

Prof. BERİN BELMA ŞİRVANLI

Personal Information

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Education Information

Doctorate, Gazi University, Fen Fakültesi, Fizik, Turkey 1995 - 2000

Post Graduate, Gazi University, Fen Fakültesi, Fizik, Turkey 1991 - 1993

Under Graduate, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, Turkey 1985 - 1989

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Standart model'de Radiatif Bu->taunutaugamma Bozunumu, Gazi University, Fen Fakültesi, Fizik, 2000

Post Graduate, 1/N Açılımı, Gazi University, Fen Fakültesi, Fizik, 1993

Research Areas

Nuclear physics, Basic Particles and Areas

Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Fizik, 2018 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Fizik, 2010 - Continues

Associate Professor, Josef Stefan Institute,Slovenia, Josef Stefan Institute, Physics Department, 2013 - 2013

Research Assistant PhD, CERN, Physics, 2006 - 2006

Research Assistant PhD, CERN, Physics, 2004 - 2004

Professional Experience

Program Koordinatörü, Gazi University, Fen Fakültesi, 2007 - 2013

Program Koordinatörü, Gazi University, Fen Fakültesi, Fizik, 2006 - 2007

Courses

Kuantum Fiziği, Under Graduate, 2020 - 2021

Parçacık ve yüksek enerji fiziği, Under Graduate, 2020 - 2021

İLERİ KUANTUM MEKANİĞİ, Post Graduate, 2020 - 2021

Popüler Parçacık Fiziği, Under Graduate, 2020 - 2021

GENEL FİZİK I VE II, Under Graduate, 2020 - 2021

Advising Theses

ŞİRVANLI B. B. , Searching of Z bb ̅ decay in the standard model, S.Eren(Student), 2014

ŞİRVANLI B. B. , SEARCHING OF HIGGS MECHANISM AND DECAY MODES IN THE STANDARD MODEL,
H.BARLAS(Student), 2008

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

- I. **Nucleon's Axial-Vector Form Factor in the Hard-Wall AdS/QCD Model**
Mamedov S., ŞİRVANLI B. B. , Atayev I., Huseynova N.
INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, vol.56, no.6, pp.1861-1874, 2017 (Journal Indexed in SCI)
- II. **Search for $c \rightarrow u l^{(+)} l^{(-)}$ transition in charmed baryon decays**
Sirvanli B. B.
PHYSICAL REVIEW D, vol.93, no.3, 2016 (Journal Indexed in SCI)
- III. **Rare $B_s \rightarrow \gamma \nu(\nu)\overline{\nu}$ Decay in Family Nonuniversal Z' Model**
Sirvanli B. B.
ADVANCES IN HIGH ENERGY PHYSICS, vol.2015, 2015 (Journal Indexed in SCI)
- IV. **Lepton asymmetries for the $B_s \rightarrow \gamma l^{(+)} l^{(-)}$ decay in a family nonuniversal Z' model**
Sirvanli B. B.
PHYSICAL REVIEW D, vol.89, no.9, 2014 (Journal Indexed in SCI)
- V. **DOUBLE-LEPTON POLARIZATION ASYMMETRIES IN $B \rightarrow K(1) l^{(+)} l^{(-)}$ DECAY IN UNIVERSAL EXTRA DIMENSION**
Sirvanli B. B.
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.27, no.8, 2012 (Journal Indexed in SCI)
- VI. **Double-lepton polarization asymmetries and branching ratio of the $B \rightarrow \gamma l^{(+)} l^{(-)}$ transition in universal extra dimension**
Azizi K., Pak N. K. , Sirvanli B. B.
JOURNAL OF HIGH ENERGY PHYSICS, no.2, 2012 (Journal Indexed in SCI)
- VII. **Double-lepton polarization asymmetries and branching ratio in $B \rightarrow K-0^{*}(1430) l^{(+)} l^{(-)}$ transition from universal extra dimension model**
Sirvanli B. B. , Azizi K., Ipekoglu Y.
JOURNAL OF HIGH ENERGY PHYSICS, no.1, 2011 (Journal Indexed in SCI)
- VIII. **Semileptonic $\Lambda(b) \rightarrow \Lambda \nu(\nu)\overline{\nu}$ decay in the leptophobic Z' model**
Sirvanli B. B.
MODERN PHYSICS LETTERS A, vol.23, no.5, pp.347-358, 2008 (Journal Indexed in SCI)
- IX. **Double-lepton polarization asymmetries in $\Lambda(b) \rightarrow \Lambda l^{(+)} l^{(-)}$ decay in universal extra dimension model**
ALIYEV T., Savci M., Sirvanli B. B.
EUROPEAN PHYSICAL JOURNAL C, vol.52, no.2, pp.375-382, 2007 (Journal Indexed in SCI)
- X. **A general analysis of the lepton polarizations in $B_s \rightarrow \gamma l^{(+)} l^{(-)}$ decays**
Yilmaz U., Sirvanli B. B. , Turan G.
NUCLEAR PHYSICS B, vol.692, pp.249-269, 2004 (Journal Indexed in SCI)
- XI. **New physics effects in the rare $B_s \rightarrow \gamma l^{(+)} l^{(-)}$ decays with a polarized photon**
Yilmaz U., Sirvanli B. B. , Turan G.
EUROPEAN PHYSICAL JOURNAL C, vol.30, no.2, pp.197-205, 2003 (Journal Indexed in SCI)

- XII. **RARE B-s $\rightarrow \nu(\bar{\nu})\gamma$ decay beyond the standard model**
 Cakir O., Sirvanli B. B.
 ACTA PHYSICA POLONICA B, vol.34, no.5, pp.2643-2649, 2003 (Journal Indexed in SCI)
- XIII. **Rare B-s $\rightarrow \gamma \nu(\bar{\nu})$ decay with polarized photon and new physics effects**
 Sirvanli B. B. , Turan G.
 MODERN PHYSICS LETTERS A, vol.18, no.1, pp.47-56, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Sequential modelde Z yeni ayar bozonu için spin analizi**
 ŞİRVANLI B. B.
 Gazi University Journal of Science, vol.3, no.1, pp.395-399, 2015 (Other Refereed National Journals)
- II. **Search forward backward asymmetry due to the new Z gauge boson in e e collision**
 ŞİRVANLI B. B.
 Gazi University Journal of Science, vol.3, no.2, pp.27-29, 2015 (Other Refereed National Journals)
- III. **Rare B taunugamma decay and new physics effects**
 ŞİRVANLI B. B.
 Gazi University Journal of Science, vol.15, no.4, 2002 (Other Refereed National Journals)
- IV. **Radiative Bu $\rightarrow \gamma \mu \mu$ Decay in the Standart Model**
 Şirvanlı B. B. , Koru H.
 Hadronic journal, no.22, pp.467-476, 1999 (Journal Indexed in ESCI)

Books & Book Chapters

- I. **İlk dört bölüm**
 YILMAZKAYA SÜNGÜ J., KIRCA Z., ŞİRVANLI B. B. , DEMİR N.
 in: Temel Parçacıklara Giriş, Gülsen Öngüt, Editor, Nobel, Ankara, pp.1-112, 2015
- II. **Gazların kinetik teorisi**
 Şirvanlı B. B.
 in: Fen Bilimcileri ve Mühendislik için Fizik, Prof.Dr.Gülsen Öngüt, Editor, Akademi yayıncılık, Massachusetts, pp.1-945, 2009

Refereed Congress / Symposium Publications in Proceedings

- I. **The double lepton polarizations in Bs $\rightarrow \gamma \mu \mu$ decays with two Higgs doublet model**
 Şirvanlı B. B.
 3rd International Conference on computational and experimental science and engineering (ICCESEN-2016), Antalya, Turkey, 19 - 24 October 2016, vol.23, pp.234-239
- II. **Search for c $\rightarrow \mu \mu$ transition in charmed baryon decays**
 ŞİRVANLI B. B.
 Kongre, 4 - 06 August 2014
- III. **Double lepton polarization asymmetries in B K11 $\mu \mu$ decay in UED model**
 ŞİRVANLI B. B.
 kongre, 4 - 06 August 2009
- IV. **Semileptonic Lambda b Lambda $\mu \mu$ decay in the Leptophobic Zprime model**
 ŞİRVANLI B. B.
 kongre, 6 - 08 August 2007
- V. **A general analysis of the lepton polarizations in the B s $\gamma \mu \mu$ decay**

YILMAZ Ü. O. , ŞİRVANLI B. B. , TURAN G.

kongre, 7 - 09 August 2005

VI. **Examine to rare D meson decay in TAC charm Fabric**

ÇAKIR O., SULTANOV S., ŞİRVANLI B. B. , TURAN G.

kongre, Turkey, 2 - 04 August 2004

VII. **Rare B s gammal l decay and new physics effects**

ŞİRVANLI B. B.

kongre, 5 - 07 August 2002

VIII. **The radiative B s tau nu gamma meson decay in the standard model**

ŞİRVANLI B. B. , koru h.

kongre, 2 - 04 August 1999

IX. **Shifted 1 N expansion apply to deuteron**

ŞİRVANLI B. B.

kongre, 5 - 07 August 1996

Expert Reports

I. **PDOSE OSL DOZİMETRİ SİSTEMLERİNİN GELİŞTİRİLMESİ VE ÜRETİLMESİ**

Şirvanlı B. B.

KOSGEB, pp.10, Ankara, 2018

Supported Projects

Sultanov S., Şirvanlı B. B. , Project Supported by Other Official Institutions, CLIC ÇARPIŞTICISINDA DEMET DİNAMĞİNİN FİZİK ARAŞTIRMALARINA ETKİSİ, 2006 - 2008

Çakır O., Şirvanlı B. B. , Project Supported by Other Official Institutions, TÜRK HIZLANDIRICI KOMPLEKSİ, 2002 - 2005

Activities in Scientific Journals

International Journal of computational and Experimental Science and Engineering (IJCESEN), Editor, 2017 - Continues

Tasks In Event Organizations

Şirvanlı B. B. , NUPAM-Monte Carlo Applications Spring School in Nuclear and Particle Physics, Science / Art Camp or Summer School Organization, Amasya, Turkey, Mayıs 2015

Şirvanlı B. B. , ULUYEF13-II.Uludağ Yüksek Enerji Fiziği Kış Okulu-2013, Science / Art Camp or Summer School Organization, Bursa, Turkey, Şubat 2013

Şirvanlı B. B. , NUPAM-Monte Carlo Applications Spring School in Nuclear and Particle Physics, Science / Art Camp or Summer School Organization, Bitlis, Turkey, Mayıs 2012

Şirvanlı B. B. , ULUYEF12-II.Uludağ Yüksek Enerji Fiziği Kış Okulu-2012, Science / Art Camp or Summer School Organization, Bursa, Turkey, Şubat 2012

Citations

Total Citations (WOS):89

h-index (WOS):6

Scholarships

Scientific Research, Other International Organizations, 2013 - 2013

NATO, NATO, 1999 - 1999