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Personal Information

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Education Information

Doctorate, Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, Turkey 2005 - 2011

Post Graduate, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, Turkey 2003 - 2005

Under Graduate, Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, Turkey 1997 - 2002

Dissertations

Doctorate, Gluon kutuplanmasının üst kuark son durumlarıyla incelenmesi, Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2011

Post Graduate, CLIC'DE TOP KUARK ÜRETİMİNİN SİMÜLASYON PROGRAM PAKETLERİNİN YARDIMIYLA İNCELENMESİ, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2005

Academic Titles / Tasks

Associate Professor, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2015 - Continues

Assistant Professor, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2011 - 2014

Research Assistant, Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2006 - 2011

Research Assistant, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2003 - 2006

Courses

Fizikte Grup Teori, Doctorate, 2019 - 2020

Fizik II, Under Graduate, 2018 - 2019

Mühendisler için Sayısal Yöntemler, Under Graduate, 2018 - 2019

Fizikte Grup Teorisi, Doctorate, 2019 - 2020

Genel Fizik II, Under Graduate, 2018 - 2019

Elektromanyetik Teo., Under Graduate, 2018 - 2019

Genel Fizik I, Under Graduate, 2019 - 2020

Kuantum Alan Teorisi, Doctorate, 2019 - 2020

Genel Fizik II, Under Graduate, 2018 - 2019

Genel Fizik, Under Graduate, 2018 - 2019

Elektromanyetik Teori ve Optik, Post Graduate, 2017 - 2018

Uzmanlık Alan Dersi, Post Graduate, 2018 - 2019

Fizik - II, Under Graduate, 2017 - 2018

Tez Çalışması, Post Graduate, 2018 - 2019

Genel Fizik - I, Under Graduate, 2018 - 2019

Elektromanyetik Teo., Under Graduate, 2017 - 2018

Fizik - II, Under Graduate, 2017 - 2018

Genel Fizik II, Under Graduate, 2016 - 2017
Bitirme Tezi, Under Graduate, 2017 - 2018
Genel Fizik II, Under Graduate, 2016 - 2017
Genel Fizik I, Under Graduate, 2016 - 2017
Genel Fizik I, Under Graduate, 2016 - 2017
Modern Fizik, Under Graduate, 2016 - 2017
Genel Fizik I, Under Graduate, 2016 - 2017
Genel Fizik - II, Under Graduate, 2015 - 2016
Genel Görelilik Teorisi-I, Post Graduate, 2015 - 2016
Genel Görelilik Teorisi II, Post Graduate, 2014 - 2015
Nükleer Fizik, Under Graduate, 2014 - 2015
Fizikte Matematiksel Yapılar-I, Post Graduate, 2015 - 2016
Seminer Dersi, Post Graduate, 2015 - 2016
Nükleer Fizik, Under Graduate, 2014 - 2015
Modern Fizik, Under Graduate, 2014 - 2015
Medikal Fizik, Under Graduate, 2013 - 2014
Fizik I, Under Graduate, 2012 - 2013
Fizik Lab . Vi(Atom Ve Mol., Under Graduate, 2011 - 2012
Temel Fizik, Associate Degree, 2011 - 2012

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

- I. **Sensitivity measuring expected on the electromagnetic anomalous couplings in the $t(\bar{t})$ over-bar gamma vertex at the FCC-he**
KÖKSAL M., BİLLUR A. A. , Gutierrez-Rodriguez A., Hernandez-Ruiz M. A.
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.35, 2020 (Journal Indexed in SCI)
- II. **Model independent study for the anomalous quartic WW gamma gamma couplings at future electron-proton colliders**
Ari V., Gurkanli E., BİLLUR A. A. , KÖKSAL M.
NUCLEAR PHYSICS B, vol.957, 2020 (Journal Indexed in SCI)
- III. **Model independent study for the anomalous W+W- gamma couplings at the future lepton-hadron colliders**
Spor S., BİLLUR A. A. , KÖKSAL M.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.135, 2020 (Journal Indexed in SCI)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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. , Koksalsal M., Gutierrez-Rodriguez A., Hernandez-Ruiz M. A.
PHYSICAL REVIEW D, vol.98, 2018 (Journal Indexed in SCI)

- IX. **Analysis of the anomalous electromagnetic moments of the tau lepton in gamma p collisions at the LHC**
Koksalsal 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)
- X. **Model-independent sensitivity estimates for the electromagnetic dipole moments of the tau-lepton at the CLIC**
Koksalsal M., Billur A. A. , Gutierrez-Rodriguez A., Hernandez-Ruiz M. A.
PHYSICAL REVIEW D, vol.98, 2018 (Journal Indexed in SCI)
- XI. **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. , Koksalsal M.
NUCLEAR PHYSICS B, vol.923, pp.475-490, 2017 (Journal Indexed in SCI)
- XII. **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. , Koksalsal M., Gutierrez-Rodriguez A.
PHYSICAL REVIEW D, vol.96, 2017 (Journal Indexed in SCI)
- XIII. **Bounds on the Electromagnetic Dipole Moments through the Single Top Production at the CLIC**
Koksalsal M., Billur A. A. , Gutierrez-Rodriguez A.
ADVANCES IN HIGH ENERGY PHYSICS, 2017 (Journal Indexed in SCI)
- XIV. **Anomalous WW gamma couplings with beam polarization at the Compact Linear Collider**
Ari V., Billur A. A. , Inan S. C. , Koksalsal M.
NUCLEAR PHYSICS B, vol.906, pp.211-230, 2016 (Journal Indexed in SCI)
- XV. **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., Koksalsal M., Billur A. A.
PHYSICAL REVIEW D, vol.91, 2015 (Journal Indexed in SCI)
- XVI. **Graviton production through photon-quark scattering at the LHC**
Sahin I., Koksalsal 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)
- XVII. **Probe of the electromagnetic moments of the tau lepton in gamma-gamma collisions at the CLIC**
Billur A. A. , Koksalsal M.
PHYSICAL REVIEW D, vol.89, 2014 (Journal Indexed in SCI)
- XVIII. **Probe of extra dimensions in gamma q -> gamma q at the LHC**
Sahin I., Billur A. A. , Inan S. C. , Sahin B., Koksalsal M., Tektas P., Alici E., Yildirim R.
PHYSICAL REVIEW D, vol.88, 2013 (Journal Indexed in SCI)
- XIX. **Anomalous top-gluon couplings in gamma p collision at the CERN-LHC**
Billur A. A.
EPL, vol.101, 2013 (Journal Indexed in SCI)
- XX. **Anomalous Wtb couplings in gamma p collision at the LHC**
Sahin B., Billur A. A.
PHYSICAL REVIEW D, vol.86, 2012 (Journal Indexed in SCI)
- XXI. **Search for excited electrons through gamma gamma scattering**
Ozansoy A., Billur A. A.
PHYSICAL REVIEW D, vol.86, 2012 (Journal Indexed in SCI)
- XXII. **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, 2011 (Journal Indexed in SCI)
- XXIII. **Anomalous WW gamma couplings in gamma p collision at the LHC**

Sahin I., Billur A. A.

PHYSICAL REVIEW D, vol.83, 2011 (Journal Indexed in SCI)

XXIV. Possibility of determining tau lepton electromagnetic moments in gamma gamma -> tau(+)tau(-) process at the CERN-LHC

Atag S., Billur A. A.

JOURNAL OF HIGH ENERGY PHYSICS, 2010 (Journal Indexed in SCI)

XXV. Possibility of determining gluon polarization via polarized top pairs in gamma-proton scattering

Atag S., Billur A. A.

PHYSICS LETTERS B, vol.676, pp.155-160, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

I. 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)

II. Kuantum Mekaniksel Sıra Değişirme Bağntılarının Bir Optik Deneyi Yoluyla Öğretimi

BİLLUR A. A. , AKKOYUN S., BURSAL M.

Marmara Üniversitesi Fen Bilimleri Dergisi, vol.26, pp.1-12, 2014 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

I. 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.

15th International Workshop on Tau Lepton Physics, 24 - 28 September 2018

II. 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 September 2017

III. 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

IV. 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

V. 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

VI. 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

VII. 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

VIII. 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

- IX. **Search for the electromagnetic dipole moments of the top quark at thecl**
KÖKSAL M., BİLLUR A. A. , Gutierrezrodriguez A.
3RD international conference on engineering and natural sciences, 3 - 07 May 2017
- X. **Probing the dipole moments of the tau neutrino at high energy e and collisions ILC and CLIC**
rodriguez alejandro g., KÖKSAL M., BİLLUR A. A.
European Physical Society HEP 2015, 22 - 29 July 2015, vol.52
- XI. **Probing the dipole moments of the tau neutrino at high energy g e and gg collisions ILC and CLIC**
Alejandro G. R. , KÖKSAL M., BİLLUR A. A.
European Physical Society Conference on High Energy Physics 2015, 22 - 29 July 2015
- XII. **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
- XIII. **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

Citations

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