017, Berlin Germany, Berlin, Germany, 29 May - 02 June 2017, pp.268
- XII. **Probing Anomalous HVV Couplings at the FCC-eh**
ALTINLI M., İlkey T. Ç., BÖLÜKBAŞI YALÇINKAYA O., Abdülkadir Ş., KARTAL S., Çakır O.
FCC Week 2017, Berlin Germany, Berlin, Germany, 29 May - 02 June 2017, pp.275
- XIII. **PROBING FCNC COUPLINGS OF TOP-HIGGS AT LHEC AND FCC-EH**
HACİSAHİNOĞLU B., TÜRK ÇAKIR İ., ÇAKIR O., YILMAZ A., KARTAL S.
TURKISH PHYSICAL SOCIETY 33rdINTERNATIONAL PHYSICS CONGRESS, 6 - 10 September 2017
- XIV. **CAT 2-An improved Version of Cryogenic Analysis Tools for Online and Offline Monitoring and Analysis of Large Size Cryostats**
Pagliarone C. E., Uttaro S., Cappelli L., Fallone M., Kartal S.
32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 September 2016, vol.1815
- XV. **STUDY ON FCNC COUPLINGS OF HIGGS UP SECTOR QUARKS AT EP COLLIDERS**
KARTAL S., Hacışahinoğlu B., TÜRK ÇAKIR İ., YILMAZ A., BÖLÜKBAŞI YALÇINKAYA O., ÇAKIR O.
TFD 32. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 - 09 September 2016
- XVI. **SEARCH ON GAUGE BOSON WITH HIGGS ANOMALOUS COUPLINGS AT EP-COLLIDERS**
BÖLÜKBAŞI YALÇINKAYA O., ALTINLI M., TÜRK ÇAKIR İ., YILMAZ A., ŞENOL A. k., KARTAL S.
TFD32 Uluslararası Fizik Kongresi, Muğla, Turkey, 6 - 09 September 2016, pp.15-16

XVII. CAT - Cryogeny Analysis Tools For Online and Offline Monitoring and Analysis of Large Size Cryostats

Pagliarone C. E., Uttaro S., Cappelli L., Kartal S.

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

XVIII. Thermodynamical and Structural Properties of Some Liquid Transition Metals near Melting Point

Ucar S., Kartal S., Armagan T.

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

Memberships / Tasks in Scientific Organizations

CERN-ALICE, Country Representative, 2021 - Continues, Switzerland

CERN-FCC, Country Representative, 2019 - Continues, Switzerland

Futuristic Association, Member, 2019 - Continues, Turkey

European Physical Society, Member, 1994 - Continues, United Kingdom

İstanbul University Faculty Members Association, Board Member, 2010 - 2018, Turkey

Türk Fizik Derneği, Board Member, 1999 - 2002

Scientific Refereeing

IEEE Transactions on Radiation and Plasma Medical Sciences, SCI Journal, October 2023

IEEE Transactions on Radiation and Plasma Medical Sciences, SCI Journal, September 2023

TUBITAK Project, December 2018

TUBITAK Project, June 2018

Turkish Journal of Physics, SCI Journal, November 2017

TURKISH JOURNAL OF PHYSICS , SCI Journal, January 2017

Bilimsel Telif ve Çeviri Eser Ödülleri Programı (TEÇEP), Other Journals, March 2014

TUBITAK Project, April 2013

TUBITAK Project, April 2013

TUBITAK Project, April 2013

TUBITAK Project, April 2013

TUBITAK Project, April 2013

Metrics

Publication: 102

Citation (WoS): 4402

Citation (Scopus): 4371

H-Index (WoS): 30

H-Index (Scopus): 25

Congress and Symposium Activities

6- CERN deneyleri ve Ülkemizden Katılan Üniversitelerin genel değerlendirmesi, Attendee, Ankara, Turkey, 2017

RECFA-Country Meeting, Boğaziçi Üniversitesi, İstanbul, Attendee, İstanbul, Turkey, 2017

TPS33, International Physics Congress, Attendee, Muğla, Turkey, 2017

FCC-Week 2017, Berlin Almanyası, Attendee, Berlin, Germany, 2017

Geleceğin Dairesel Çarpıştırıcısı, Marmara Üniversitesi , Fizik Bölümü, Attendee, Turkey, 2017
Cern ve Medikal Uygulamalar, İstanbul Tıp Fakültesi, Attendee, İstanbul, Turkey, 2017
Geleceğe Davetlisiniz, Gelecek Yüzyılın Deneyinde bir Türk İmzası, Tarhan Koleji, Attendee, İstanbul, Turkey, 2017
1st FCC Physics Workshop, CERN ,İsviçre, Attendee, Genève, Switzerland, 2017
Cern'de Neler Oluyor, Marmara Koleji, Attendee, İstanbul, Turkey, 2017
FCC-İstanbul Veri analiz Okulu, Attendee, İstanbul, Turkey, 2016
Gelecek Yüzyılın Deneyinde Bir Türk İmzası, Attendee, Kocaeli, Turkey, 2016
USİMP Patent Fuarı, Attendee, Turkey, 2016
31. Şişecam Sempozyumu- Sürdürülebilir Gelecekte Cam, Attendee, İstanbul, Turkey, 2016
Hello Toomorrow Istanbul- The Future of Energy, Attendee, Turkey, 2016
Innovations in Learning for the Future, Attendee, Turkey, 2016
TPS32- International Physics Congress, Attendee, Muğla, Turkey, 2016
IICEC 7th International Energy and Climate Forum, Attendee, İstanbul, Turkey, 2016
Hızlandırıcı ve Algıç Fiziği Çalıştayı, Attendee, İstanbul, Turkey, 2016
Değişen Müze Teknolojileri, Attendee, İstanbul, Turkey, 2016
3rd International University Museums Association Conference, Attendee, Edirne, Turkey, 2016
FCC Physics, Detector and Accelerator Workshop @ İstanbul, Attendee, İstanbul, Turkey, 2016
İstanbul Security Conference,03-05 December 2015, İstanbul, Attendee, İstanbul, Turkey, 2015
Marie Skeodowska Curie Actions Briding Business and Research , 23 October 2015 İstanbul, Attendee, Turkey, 2015
9th International Physics Conference of the Balkan Physical Union – BPU9 , 24-27 August 2015 , İstanbul University , İstanbul , Turkey, Attendee, İstanbul, Turkey, 2015
II. Uluslararası Üniversite Müzeleri Birliği Paltformu, Attendee, Boğaziçi Üniversitesi İstanbul, Turkey, 2015
Türkiye İnovasyon Haftası, Attendee, İstanbul, Turkey, 2014
Turkcell Teknoloji zirvesi, Attendee, İstanbul, Turkey, 2014
German-Turkhis University Cooperation, Attendee, İstanbul, Turkey, 2014
Yüksek Enerji Fiziği ve Nükleer Fizikte Hesaplama Teknikleri Mini Çalıştayı, Attendee, İstanbul Aydın Üniversitesi, İstanbul, Turkey, 2014
İyon Kanalları ve Kanser Sempozyumu, Attendee, İstanbul Üniversitesi Kongre ve Kültür Merkezi, Turkey, 2014
I. Üniversite Müzeleri Platformu, Attendee, Deniz Müzesi , Beşiktaş -İstanbul, Turkey, 2014
18. Türkiye'de İnternet Konferansı, Attendee, İstanbul Üniversitesi, İstanbul, Turkey, 2013
TFD28 Uluslararası Fizik Kongresi, Attendee, Bodrum, Turkey, 2011
Akademik Bilişim Konferansı, İnönü Üniversitesi, Attendee, Malatya, Turkey, 2011
XV. Türkiye'de İnternet Konferansı, İstanbul Teknik Üniversitesi, Attendee, İstanbul, Turkey, 2010
TFD27 Uluslararası Fizik Kongresi, Attendee, Bodrum, Turkey, 2010

Awards

KARTAL S., Uluslararası yayınlarla Türkiye Bilimine katkılarından ötürü "1998 yılı Prof. Dr. Nazım Terzioğlu Ödüsü", İstanbul Üniversitesi araştırma Fonu, December 1998
KARTAL S., Genç Bilim Adamı Ödülü " Asymmetryin shape F-Region and its role in Ionospheric Modeling", URSI, September 1993

Non Academic Experience

İstanbul Üniversitesi Fen Fakültesi Fizik bölümü Yüksek enerji ve Plazma Fiziği Anabilim Dalı
İstanbul Üniversitesi Fen Fakültesi Fizik Bölümü
Beykent Üniversitesi
İstanbul Üniversitesi Fen Fakültesi fizik Bölümü
Ulusal Fermi Araştırma Laboratuvarı (FNAL- ABD)

Brunel Üniversitesi Fizik Bölümü
İstanbul Üniversitesi Fen Fakültesi Fizik Bölümü
Uluslararası Teorik Fizik Merkezi (ICTP)