

Prof. SALİH CEM İNAN

Personal Information

Email: sceminan@cumhuriyet.edu.tr

Web: <https://avesis.cumhuriyet.edu.tr/sceminan>

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 - Continues

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

Courses

Fizik I, Undergraduate, 2019 - 2020

Genel Fizik Laboratuvarı - I, Undergraduate, 2019 - 2020

Klasik Mekanik, Undergraduate, 2019 - 2020

Genel Fizik II, Undergraduate, 2018 - 2019

Bitirme Tezi, Undergraduate, 2019 - 2020

Sayısal Analiz, Undergraduate, 2019 - 2020

Klasik Mekanik-I, Postgraduate, 2019 - 2020

Kuantum Fizigi II, Undergraduate, 2018 - 2019

Genel Fizik II, Undergraduate, 2018 - 2019

Genel Fizik, Undergraduate, 2019 - 2020

Fizik II (Mekanik II), Undergraduate, 2018 - 2019

İstatistik Mekanik I, Postgraduate, 2019 - 2020

Klasik Mekanik, Undergraduate, 2018 - 2019

Uzmanlık Alan Dersi, Postgraduate, 2018 - 2019

Fizik II, Undergraduate, 2017 - 2018

Tez Çalışması, Postgraduate, 2018 - 2019

Mühendisler için Matematiksel Modelleme, Undergraduate, 2017 - 2018

Fizik I (Mekanik), Undergraduate, 2018 - 2019

Kuantum Fizigi II, Undergraduate, 2016 - 2017
Temel Etkileşmeler Fizigi-I, Postgraduate, 2017 - 2018
Genel Fizik - II, Undergraduate, 2016 - 2017
İstatistik Fizik, Undergraduate, 2016 - 2017
Genel Fizik II, Undergraduate, 2015 - 2016
Genel Fizik I, Undergraduate, 2015 - 2016
Kuantum Fizigi I, Undergraduate, 2015 - 2016
Genel Fizik I, Undergraduate, 2015 - 2016
İstatistik Fizik, Undergraduate, 2014 - 2015
Temel Etkileşimler Fizigi-II, Postgraduate, 2014 - 2015
Kuantum Fizigi I, Undergraduate, 2015 - 2016
Seminer Dersi, Postgraduate, 2013 - 2014
Genel Fizik I, Undergraduate, 2014 - 2015
Genel Fizik II, Undergraduate, 2012 - 2013
Genel Fizik I, Undergraduate, 2012 - 2013
Temel Fizik, Associate Degree, 2011 - 2012

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

- I. **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 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **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, no.6, 2020 (Journal Indexed in SCI)
- V. **Probe of the Randall-Sundrum-like model with the small curvature via light-by-light scattering at the LHC**
INAN S. C. , Kisselev A.
PHYSICAL REVIEW D, vol.100, no.9, 2019 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **Analysis of the anomalous electromagnetic moments of the tau lepton in gamma p 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 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **Probe of the Anomalous Quartic Couplings with Beam Polarization at the CLIC**
Senol A., Koksal M., Inan S. C.
ADVANCES IN HIGH ENERGY PHYSICS, 2017 (Journal Indexed in SCI)

- X. **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 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **Anomalous tq gamma Couplings in gamma p Collision at the LHC**
Koksals M., Inan S. C.
ADVANCES IN HIGH ENERGY PHYSICS, 2014 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **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 (Journal Indexed in SCI)
- XVII. **Direct Graviton Production via Photon-Photon Fusion at the CERN-LHC**
Inan S. C.
CHINESE PHYSICS LETTERS, vol.29, no.3, 2012 (Journal Indexed in SCI)
- XVIII. **The Impact of Excited Neutrinos on nu(nu)over-bar -> gamma gamma Process**
Inan S. C. , Koksals M.
ADVANCES IN HIGH ENERGY PHYSICS, 2012 (Journal Indexed in SCI)
- XIX. **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 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- XXI. **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 (Journal Indexed in SCI)
- XXII. **Exclusive excited leptons search in two lepton final states at the CERN LHC**
Inan S. C.
PHYSICAL REVIEW D, vol.81, no.11, 2010 (Journal Indexed in SCI)
- XXIII. **Unitarity Analysis of FCNC Top Quark Couplings**
İNAN S. C.
Balkan Physics Letters, 2010 (Journal Indexed in SCI Expanded)
- XXIV. **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 (Journal Indexed in SCI)
- XXV. **Probe of unparticles at the LHC in exclusive two lepton and two photon production via photon-photon fusion**
Sahin I., Inan S. C.
JOURNAL OF HIGH ENERGY PHYSICS, no.9, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **CLIC'te Spin-1/2 Leptonların l - Süreci ile İncelenmesi**
İNAN S. C.
Cumhuriyet Science Journal, vol.38, no.4, pp.115-120, 2017 (Refereed Journals of Other Institutions)
- 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 (Refereed Journals of Other Institutions)
- 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-Refreed Journal)
- IV. **Probe of extra dimensions in rare decay $Z \rightarrow \nu\nu\text{-}\gamma\gamma$**
İnan S. C.
Balkan Physics Letter, vol.18, pp.190-195, 2010 (Refereed Journals of Other Institutions)

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 tqgamma 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

Bahar M. K. , İnan S. C. , TUBITAK Project, Tau leptonun elektromanyetik özelliklerinin lepton ve hadron çarpıştırıcılarında araştırılması, 2015 - 2018

Citations

Total Citations (WOS):516

h-index (WOS):11