

Prof. SALİH CEM İNAN

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ankara University, Turkey 2005 - 2009

Postgraduate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Turkey 2002 - 2005

Undergraduate, Ankara University, Department Of Physics, Turkey 1998 - 2002

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Büyük ek boyutların çarpıştırıcılarda ve düşük enerjilerde incelenmesi, Ankara University, Fen Bilimleri Enstitüsü, 2009

Postgraduate, CLIC' de Higgs Bozon Üretiminin Simülasyon Program Paketlerinin Yardımıyla İncelenmesi , Sivas Cumhuriyet University, Fen Fakültesi, Fizik Bölümü, 2005

Research Areas

General Theory of Particles and Fields, Properties of special particles, Special reactions and phenomenology, Special theories and interaction models, particle systematics

Academic Titles / Tasks

Professor, Sivas Cumhuriyet University, Fen Fakültesi, Fizik Bölümü, 2019 - Continues

Associate Professor, Sivas Cumhuriyet University, Fen Fakültesi, Fizik Bölümü, 2012 - 2019

Assistant Professor, Sivas Cumhuriyet University, Fen Fakültesi, Fizik Bölümü, 2010 - 2012

Research Assistant, Sivas Cumhuriyet University, Fen Fakültesi, Fizik Bölümü, 2002 - 2010

Academic and Administrative Experience

Head of Department, Sivas Cumhuriyet University, Fen Fakültesi, Fizik Bölümü, 2019 - 2021

Head of Department, Sivas Cumhuriyet University, Fen Fakültesi, Fizik Bölümü, 2011 - 2020

Doçent Temsilcisi, Sivas Cumhuriyet University, Fen Fakültesi, Fizik Bölümü, 2015 - 2018

Deputy Head of Department, Sivas Cumhuriyet University, Fen Fakültesi, Fizik Bölümü, 2013 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Probing anomalous $\gamma\gamma\gamma\gamma$ couplings at a future muon collider**
Amarkhail H., İNAN S. C., Kisselev A.
Nuclear Physics B, vol.1005, 2024 (SCI-Expanded)
- II. **Probe of axion-like particles in vector boson scattering at a muon collider**
İNAN S. C., Kisselev A.
Journal of Physics G: Nuclear and Particle Physics, vol.50, no.10, 2023 (SCI-Expanded)
- III. **Search for noncommutative interactions in $\gamma\gamma \rightarrow \gamma\gamma$ process at the LHC**
Inan S. C., Kisselev A.
EUROPEAN PHYSICAL JOURNAL C, vol.82, no.9, 2022 (SCI-Expanded)
- IV. **Search for invisible dark photon in γe scattering at future lepton colliders**
Inan S. C., Kisselev A. V.
EUROPEAN PHYSICAL JOURNAL C, vol.82, no.7, 2022 (SCI-Expanded)
- V. **Probing anomalous $\gamma\gamma\gamma Z$ couplings through γZ production in $\gamma\gamma$ collisions at the CLIC**
Inan S. C., Kisselev A.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2021, no.10, 2021 (SCI-Expanded)
- VI. **Probing anomalous quartic $\gamma\gamma\gamma\gamma$ couplings in light-by-light collisions at the CLIC**
Inan S. C., Kisselev A. V.
EUROPEAN PHYSICAL JOURNAL C, vol.81, no.7, 2021 (SCI-Expanded)
- VII. **Polarized light-by-light scattering at the CLIC induced by axion-like particles**
Inan S. C., Kisselev A. V.
CHINESE PHYSICS C, vol.45, no.4, 2021 (SCI-Expanded)
- VIII. **Muon pair production via photon-induced scattering at the CLIC in models with extra dimensions**
Inan S. C., Kisselev A. V.
NUCLEAR PHYSICS B, vol.956, 2020 (SCI-Expanded)
- IX. **A search for axion-like particles in light-by-light scattering at the CLIC**
Inan S. C., Kisselev A. V.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2020, no.6, 2020 (SCI-Expanded)
- X. **Probe of the Randall-Sundrum-like model with the small curvature via light-by-light scattering at the LHC**
İNAN S. C., Kisselev A.
PHYSICAL REVIEW D, vol.100, no.9, 2019 (SCI-Expanded)
- XI. **Search for the RS model with a small curvature through photon-induced process at the LHC**
Inan S. C., Kisselev A.
EUROPEAN PHYSICAL JOURNAL C, vol.78, no.9, 2018 (SCI-Expanded)
- XII. **Analysis of the anomalous electromagnetic moments of the tau lepton in γp collisions at the LHC**
Koksal M., Inan S. C., Billur A. A., Ozguven Y., Bahar M. K.
PHYSICS LETTERS B, vol.783, pp.375-380, 2018 (SCI-Expanded)
- XIII. **Search for the anomalous electromagnetic moments of tau lepton through electron-photon scattering at CLIC**
Ozguven Y., Billur A. A., Inan S. C., Bahar M. K., Koksal M.
NUCLEAR PHYSICS B, vol.923, pp.475-490, 2017 (SCI-Expanded)
- XIV. **Probe of the Anomalous Quartic Couplings with Beam Polarization at the CLIC**

- Senol A., Koksals M., Inan S. C.
ADVANCES IN HIGH ENERGY PHYSICS, 2017 (SCI-Expanded)
- XV. **Anomalous WW gamma couplings with beam polarization at the Compact Linear Collider**
Ari V., Billur A. A., Inan S. C., Koksals M.
NUCLEAR PHYSICS B, vol.906, pp.211-230, 2016 (SCI-Expanded)
- XVI. **Dimension-six anomalous tq gamma couplings in gamma gamma collision at the LHC**
Inan S. C.
NUCLEAR PHYSICS B, vol.897, pp.289-301, 2015 (SCI-Expanded)
- XVII. **Graviton production through photon-quark scattering at the LHC**
Sahin I., Koksals M., Inan S. C., Billur A. A., Sahin B., Tektas P., Alici E., Yildirim R.
PHYSICAL REVIEW D, vol.91, no.3, 2015 (SCI-Expanded)
- XVIII. **Anomalous tq gamma Couplings in gamma p Collision at the LHC**
Koksals M., Inan S. C.
ADVANCES IN HIGH ENERGY PHYSICS, 2014 (SCI-Expanded)
- XIX. **Search for the Anomalous Interactions of Up-Type Heavy Quarks in gamma gamma Collision at the LHC**
Koksals M., Inan S. C.
ADVANCES IN HIGH ENERGY PHYSICS, 2014 (SCI-Expanded)
- XX. **Probe of extra dimensions in gamma q -> gamma q at the LHC**
Sahin I., Billur A. A., Inan S. C., Sahin B., Koksals M., Tektas P., Alici E., Yildirim R.
PHYSICAL REVIEW D, vol.88, no.9, 2013 (SCI-Expanded)
- XXI. **THE EFFECT OF ELECTROMAGNETIC PROPERTIES OF NEUTRINOS ON THE PHOTON-NEUTRINO DECOUPLING TEMPERATURE**
Inan S. C., Koksals M.
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.27, no.32, 2012 (SCI-Expanded)
- XXII. **Direct Graviton Production via Photon-Photon Fusion at the CERN-LHC**
Inan S. C.
CHINESE PHYSICS LETTERS, vol.29, no.3, 2012 (SCI-Expanded)
- XXIII. **The Impact of Excited Neutrinos on nu(nu)over-bar -> gamma gamma Process**
Inan S. C., Koksals M.
ADVANCES IN HIGH ENERGY PHYSICS, 2012 (SCI-Expanded)
- XXIV. **Polarized top pair production in extra dimension models via photon-photon fusion at the CERN LHC**
Inan S. C., Billur A. A.
PHYSICAL REVIEW D, vol.84, no.9, 2011 (SCI-Expanded)
- XXV. **FOURTH GENERATION LEPTONS SEARCH IN gamma gamma -> l(-) l(+) PROCESS AT THE CERN-LHC**
Inan S. C.
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.26, no.21, pp.3605-3613, 2011 (SCI-Expanded)
- XXVI. **Extra dimensions in gamma gamma -> gamma gamma process at the CERN-LHC**
Atag S., Inan S. C., Sahin I.
JOURNAL OF HIGH ENERGY PHYSICS, no.9, 2010 (SCI-Expanded)
- XXVII. **Exclusive excited leptons search in two lepton final states at the CERN LHC**
Inan S. C.
PHYSICAL REVIEW D, vol.81, no.11, 2010 (SCI-Expanded)
- XXVIII. **Unitarity Analysis of FCNC Top Quark Couplings**
İNAN S. C.
Balkan Physics Letters, 2010 (SCI-Expanded)
- XXIX. **Extra dimensions in photon-induced two lepton final states at the CERN LHC**
Atag S., Inan S. C., Sahin I.
PHYSICAL REVIEW D, vol.80, no.7, 2009 (SCI-Expanded)
- XXX. **Probe of unparticles at the LHC in exclusive two lepton and two photon production via photon-photon fusion**

Articles Published in Other Journals

- I. **CLIC'te Spin-1/2 Leptonların l l- Süreci ile İncelenmesi**
İNAN S. C.
Cumhuriyet Science Journal, vol.38, no.4, pp.115-120, 2017 (Peer-Reviewed Journal)
- II. **6 Boyutlu Anomal tgy Çiftleniminin Foton İndüklü Süreç ile 100 TeV Kütle Merkezi Enerjisinde İncelenmesi**
İNAN S. C.
Cumhuriyet Science Journal, vol.37, no.4, 2016 (Peer-Reviewed Journal)
- III. **Search for the anomalous electromagnetic moments of the tau lepton through electron photon scattering at the CLIC**
ÖZGÜVEN Y., İNAN S. C., BİLLUR A. A., KÖKSAL M., BAHAR M. K.
arXiv, 2016 (Non Peer-Reviewed Journal)
- IV. **Probe of extra dimensions in rare decay $Z \rightarrow \nu\nu - \gamma\gamma$**
İnan S. C.
Balkan Physics Letter, vol.18, pp.190-195, 2010 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Large Extra Dimensions Search Through The Process $l l - \rightarrow \gamma\gamma$ At The CLIC and FF- $\mu\mu$**
İNAN S. C.
2. Uluslararası 19 Mayıs Yenilikçi Bilimsel Yaklaşımlar Kongresi, 27 - 29 December 2019
- II. **Komütatif Olmayan Uzay-Zamanın Foton İndüklü Süreçler İle HE-LHC'de İncelenmesi**
İNAN S. C.
2. Uluslararası 19 Mayıs Yenilikçi Bilimsel Yaklaşımlar Kongresi, 27 - 29 December 2019
- III. **Search for noncommutative space-time in foton-foton-Z process at the LHC**
İNAN S. C.
V. International Multidisciplinary Congress Of Eurasia, 24 - 26 July 2018
- IV. **Search for the ADD Model in Photon-Induced Reactions at the CLIC**
BİLLUR A. A., İNAN S. C.
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, 6 - 10 September 2017
- V. **Gauge Bosons Anomalous Quartic Couplings Search at the CLIC**
İNAN S. C., KÖKSAL M., ŞENOL A.
III. International Conference on Engineering and Natural Sciences, 3 - 07 May 2017
- VI. **Probing for the anomalous electromagnetic moments of the tau lepton via electron-photon interactions at the CLIC**
BİLLUR A. A., KÖKSAL M., İNAN S. C.
3th International Conference on Engineering and Natural Sciences, 3 - 07 May 2017
- VII. **Search for spin 3/2 excited leptons via photoninduced reactions at the LHC**
İNAN S. C., BİLLUR A. A., KÖKSAL M.
3rd International Conference on Engineering and Natural Science, 3 - 07 May 2017
- VIII. **Probing The Anomalous Electromagnetic Moments Of The Tau Lepton In $\gamma\gamma$ Collisions At The LHC**
KÖKSAL M., İNAN S. C., BİLLUR A. A., BAHAR M. K., Özgüven Y.
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, 6 - 10 September 2017
- IX. **Search for extra dimension models in top-quark pair production via photon-photon fusion at the cern-lhc**

BİLLUR A. A., İNAN S. C.

3th International Conference on Engineering and Natural Sciences, 3 - 07 May 2017

- X. **Search for anomalous $\gamma\gamma$ interactions through gamma-gamma collisions at the CLIC**
KÖKSAL M., İNAN S. C., BİLLUR A. A.
3th International Conference on Engineering and Natural Sciences, 3 - 07 May 2017
- XI. **Effect of the anomalous couplings on the single top quark spin asymmetry in photon photon interactions at the LHC**
İNAN S. C.
IX. International Workshop on Nuclear Structure Properties, 1 - 03 September 2016
- XII. **Extra Dimensions Search in Photon Induced Reactions at the LHC**
İNAN S. C.
7th International Workshop on Nuclear Structure Properties, 27 - 29 October 2014
- XIII. **Top Quark Flavor Changing Interactions In Photon Induced Reactions at the LHC**
İNAN S. C.
Türk Fizik Derneği 31. Uluslararası Fizik Kongresi, 23 - 26 July 2014
- XIV. **LHC de EK BOYUTLARDA İKİ LEPTON SON DURUMLU PHOTO ÜRETİM**
İNAN S. C.
Ankara Yüksek Enerji Fiziği Günleri, Turkey, 29 - 30 May 2009
- XV. **Production of the randall-sundrum type kaluza-klein excitations at future $e^{(+)}e^{(-)}$, ep and pp colliders**
Billur A. A., Ciftci A. K., Ciftci R., Inan S. C., Sultansoy S.
6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.187-188
- XVI. **Production of the ADD type Kaluza-Klein excitations at future $e^{(+)}e^{(-)}$, ep and pp colliders**
Billur A. A., Ciftci A. K., Ciftci R., Inan S. C., Sultansoy S.
6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.199-200

Supported Projects

- İnan S. C., Project Supported by Higher Education Institutions, Komütatif-olmayan uzay-zamanda Z bozonu üretiminin LHC'xxde foton indüklü süreçlerle incelenmesi, 2018 - 2019
- İnan S. C., TUBITAK Project, Tau Leptonun Elektromanyetik Özelliklerinin Lepton Ve Hadron Çarpıştırıcılarında Araştırılması, 2015 - 2018
- Bahar M. K., İnan S. C., TUBITAK Project, Tau leptonun elektromanyetik özelliklerinin lepton ve hadron çarpıştırıcılarında araştırılması, 2015 - 2018
- İnan S. C., Billur A. A., Project Supported by Higher Education Institutions, Uyarılmış Spin 3 2 Fermiyonların Foton Foton Etkileşmelerinde İncelenmesi, 2016 - 2017
- İnan S. C., Şahin İ., TUBITAK Project, Ek Boyutların CERN LHC de Foton İndüklü Reaksiyonlarda Araştırılması, 2013 - 2015
- İnan S. C., Project Supported by Higher Education Institutions, CERN LHC de İndüklenmiş Foton Reaksiyonlarıyla Fermiyonların Çeşni Değişim Süreçlerinin İncelenmesi, 2012 - 2014
- İnan S. C., Project Supported by Higher Education Institutions, LHC de Ayrık Exclusive Üretim Süreçleriyle Standart Model Ötesi Teorilerin İncelenmesi, 2011 - 2012

Metrics

Publication: 50

Citation (WoS): 531

Citation (Scopus): 465

H-Index (WoS): 12

H-Index (Scopus): 14