

## **Personal Information**

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## **Education Information**

Doctorate, Bülent Ecevit Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 2007 - 2012

Post Graduate, Sivas Cumhuriyet Üniversitesi, Fen-Edebiyat Fakültesi, Turkey 2003 - 2006

Under Graduate, Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, Turkey 1998 - 2002

## **Foreign Languages**

English, B2 Upper Intermediate

## **Dissertations**

Doctorate, Standart model ötesi fiziğin araştırılmasında nötrino etkileşimleri, Bülent Ecevit Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2012

Post Graduate, Heteroyapılarda alan altında kutuplanabilirlik ve fotoiyonizasyon tesir-kesiti hesabı, Sivas Cumhuriyet Üniversitesi, Fen-Edebiyat Fakültesi, 2006

## **Research Areas**

Natural Sciences

## **Academic Titles / Tasks**

Associate Professor, Sivas Cumhuriyet Üniversitesi, Teknoloji Fakültesi, Optik Mühendisliği Bölümü, 2016 - Continues

Assistant Professor, Sivas Cumhuriyet Üniversitesi, Teknoloji Fakültesi, Optik Mühendisliği Bölümü, 2014 - Continues

Assistant Professor, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, İstatistik Bölümü, 2013 - 2014

Research Assistant, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2008 - 2013

## **Professional Experience**

Deputy Head of Department, Sivas Cumhuriyet Üniversitesi, Teknoloji Fakültesi, 2014 - Continues

Deputy Head of Department, Sivas Cumhuriyet Üniversitesi, Fen-Edebiyat Fakültesi, 2013 - 2014

## **Courses**

Statik, Under Graduate, 2019 - 2020

Lazer Fiziği Uygulamaları-I, Post Graduate, 2019 - 2020

İleri Fizik Optik, Post Graduate, 2019 - 2020

Seminer Dersi, Post Graduate, 2016 - 2017

Statik, Under Graduate, 2017 - 2018

Statik, Under Graduate, 2017 - 2018

Statik, Under Graduate, 2017 - 2018  
Lens Tasarımı ve Kusurları, Post Graduate, 2017 - 2018  
Optik İnce Film Kaplama Teknikleri, Post Graduate, 2016 - 2017  
Uzmanlık Alan Dersi, Post Graduate, 2017 - 2018  
Statik, Under Graduate, 2017 - 2018  
Statik, Under Graduate, 2017 - 2018  
Teknik Çeviri, Under Graduate, 2016 - 2017  
Teknik Çeviri, Under Graduate, 2016 - 2017  
Statik, Under Graduate, 2016 - 2017  
Statik, Under Graduate, 2016 - 2017  
İstatistik, Under Graduate, 2014 - 2015  
Bilgisayar - I, Under Graduate, 2014 - 2015

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

- **Probing the anomalous  $tq$  gamma couplings through single top production at the future lepton-hadron colliders**  
Alici E., KÖKSAL M.  
MODERN PHYSICS LETTERS A, vol.34, 2019 (Journal Indexed in SCI)
- **Projections for model-independent limit estimates on top-quark anomalous electromagnetic couplings at the FCC-he**  
Billur A. A. , Köksal M., Gutierrez-Rodriguez A., Hernandez-Ruiz M. A.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.134, 2019 (Journal Indexed in SCI)
- **Studies on the anomalous magnetic and electric dipole moments of the tau-neutrino in pp collisions at the LHC**  
Gutierrez-Rodriguez A., KÖKSAL M., BİLLUR A. A. , Hernandez-Ruiz M. A.  
EUROPEAN PHYSICAL JOURNAL A, vol.55, 2019 (Journal Indexed in SCI)
- **Search for the electromagnetic moments of the tau lepton in photon-photon collisions at the LHeC and the FCC-he**  
Köksal M.  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.46, 2019 (Journal Indexed in SCI)
- **The  $\mu^{+}\mu^{-}$  collider to sensitivity estimates on the magnetic and electric dipole moments of the tau-lepton**  
Köksal M., Billur A. A. , Gutierrez-Rodriguez A., Hernandez-Ruiz M. A.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.34, 2019 (Journal Indexed in SCI)
- **FCC-he sensitivity estimates on the anomalous electromagnetic dipole moments of the top-quark**  
Hernandez-Ruiz M. A. , Gutierrez-Rodriguez A., Köksal M., Billur A. A.  
NUCLEAR PHYSICS B, vol.941, pp.646-664, 2019 (Journal Indexed in SCI)
- **Model-independent sensibility studies for the anomalous dipole moments of the  $\nu(\tau)$  at the CLIC based  $e^{+}e^{-}$  and gamma  $e^{-}$  colliders**  
Billur A. A. , Köksal M., Gutierrez-Rodriguez A., Hernandez-Ruiz M. A.  
PHYSICAL REVIEW D, vol.98, 2018 (Journal Indexed in SCI)
- **Analysis of the anomalous electromagnetic moments of the tau lepton in gamma p collisions at the LHC**  
Köksal 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)
- **Model-independent sensitivity estimates for the electromagnetic dipole moments of the tau-lepton at the CLIC**  
Köksal M., Billur A. A. , Gutierrez-Rodriguez A., Hernandez-Ruiz M. A.  
PHYSICAL REVIEW D, vol.98, 2018 (Journal Indexed in SCI)
- **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. , Köksal M.  
NUCLEAR PHYSICS B, vol.923, pp.475-490, 2017 (Journal Indexed in SCI)

- **Improved sensitivity on the electromagnetic dipole moments of the top quark in gamma gamma, gamma gamma\* and gamma\*gamma\* collisions at the CLIC**  
 Billur A. A. , Koksals M., Gutierrez-Rodriguez A.  
 PHYSICAL REVIEW D, vol.96, 2017 (Journal Indexed in SCI)
- **Bounds on the Electromagnetic Dipole Moments through the Single Top Production at the CLIC**  
 Koksals M., Billur A. A. , Gutierrez-Rodriguez A.  
 ADVANCES IN HIGH ENERGY PHYSICS, 2017 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **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)
- **Search for Anomalous Quartic ZZ gamma gamma Couplings in Photon-Photon Collisions**  
 Koksals M., Ari V., Senol A.  
 ADVANCES IN HIGH ENERGY PHYSICS, 2016 (Journal Indexed in SCI)
- **Search for anomalous quartic WWZ gamma couplings at the future linear e(+)e(-) collider**  
 Koksals M., Senol A.  
 INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.30, 2015 (Journal Indexed in SCI)
- **Improved bounds on the dipole moments of the tau neutrino from high-energy gamma\*e(-) and gamma\*gamma\* collisions at the ILC and CLIC**  
 Gutierrez-Rodriguez A., Koksals M., Billur A. A.  
 PHYSICAL REVIEW D, vol.91, 2015 (Journal Indexed in SCI)
- **Anomalous quartic ZZ gamma gamma couplings at the CLIC**  
 Koksals M.  
 EUROPEAN PHYSICAL JOURNAL PLUS, vol.130, 2015 (Journal Indexed in SCI)
- **Probe of anomalous quartic WWZ gamma couplings in photon-photon collisions**  
 Senol A., Koksals M.  
 JOURNAL OF HIGH ENERGY PHYSICS, 2015 (Journal Indexed in SCI)
- **Analysis of anomalous quartic WWZ gamma couplings in gamma p collision at the LHC**  
 Senol A., Koksals M.  
 PHYSICS LETTERS B, vol.742, pp.143-148, 2015 (Journal Indexed in SCI)
- **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, 2015 (Journal Indexed in SCI)
- **Study of anomalous WW gamma gamma coupling sensitivity at the compact linear collider**  
 Koksals M.  
 MODERN PHYSICS LETTERS A, vol.29, 2014 (Journal Indexed in SCI)
- **Analysis of excited neutrinos at the CLIC**  
 Koksals M.  
 INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.29, 2014 (Journal Indexed in SCI)
- **Probe of the electromagnetic moments of the tau lepton in gamma-gamma collisions at the CLIC**  
 Billur A. A. , Koksals M.  
 PHYSICAL REVIEW D, vol.89, 2014 (Journal Indexed in SCI)
- **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)
- **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)
- **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, 2012 (Journal Indexed in SCI)

- **The Impact of Excited Neutrinos on  $\nu(\bar{\nu})\nu\bar{\nu}$  Process**  
Inan S. C. , Koksal M.  
ADVANCES IN HIGH ENERGY PHYSICS, 2012 (Journal Indexed in SCI)
- **Search for electromagnetic properties of the neutrinos at the LHC**  
Sahin I., Koksal M.  
JOURNAL OF HIGH ENERGY PHYSICS, 2011 (Journal Indexed in SCI)
- **The effects of the magnetic field and dielectric screening on the diamagnetic susceptibility of a donor in a quantum well with anisotropic effective mass**  
Kilicarslan E., Sakiroglu S., Koksal M., Sari H., Sokmen I.  
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, vol.42, pp.1531-1535, 2010 (Journal Indexed in SCI)
- **Magnetic-field effect on the diamagnetic susceptibility of hydrogenic impurities in quantum well-wires**  
Koksal M., Kilicarslan E., Sari H., Sokmen I.  
PHYSICA B-CONDENSED MATTER, vol.404, pp.3850-3854, 2009 (Journal Indexed in SCI)
- **Photoionization cross-section and binding energy of donor impurities in GaAs, Ge and Si quantum wires with infinite barriers**  
Koksal M., Kasapoglu E., Sari H., Sokmen I.  
SUPERLATTICES AND MICROSTRUCTURES, vol.46, pp.507-512, 2009 (Journal Indexed in SCI)

## Articles Published in Other Journals

- **Probing the Anomalous  $\gamma\gamma$  Couplings in  $e^+e^-$  Collisions at the LHC**  
Köksal M.  
Cumhuriyet Science Journal, vol.37, pp.32-38, 2016 (National Refereed University Journal)
- **Nötrinin Elektromagnetik Özellikleri**  
KÖKSAL M., ŞAHİN İ.  
Karaelmas Science and Engineering Journal, vol.1, pp.15-19, 2011 (Other Refereed National Journals)

## Refereed Congress / Symposium Publications in Proceedings

- **Sensitivity on the electromagnetic dipole moments of the tau-lepton at the CLIC**  
hernandezruiz M., Gutierrezrodriguez A., BİLLUR A. A. , KÖKSAL M.  
15th international workshop on Tau Lepton Physics, 24 - 28 Eylül 2018
- **Limits on the anomalous magnetic and electric dipole moments of the  $\tau$ -neutrino in pp collisions at the LHC**  
Gutierrezrodriguez A., KÖKSAL M., BİLLUR A. A. , hernandezruiz M.  
the 15th International Workshop on Tau Lepton Physics, 24 - 28 Eylül 2018
- **Probing the dipole moments of the top quark at high energy photon-photon collisions at the CLIC**  
BİLLUR A. A. , KÖKSAL M., Gutierrezrodriguez A.  
Türk fizik Derneği 33. Uluslararası Fizik Kongresi, 6 - 10 Eylül 2017
- **Probing The Anomalous Electromagnetic Moments Of The Tau Lepton In  $e^+e^-$  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 Eylül 2017
- **Search for anomalous  $\tau\gamma\gamma$  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 Mayıs 2017
- **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 Mayıs 2017
- **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 Mayıs 2017

- **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 Mayıs 2017

- **Search for the electromagnetic dipole moments of the top quark at the CLIC**

KÖKSAL M., BİLLUR A. A. , Gutierrezrodriguez A.

3RD international conference on engineering and natural sciences, 3 - 07 Mayıs 2017

- **Probing the Anomalous Quartic ZZGG Couplings in the Future Linear Colliders**

KÖKSAL M., ARIV., SENOL A.

IX. INTERNATIONAL WORKSHOP ON NUCLEAR STRUCTURE PROPERTIES, 1 - 03 Eylül 2016

- **Probing the dipole moments of the tau neutrino at high energy  $g e$  and  $g g$  collisions ILC and CLIC**

Alejandro G. R. , KÖKSAL M., BİLLUR A. A.

European Physical Society Conference on High Energy Physics 2015, 22 - 29 Temmuz 2015

- **The polarizability and the photoionization cross-section under the external fields for donor impurities in quantum well-wire**

Köksal M., Kasapoglu E., Sari H., Sokmen I.

International Conference on Superlattices, Nano-Structures and Nano-Devices, İstanbul, Turkey, 30 Temmuz - 04 Ağustos 2006, vol.4, pp.332-333

## Citations

Total Citations (WOS):293

h-index (WOS):10