

# **Prof. GÜRSEVİL TURAN**

## **Personal Information**

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## **International Researcher IDs**

ScopusID: 7003463075

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## **Education Information**

Doctorate, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 1989 - 1993

Postgraduate, Universitetet i Oslo (University Of Oslo), Norway 1986 - 1988

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 1978 - 1984

## **Foreign Languages**

English, C1 Advanced

## **Dissertations**

Doctorate, B Meson Decays in Nonstandard perspective, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1993

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

## **Academic Titles / Tasks**

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1992 - Continues

## **Academic and Administrative Experience**

Middle East Technical University, Graduate School of Natural and Applied Sciences, 2008 - Continues

## **Advising Theses**

TURAN G., The polarization properties of the final state particles in the rare radiative b-meson decays, Doctorate, Ü.Oktay(Student), 2005

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

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

- TURAN G., The inclusive semileptonic decays of the B-meson in a CP softly broken two higgs doublet model, Postgraduate, H.ACAR(Student), 2004
- TURAN G., The standart model analysis of the cp violation in the inclusive semileptonic b-meson decays, Postgraduate, Z.Deniz(Student), 2004
- TURAN G., The Inclusive "B to X Tau Tau" decay in the two higgs doublet model, Postgraduate, G.ERKOL(Student), 2001

### Published journal articles indexed by SCI, SSCI, and AHCI

- 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, vol.56, 2020 (SCI-Expanded)
- II. **M 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, vol.96, no.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, vol.91, no.5, 2015 (SCI-Expanded)
- IV. **QCD sum rules study of meson-baryon sigma terms**  
Erkol G., Oka M., Turan G.  
PHYSICAL REVIEW D, vol.78, no.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, vol.51, no.1, pp.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, no.5, 2005 (SCI-Expanded)
- VII. **CP violation in polarized B -> pi l(+)\*l(-) and B -> p l(+)\*l(-) decays**  
Erkol G., Wagenaar J., Turan G.  
EUROPEAN PHYSICAL JOURNAL C, vol.41, no.2, pp.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, vol.31, no.5, pp.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, vol.20, no.7, pp.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, vol.692, pp.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, vol.35, no.2, pp.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, vol.18, no.38, pp.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, vol.30, no.2, pp.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, vol.28, no.2, pp.243-248, 2003 (SCI-Expanded)

- XV. **Rare  $B_s \rightarrow \gamma \nu(\bar{\nu})$  decay with polarized photon and new physics effects**  
 Sirvanli B., Turan G.  
 MODERN PHYSICS LETTERS A, vol.18, no.1, pp.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, vol.28, no.12, pp.2983-2991, 2002 (SCI-Expanded)
- XVII. **The exclusive  $B_s \rightarrow \phi l(+)\bar{l}(-)$  decay in the two Higgs doublet models**  
 Erkol G., Turan G.  
 EUROPEAN PHYSICAL JOURNAL C, vol.25, no.4, pp.575-581, 2002 (SCI-Expanded)
- XVIII.  **$B_s \rightarrow \tau(+) \tau(-)$  decay in the general two Higgs doublet model**  
 Ilhan E., Turan G.  
 JOURNAL OF HIGH ENERGY PHYSICS, no.11, 2002 (SCI-Expanded)
- XIX. **The exclusive  $B \rightarrow (K, K^*)l(+)\bar{l}(-)$  decays in a CP softly broken two Higgs doublet model**  
 Erkol G., Turan G.  
 NUCLEAR PHYSICS B, vol.635, pp.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, vol.65, no.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, vol.33, no.5, pp.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**  
 Ilhan E., Turan G., Turan İ.  
 JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.28, no.2, pp.307-320, 2002 (SCI-Expanded)
- XXIII. **The exclusive  $B \rightarrow \pi l(+)\bar{l}(-)$  and  $B \rightarrow \rho l(+)\bar{l}(-)$  decays in the general two Higgs doublet model**  
 Erkol G., Turan G.  
 JOURNAL OF HIGH ENERGY PHYSICS, no.2, 2002 (SCI-Expanded)
- XXIV.  **$b \rightarrow s \tau(+) \tau(-)$  decay in the two Higgs doublet model with flavor changing neutral currents**  
 Ilhan E., Turan G.  
 PHYSICAL REVIEW D, vol.63, no.11, 2001 (SCI-Expanded)
- XXV. **Rare radiative  $B_s \rightarrow \tau(+) \tau(-) \gamma$  decay in the two Higgs doublet model**  
 Ilhan E., Turan G.  
 PHYSICAL REVIEW D, vol.61, no.3, 2000 (SCI-Expanded)

## Metrics

Publication: 25  
 Citation (WoS): 246  
 Citation (Scopus): 174  
 H-Index (WoS): 11  
 H-Index (Scopus): 8

## Non Academic Experience

METU  
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