

## **Prof.Dr. GÜRSEVİL TURAN**

### **Kişisel Bilgiler**

**E-posta:** gsevgur@metu.edu.tr  
**Web:** <https://avesis.metu.edu.tr/gsevgur>

### **Uluslararası Araştırmacı ID'leri**

ScopusID: 7003463075

Yoksis Araştırmacı ID: 163695

### **Eğitim Bilgileri**

Doktora, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, Türkiye 1989 - 1993

Yüksek Lisans, Universitetet i Oslo (University Of Oslo), Norveç 1986 - 1988

Lisans, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, Türkiye 1978 - 1984

### **Yabancı Diller**

İngilizce, C1 İleri

### **Yaptığı Tezler**

Doktora, B Meson Decays in Nonstandard perspective, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 1993

Yüksek Lisans, MIT Bag Model, Universitetet i Oslo (University Of Oslo), 1988

### **Akademik Unvanlar / Görevler**

Prof.Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 1992 - Devam Ediyor

### **Akademik İdari Deneyim**

Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 2008 - Devam Ediyor

### **Yönetilen Tezler**

TURAN G., Nadir ışınaklı b-meson bozunumlarında ortaya çıkan parçacıkların polarizasyon özellikleri, Doktora, Ü.Oktay(Öğrenci), 2005

TURAN G., The polarization properties of the final state particles in the rare radiative B-meson decays, Doktora, Ü.OKTAY(Öğrenci), 2005

TURAN G., The standard model analysis of the CP violation in the inclusive semileptonic B-meson decays, Yüksek Lisans, Z.DENİZ(Öğrenci), 2004

TURAN G., The inclusive semileptonic decays of the B-meson in a CP softly broken two higgs doublet model, Yüksek

Lisans, H.ACAR(Öğrenci), 2004

TURAN G., İnklusif b-meson bozunumlarındaki cp bozulmasının standart model analizi., Yüksek Lisans, Z.Deniz(Öğrenci), 2004

TURAN G., The Inclusive "B to X Tau Tau" decay in the two higgs doublet model, Yüksek Lisans, G.ERKOL(Öğrenci), 2001

## **SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler**

- I. **Quasi-fission and fusion-fission reactions in Ca-48+Pb-208 collisions at E-c.m.=190 MeV**  
Yilmaz O., Turan G., Yilmaz B.  
EUROPEAN PHYSICAL JOURNAL A, cilt.56, 2020 (SCI-Expanded)
- II. **Multinucleon transfer in central collisions of U-238+U-238**  
Ayik S., YILMAZ B., YILMAZ TÜZÜN Ö., Umar A. S., TURAN G.  
PHYSICAL REVIEW C, cilt.96, sa.2, 2017 (SCI-Expanded)
- III. **Quantal description of nucleon exchange in a stochastic mean-field approach**  
Ayik S., YILMAZ TÜZÜN Ö., YILMAZ B., Umar A. S., GÖKALP A., TURAN G., Lacroix D.  
PHYSICAL REVIEW C, cilt.91, sa.5, 2015 (SCI-Expanded)
- IV. **QCD sum rules study of meson-baryon sigma terms**  
Erkol G., Oka M., Turan G.  
PHYSICAL REVIEW D, cilt.78, sa.9, 2008 (SCI-Expanded)
- V. **General analysis of the rare B-c -> D-s\*l(+)\*l(-) decay beyond the standard model**  
Yilmaz U. O., Turan G.  
EUROPEAN PHYSICAL JOURNAL C, cilt.51, sa.1, ss.63-74, 2007 (SCI-Expanded)
- VI. **The exclusive Lambda(b)->Lambda l(+)\*l(-) decay with the fourth generation**  
Turan G.  
JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2005 (SCI-Expanded)
- VII. **CP violation in polarized B -> pi l(+)\*l(-) and B -> pl(+)\*l(-) decays**  
Erkol G., Wagenaar J., Turan G.  
EUROPEAN PHYSICAL JOURNAL C, cilt.41, sa.2, ss.189-198, 2005 (SCI-Expanded)
- VIII. **The exclusive Lambda(b) Lambda l(+)\*l(-) decay in the general two Higgs doublet model**  
Turan G.  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, cilt.31, sa.5, ss.525-537, 2005 (SCI-Expanded)
- IX. **The effects of nonstandard Z couplings on the lepton polarizations in B-s ge+e-decays**  
Turan G.  
MODERN PHYSICS LETTERS A, cilt.20, sa.7, ss.533-542, 2005 (SCI-Expanded)
- X. **A general analysis of the lepton polarizations in B-s ->gamma l(+)\*l(-) decays**  
Yilmaz U., Sirvanli B., Turan G.  
NUCLEAR PHYSICS B, cilt.692, ss.249-269, 2004 (SCI-Expanded)
- XI. **B -> X(d)l(+)\*l(-) in a CP softly broken two Higgs doublet model**  
Acar H., Turan G.  
ACTA PHYSICA POLONICA B, cilt.35, sa.2, ss.687-703, 2004 (SCI-Expanded)
- XII. **Standard model CP violation in B -> X(d)l(+)\*l(-) decays**  
Eygi Z., Turan G.  
MODERN PHYSICS LETTERS A, cilt.18, sa.38, ss.2735-2747, 2003 (SCI-Expanded)
- XIII. **New physics effects in the rare B-s -> gamma l(+)\*l(-) decays with a polarized photon**  
Yilmaz U., Sirvanli B., Turan G.  
EUROPEAN PHYSICAL JOURNAL C, cilt.30, sa.2, ss.197-205, 2003 (SCI-Expanded)
- XIV. **The analysis of B-d ->(eta, eta')l(+)\*l(-) decays in the standard model**  
Erkol G., Turan G.  
EUROPEAN PHYSICAL JOURNAL C, cilt.28, sa.2, ss.243-248, 2003 (SCI-Expanded)
- XV. **Rare B-s ->gamma nu(nu)over-bar decay with polarized photon and new physics effects**

- Sirvanli B., Turan G.  
MODERN PHYSICS LETTERS A, cilt.18, sa.1, ss.47-56, 2003 (SCI-Expanded)
- XVI. **CP violation in the radiative dileptonic B-meson decays**  
Erkol G., Turan G.  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, cilt.28, sa.12, ss.2983-2991, 2002 (SCI-Expanded)
- XVII. **The exclusive  $B_s \rightarrow \phi l(+)l(-)$  decay in the two Higgs doublet models**  
Erkol G., Turan G.  
EUROPEAN PHYSICAL JOURNAL C, cilt.25, sa.4, ss.575-581, 2002 (SCI-Expanded)
- XVIII.  **$B_s \rightarrow \tau(+) \tau(-)$  decay in the general two Higgs doublet model**  
Iltan E., Turan G.  
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2002 (SCI-Expanded)
- XIX. **The exclusive  $B \rightarrow (K, K^*)l(+)l(-)$  decays in a CP softly broken two Higgs doublet model**  
Erkol G., Turan G.  
NUCLEAR PHYSICS B, cilt.635, ss.286-308, 2002 (SCI-Expanded)
- XX.  **$B_s \rightarrow \tau(+) \tau(-) \gamma$  decay in the general two Higgs doublet model including the neutral Higgs boson effects**  
Erkol G., Turan G.  
PHYSICAL REVIEW D, cilt.65, sa.9, 2002 (SCI-Expanded)
- XXI. **Radiative dileptonic decays of B-meson in the general two Higgs Doublet Model**  
Erkol G., Turan G.  
ACTA PHYSICA POLONICA B, cilt.33, sa.5, ss.1285-1311, 2002 (SCI-Expanded)
- XXII.  **$B \rightarrow K^* \tau(+) \tau(-)$  decay in the general two Higgs doublet model including the neutral Higgs boson effects**  
Iltan E., Turan G., Turan İ.  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, cilt.28, sa.2, ss.307-320, 2002 (SCI-Expanded)
- XXIII. **The exclusive  $B \rightarrow \pi l(+)l(-)$  and  $B \rightarrow \rho l(+)l(-)$  decays in the general two Higgs doublet model**  
Erkol G., Turan G.  
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2002 (SCI-Expanded)
- XXIV.  **$b \rightarrow s \tau(+) \tau(-)$  decay in the two Higgs doublet model with flavor changing neutral currents**  
Iltan E., Turan G.  
PHYSICAL REVIEW D, cilt.63, sa.11, 2001 (SCI-Expanded)
- XXV. **Rare radiative  $B_s \rightarrow \tau(+) \tau(-) \gamma$  decay in the two Higgs doublet model**  
Iltan E., Turan G.  
PHYSICAL REVIEW D, cilt.61, sa.3, 2000 (SCI-Expanded)

## Metrikler

Yayın: 25  
Atıf (WoS): 246  
Atıf (Scopus): 174  
H-İndeks (WoS): 11  
H-İndeks (Scopus): 8

## Akademi Dışı Deneyim

METU  
METU