

CONTACT INFORMATION	Department of Physics Middle East Technical University Üniversiteler Mahallesi 06800 Cankaya Ankara TURKEY	Voice: +90(312) 210 5083 Fax: +90(312) 210-5099 E-mail: ituran@metu.edu.tr
BIRTH CITIZENSHIP GENDER MARITAL STATUS	January 1, 1975, Turkey Turkish Male Married with a child	
RESEARCH BACKGROUND	Theoretical High Energy Physics, Physics Beyond the Standard Model, Collider Physics, Supersymmetry, Extra Dimensions, Flavor physics, New Physics in Luminosity Frontiers, Computation in Particle Physics	
EDUCATION	<p>Middle East Technical University (METU), Ankara, TURKEY</p> <p>Ph.D., Department of Physics (CGPA: 3.94/4.00, Year Conferred: Aug 2003)</p> <ul style="list-style-type: none"> • Thesis Topic: <i>Flavor Changing Neutral Currents in the Framework of the Two-Higgs-Doublet Model</i> • Advisor: Professor Erhan Onur İltan • Area of Study: Theoretical High Energy Physics <p>M.Sc., Department of Physics (CGPA: 3.75/4.00, Year Conferred: Jan 1999)</p> <ul style="list-style-type: none"> • Thesis Topic: <i>The Fadeev-Jackiw Quantization of the U(1) Gauged SU(2) Wess-Zumino-Witten Model</i> • Advisor: Assoc. Prof. Yusuf İpekoğlu • Co-Advisor: Professor Namık Kemal Pak • Area of Study: Theoretical High Energy Physics <p>B.Sc., Department of Physics (CGPA: 3.72/4.00, Year Conferred: Jan 1997)</p> <ul style="list-style-type: none"> • Area of Study: With High Honors in Advanced Physics Program 	
EDITOR/REFEREE	Editor of the Scientific World Journal, Referee for Physical Review Letters since 2006 and Physical Review D since 2004, National Science Foundation (NSF) proposal reviewer.	
EMPLOYMENT & ACADEMIC EXPERIENCE	<p>METU, Ankara, TURKEY <i>Full Professor</i></p> <p>METU, Ankara, TURKEY <i>Associate Professor</i></p> <p>METU, Ankara, TURKEY <i>Assistant Professor</i></p> <p>Carleton University, Ottawa, ON CANADA <i>Research Associate</i></p> <p>Concordia University, Montreal, QC CANADA <i>Research Associate</i> <i>Postdoctoral Fellow</i></p>	<p>Jan 2018 to present</p> <p>Oct 2012 to Dec 2017</p> <p>Dec 2011 to Oct 2012</p> <p>Sep 2009 to Nov 2011</p> <p>Apr 2006 to Sep 2009 Apr 2004 to Apr 2006</p>

The College of William and Mary, Williamsburg, VA USA
Postdoctoral Fellow **Sep 2003 to Apr 2004**

Israel Institute of Technology (TECHNION), Haifa, ISRAEL
Invited Researcher **May 2003 to Jun 2003**

Basak Insurance Company, Ankara, TURKEY
Part time system analyst **Dec 1992 to Nov 1998**

HONORS & AWARDS

- My PhD student Selçuk Bilmiş got the Prof.Dr. Güngör Gündüz Thesis Award in 2017.
- My PhD student Selçuk Bilmiş got METU Graduate Thesis Award in 2017.
- Turkish Academy of Sciences, 2013 GEBIP Award, June 2014
- 2014 The Science Academy Young Scientist Award (BAGEP), February 2014
- 2013 FABED Eser Tumen Excellence in Research Award, July 2013
- 2012 Prof. Dr. Mustafa Parlak Foundation Research Incentive Award, December 2012
- 2012 Prof. Baki Komsuoglu Award in Fundamental Science, given by Kocaeli University, April 2, 2012
- The Scientific and Technical Research Council of Turkey (TUBITAK), Ankara, TURKEY
 - NATO-B1 Postdoctoral fellowship program* **Sep 2003 to Apr 2004**
 - Covering round-trip, health insurance and monthly stipend
 - Department of Physics, METU, Ankara, TURKEY
 - Research and Teaching Assistantship* **May 1997 to Aug 2003**
 - Covering full tuition and including a monthly salary
 - The Scientific and Technical Research Council of Turkey (TUBITAK), Ankara, TURKEY
 - TUBITAK Undergraduate Scholarship* **Sep 1994 to Jan 1997**
 - Monthly stipend
 - Finans Vakfi, Istanbul, TURKEY
 - Fellowship by non-Profit Organization* **Sep 1994 to Jan 1997**
 - Monthly stipend

TEACHING EXPERIENCE

- As a faculty member in the Department of Physics at METU, I have taught the following courses since Feb 2012:
 - Analytical Mechanics (502) (20151,20152,20161,20162,20171,20172,20181,20182)
 - Particle Physics I (407) (20121,20131,20141,20151,20161,20171,20181)
 - Particle Physics II (408) (20122,20132,20142,20152,20162,20172,20182)
 - Classical Mechanics (311) (20123,20131,20132,20141,20142)
 - Freshmen Physics I (105) (20121)
 - Freshmen Physics II (106) (20112,20113,20121,20122,20173)
 - Freshmen Physics II (112) (20173)

- Member of Ankara Advanced Physics School (AIFO) between 2012-2013. The aim of the school is to train qualified high school physics teachers so that they can prepare students for the international physics olympiads. The school organizes at least three-four intense camps each year.
- During my graduate years at METU (1997-2003), I have TA'ed the following courses (including preparing and grading HWs and exams, doing recitation hours, as well as teaching some of the course material)

Graduate Level

- Relativistic Quantum Mechanics (1 Semester)
- Non-Relativistic Quantum Mechanics (3 Semesters)
- Analytical Mechanics (6 Semesters)

Undergraduate Level

- Quantum Mechanics, (2 Semesters)
- Classical Mechanics (8 Semesters)
- Mathematical Methods in Physics I (2 Semesters)
- General Physics I and II (1 Semester)
- General Physics Laboratory (3 Semesters)

CURRENT STUDENTS

I currently have one PhD and six Master students at METU.

Doctorate Student at METU

- Altuğ Elpe, “*Probing Signs of New Physics at Low Energies: The Neutrino Case*”, METU, 2019-present

Master Students at METU

- Cemal Dinç, “*Unparticles at ILC*”, METU, 2016-present
- Kağan Şimşek, “*Exploring the Flavor Physics Through Extra Dimensions*”, METU, 2017-present
- Esra Akyumuk, “*Constraining Vector Portal Through Neutrino Magnetic Moment*”, METU, 2018-present
- Deniz Akyürek, “*Possible Dark Photon Contribution to Muon Decay*”, METU, 2018-present
- N. Nevra Akalın, “*Dark Photon Effects in Casimir force Between Two Parallel Plates*”, METU, 2019-present
- Enfal Sartaş, “*Mass Generation in Dark Sector*”, METU, 2019-present

PAST STUDENTS

As of March 30, 2019, one PhD and three master students have defended their thesis studies.

Doctorate Students at METU

- Dr. Selçuk Bilmiş, “*Searching New Physics Through Electron-Neutrino Scattering*”, METU, 2012-2016 (Research Assistant in Physics department at METU)

Master Students at METU

- Yiğit Kıvanç Cingiloğlu, “*Hidden Sector Through Dark Higgs: a Nonminimal Extension*”, METU, 2016-2018 (Accepted as PhD student in physics at Concordia University, Canada)
- Isinsu Karaman, “*Spontaneous Symmetry Breaking and Higgs Mechanism*”, METU, 2014-2017 (PhD student in physics at METU)
- Soner Albayrak, “*A Lorentz Violating Theory: Its Nonminimal Extension in the Photon Sector*”, METU, 2014-2016 (PhD student in physics at Yale University)

During my stay at Concordia University (April 2004 - September 2009) I have co-supervised on a regular basis the following undergraduate and graduate students of Prof. M. Frank on both high energy and computational physics.

Doctorate Student at Concordia University

- Alper Hayreter, “*The Higgs Sector of Left-Right Symmetric Model*”, Concordia University, 2008 - 2012
- Behrang Sadeghi, “*SUSY at the LHC*”, 2006 - 2008

Master Student at Concordia University

- Lorric Zeigler, “*The Casimir Force in Randal Sundrum Models*”, Universite de Geneve, 2006 - 2007

NSERC Summer Student at Concordia University

- Sylvain Bellemarre, “*Using HEP package softwares for evaluating MSSM processes*”, Concordia University, 2007

TALKS & CONFERENCES

- An invited talk on “Unparticle at LHC” in the First METU-IPM Joint Conference on LHC Physics, ICTP-ECAR, Urla, Izmir, 29 September-3 October 2015.
- An invited talk on “Constraints on Dark Photon via Neutrino-Electron Scattering” in IPM school and conference on Particle Physics (IPP15): Neutrino physics, dark matter and B-physics, IPM, Tehran, Iran, 22-27 September 2015.
- An invited talk on “Dark Photon and Neutrino-Electron Scattering Experiments” in YEFIST 2015 in Mimar Sinan Guzel Sanatlar Universitesi, Bomonti Yerleskesi, Istanbul, 18-19 April 2015.
- An Invited talk on “Constraints on Dark Photon” in Ankara YEF Gunleri 2015, METU, Ankara, 12-14 February 2015.
- An invited talk on “Signals of the $U(1)'$ -MSSM” in the workshop on high energy physics and its applications (IZYEF 2013), Urla, Izmir, 19-23 June 2013.
- Two invited lectures on “Introduction to SUSY” in the second international workshop on Recent Developments in High Energy Physics at the Northern Cyprus Campus of Middle East Technical University, Guzelyurt, Northern Cyprus, 28 May-1 June 2013.
- An invited talk on “The Status of Supersymmetry” in Yollar ve Izler, METU, Ankara, 15 February 2013.
- Three invited lectures on “Supersymmetry and Its Phenomenology” in the International Summer School and Conference on High Energy Physics: Standard Model and Beyond, Erasmus ISSCSMB-12, Belek, Antalya, August 28 - September 08 2012.
- An invited talk on “Asymmetric left-right symmetry at low and high energy frontiers” in the workshop on high energy physics and its applications (IZYEF 2012), Urla, Izmir, 19-23 June 2012.
- An invited talk on “Atomic Parity Violation and New Physics” in the first international workshop on Recent Developments in High Energy Physics at the Northern Cyprus Campus of Middle East Technical University, Guzelyurt, Northern Cyprus, 21-23 April 2012.
- A invited talk on “Unparticle effects in multiphoton signals at Colliders” in the first international workshop on Recent Developments in High Energy Physics at the Northern Cyprus Campus of Middle East Technical University, Guzelyurt, Northern Cyprus, 21-23 April 2012.
- A talk on Positron excess by Satellite experiments at the Department of Physics, Middle East Technical University, Ankara, Turkey, 30 September 2010.
- Invitation by TUBITAK Visiting Scientist Fellowship Programme to carry research at the Department of Physics, Middle East Technical University, Ankara, Turkey, 27 August-4 October 2010.
- A talk on $U(1)'$ Model and Positron Excess at the Canadian Association of Physics (CAP) Annual Congress, University of Toronto, Toronto, Ontario Canada, 06-11 June 2010
- Visiting the CERN Theory Division, Geneva, Switzerland, 15-22 May 2010
- A talk on Unparticle Multiphoton Signals at Colliders at the South-West Ontario LHC Physics Workshop, University of Toronto, Toronto, Ontario Canada, 31 March 2010
- A talk on Flavor Changing Neutral Currents in Top Quark Decay and Single Top Production at LHC at the Department of Physics, Middle East Technical

University, Ankara, Turkey, 26 January 2009

- A talk on Search for Gauge Extensions of the MSSM at Large Hadron Collider in Ankara Yuksek Enerji Fizigi Seminerleri in Department of Physics, Ankara University, Ankara, Turkey, 23 January 2009
- A talk on LHC Signatures of $U(1)'$ Model at the Joint ATLAS Canada/LHC Theory Workshop in Department of Physics, Carleton University, Ottawa, Ontario Canada, 15-17 December 2008
- An invitation to give a talk in the ILC workshop on SUSY and New Physics at Terascale at University of Illinois at Chicago, 16-20 November 2008.
- A talk on Flavor Changing Neutral Currents in Top Quark Decay, in Department of Physics, Concordia University, Montreal, Quebec Canada, 26 March 2007
- An invited talk on Flavor Changing Neutral Currents in Top Quark Decay and Single Top Production at LHC/ILC, in Department of Physics, Carleton University, Ottawa, Ontario Canada, 3 November 2006
- An invited talk on Single top Production Via Gluon Fusion at LHC, in Canadian Association of Physics (CAP) Annual Congress, Brock University, St. Catharines, Ontario Canada, 11-14 June 2006
- Theory Canada 2, Perimeter Institute for Theoretical Physics, Waterloo, Ontario Canada, 7-10 June 2006
- Two talks on Non-Commutative Quantum Mechanics, in Department of Mathematics and Statistics, Concordia University, Montreal, Quebec Canada, 18 April and 25 April 2005
- An invited talk on The bounds on Lorentz and CPT violating parameters in the Higgs sector, in Third Meeting on CPT and Lorentz Symmetry, Indiana University, Bloomington, Indiana USA, 3-7 August 2004
- A talk on The bounds on Lorentz and CPT violating parameters in the Higgs sector, at the 26th Annual Montreal-Rochester-Syracuse-Toronto (MRST) Conference: from Quarks to Cosmology Department of Physics, Concordia University, Montreal, Quebec Canada, 12-14 May 2004
- A talk on Flavor Changing Neutral Currents in the Framework of Two-Higgs-Doublet Model, in Physics Department, Israel Institute of Technology (TECHNION), Haifa, Israel, 15 May 2003
- ICTP Summer School on Astroparticle Physics and Cosmology, Trieste, Italy, 18 June-5 July 2002
- Ankara High Energy Physics Days, Physics Department, Ankara University, Ankara, Turkey, June 2002
- TUBITAK HEP Research Group on Rare B Decays and CP Violation, Physics Department, Ankara University, Ankara, Turkey, September 2001
- Feza Gursey Institute Research Semester on Conformal Field Theories, M(ATRIX) Models and Dualities, Istanbul, Turkey, June 1998 - September 1998

CONFERENCE
PROCEEDINGS AND
PREPRINTS

1. **Higgs, chargino and neutralino mass spectra in RPV $U(1)'$ model**
M. Frank, L. Selbuz and I. Turan
Proceedings of Science, il Nuovo Cimento C XXX,
37th International Symposium on Physics in Collision (PIC 2017), Prague, Czech Republic, 4-8 September 2017
2. **“CPT-odd Photon in Vacuum-Orthogonal Model”**
S. Albayrak and I. Turan,
arXiv:1505.07584 [hep-ph].
3. **“The LHC signatures of the extended gauge structures in supersymmetry”**
A. Ali, D. A. Demir, M. Frank and I. Turan
Proceedings of Science EPS-HEP2009, **225** (2009),
Europhysics Conference On High Energy Physics: HEP 2009, Cracow, Poland, 16-22 July 2009

4. **“Doubly Charged Higgsinos at LHC”**
D. A. Demir, M. Frank, K. Huitu, S. K. Rai and I. Turan
Proceedings of Science, PoS (2008LHC) 007,
Physics at LHC-2008, Split, Croatia, 29 September-4 October 2008
5. **“Signatures for doubly-charged Higgsinos at colliders”**
D. A. Demir, M. Frank, K. Huitu, S. K. Rai and I. Turan
AIP Conference Proceedings, Vol. 1078, 2009, ISBN: 978-0-7354-0609-4, Editors: P. Ko and D. K. Hong [arXiv:0810.5265 [hep-ph]]
Proceeding of the 16th International Conference on Supersymmetry and the Unification of Fundamental Interactions (SUSY08), Seoul, Korea, 16-21 June 2008
6. **“The bounds on Lorentz and CPT violating parameters in the Higgs sector”**
I. Turan
Proceeding of the Third Meeting on CPT and Lorentz Symmetry Meeting, Editor: Alan Kostelecky, World Scientific, Singapore, 2004 [arXiv:hep-ph/0409044]
Plenary talk at 3rd Meeting on CPT and Lorentz Symmetry (CPT 04), Bloomington, Indiana, 4-7 Aug 2004
7. **“The bounds on Lorentz and CPT violating parameters in the Higgs sector”**
I. Turan
Int. J. Mod. Phys. A **19**, 5395 (2004) [arXiv:hep-ph/0409044]
Presented at 26th Annual Montreal-Rochester-Syracuse-Toronto Conference on High-Energy Physics: MRST 2004: From Quarks to Cosmology, Montreal, Canada, 12-14 Apr 2004

PUBLICATIONS

As of March 30, 2019;

According to:	Google Scholar	InSPIRE	WoS
Total Number of Citations:	839	956	746
h-index:	16	20	17

1. **“Higgs, Chargino and Neutralino Mass Spectra in RPV $U(1)'$ Model”**
L. Selbuz, M. Frank and I. Turan,
Nuovo Cim. C **40**, no. 6, 198 (2018).
2. **“Scalar Unparticle Signals at the LHC”**
T. M. Aliev, S. Bilmis, M. Solmaz and I. Turan,
Phys. Rev. D **95**, no. 9, 095005 (2017) [arXiv:1701.00498 [hep-ph]].
3. **“Constraints on Dark Photon from Neutrino-Electron Scattering Experiments”**
S. Bilmis, I. Turan, T. M. Aliev, M. Deniz, L. Singh and H. T. Wong,
Phys. Rev. D **92**, no. 3, 033009 (2015) [arXiv:1502.07763 [hep-ph]].
4. **“Casimir force in warped higher dimensional models”**
T.M. Aliev, N. Saad, I. Turan,
Applied and Computational Mathematics, **13**, (2014), p.147-174.
5. **“Higgs Bosons in supersymmetric $U(1)'$ models with CP Violation”**
M. Frank, L. Selbuz, L. Solmaz and I. Turan,
Phys. Rev. D **87**, 075007 (2013) [arXiv:1302.3427 [hep-ph]]
6. **“Neutralino and Chargino Production in $U(1)'$ at the LHC”**
M. Frank, L. Selbuz and I. Turan,
Eur. Phys. J. C **73**, 2656 (2013) [arXiv:1212.4428 [hep-ph]].

7. **“Constraining Extra Neutral Gauge Bosons with Atomic Parity Violation Measurements”**
R. Diener, S. Godfrey and I. Turan,
Phys. Rev. D **86**, 115017 (2012) [arXiv:1111.4566 [hep-ph]]
8. **“Top Quark Pair Production and Asymmetry at the Tevatron and LHC in Left-Right Models”**
M. Frank, A. Hayreter, I. Turan,
Phys. Rev. D **84**, 114007 (2011) [arXiv:1108.0998 [hep-ph]]
9. **“Scalar Neutrinos at the LHC”**
D. A. Demir, M. Frank, L. Selbuz, I. Turan,
Phys. Rev. **D83**, 095001 (2011) [arXiv:1012.5105 [hep-ph]]
10. **“Production and Decays of W_R bosons at the LHC”**
M. Frank, A. Hayreter and I. Turan,
Phys. Rev. D **83**, 035001 (2011) [arXiv:1010.5809 [hep-ph]]
11. **“B Decays in a Asymmetric Left-Right Symmetric Model”**
M. Frank, A. Hayreter and I. Turan,
Phys. Rev. D **82**, 033012 (2010) [arXiv:1005.3074 [hep-ph]]
12. **“Collider Effects of Unparticle Interactions in Multiphoton Signals”**
T. M. Aliev, M. Frank and I. Turan,
Phys. Rev. D **80**, 114019 (2009) [arXiv:0910.5514 [hep-ph]]
13. **“Sneutrino Dark Matter: Symmetry Protection and Cosmic Ray Anomalies”**
D. A. Demir, L. Everett, M. Frank, L. Selbuz and I. Turan
Phys. Rev. D **81**, 035019 (2010) [arXiv:0906.3540 [hep-ph]]
14. **“Doubly Charged Higgsinos at Tevatron”**
D. A. Demir, M. Frank, D. K. Ghosh, K. Huitu, S. K. Rai and I. Turan
Phys. Rev. D **79**, 095006 (2009) [arXiv:0903.3955 [hep-ph]]
15. **“Search for Gauge Extensions of the MSSM at the LHC”**
A. Ali, D. A. Demir, M. Frank and I. Turan
Phys. Rev. D **79**, 095001 (2009) [arXiv:0902.3826 [hep-ph]]
16. **“The Casimir Force in Randall Sundrum Models with $q+1$ dimensions”**
M. Frank, N. Saad and I. Turan
Phys. Rev. D **78**, 055014 (2008) [arXiv:0807.0443 [hep-ph]]
17. **“Signals of Doubly-Charged Higgsinos at the CERN Large Hadron Collider”**
D. A. Demir, M. Frank, K. Huitu, S. K. Rai and I. Turan
Phys. Rev. D **78**, 035013 (2008) [arXiv:0805.4202 [hep-ph]]
18. **“Production of Single Heavy Charged Leptons at a Linear Collider”**
E. De Pree, M. Sher and I. Turan
Phys. Rev. D **77**, 093001 (2008) [arXiv:0803.0996 [hep-ph]]
19. **“The Integrability of Pauli System in Lorentz Violating Background”**
M. Frank, I. Turan and I. Yurdusen
JHEP **0801**, 039 (2008) [arXiv:0709.4276 [hep-th]]
20. **“CP Asymmetry in Charged Higgs Decays to Chargino-Neutralino”**
M. Frank and I. Turan
Phys. Rev. D **76**, 076008 (2007) [arXiv:0708.0026 [hep-ph]]

21. **“The Casimir force in Randall Sundrum models”**
M. Frank, I. Turan and L. Ziegler
Phys. Rev. D **76**, 015008 (2007) [arXiv:0704.3626 [hep-ph]]
22. **“CP asymmetry in charged Higgs decays in MSSM”**
M. Frank and I. Turan
Phys. Rev. D **76**, 016001 (2007) [arXiv:hep-ph/0703184]
23. **“SUSY-induced FCNC top-quark processes at the Large Hadron Collider”**
J. J. Cao, G. Eilam, M. Frank, K. Hikasa, G. L. Liu, I. Turan and J. M. Yang
Phys. Rev. D **75**, 075021 (2007) [arXiv:hep-ph/0702264]
24. **“Rare decay of the top $t \rightarrow cl^+l^-$ and single top production at International Linear Collider”**
M. Frank and I. Turan
Phys. Rev. D **74**, 073014 (2006) [arXiv:hep-ph/0609069]
25. **“The Casimir force in a Lorentz violating theory”**
M. Frank and I. Turan
Phys. Rev. D **74**, 033016 (2006) [arXiv:hep-ph/0607087]
26. **“Neutralino dark matter in the left-right supersymmetric model”**
D. A. Demir, M. Frank and I. Turan
Phys. Rev. D **73**, 115001 (2006) [arXiv:hep-ph/0604168]
27. **“Rare decay of the top $t \rightarrow cgg$ in the standard model”**
G. Eilam, M. Frank and I. Turan
Phys. Rev. D **73**, 053011 (2006) [arXiv:hep-ph/0601151]
28. **“Single top production via gluon fusion at LHC”**
G. Eilam, M. Frank and I. Turan
Phys. Rev. D **74**, 035012 (2006) [arXiv:hep-ph/0601253]
29. **“CP-odd phase effects in a left-right symmetric chargino sector”**
M. Frank, A. de la Cruz de Ona and I. Turan
Phys. Rev. D **72**, 075008 (2005) [arXiv:hep-ph/0508113]
30. **“Width effects on near threshold decays of the top quark $t \rightarrow cWW, cZZ$ and of neutral Higgs bosons”**
S. Bar-Shalom, G. Eilam, M. Frank and I. Turan
Phys. Rev. D **72**, 055018 (2005) [arXiv:hep-ph/0506167]
31. **“ $t \rightarrow cg, c\gamma, cZ$ in the left-right supersymmetric model”**
M. Frank and I. Turan
Phys. Rev. D **72**, 035008 (2005) [arXiv:hep-ph/0506197]
32. **“Neutrino masses in the effective rank-5 subgroups of $E(6)$: Supersymmetric case”**
M. Frank, M. Sher and I. Turan
Phys. Rev. D **71**, 113002 (2005) [arXiv:hep-ph/0503084]
33. **“Neutrino masses in effective rank-5 subgroups of $E(6)$ I: Non-SUSY case”**
M. Frank, I. Turan and M. Sher
Phys. Rev. D **71**, 113001 (2005) [arXiv:hep-ph/0412090]

34. **“Lorentz and CPT violation in the Higgs sector”**
D. L. Anderson, M. Sher and I. Turan
Phys. Rev. D **70**, 016001 (2004) [arXiv:hep-ph/0403116]
35. **“Universal extra dimensions and Kaluza Klein bound states”**
C. D. Carone, J. M. Conroy, M. Sher and I. Turan
Phys. Rev. D **69**, 074018 (2004) [arXiv:hep-ph/0312055]
36. **“ $\mu + N \rightarrow \tau + N$ at a muon or neutrino factory”**
M. Sher and I. Turan
Phys. Rev. D **69**, 017302 (2004) [arXiv:hep-ph/0309183]
37. **“The flavor changing $t \rightarrow cl_1^- l_2^+$ decay in the general two Higgs doublet model”**
E. O. Iltan and I. Turan
Phys. Rev. D **67**, 015004 (2003) [arXiv:hep-ph/0207087]
38. **“Lepton flavor violating $Z \rightarrow l^+ l^-$ decay in the general two Higgs doublet model”**
E. O. Iltan and I. Turan
Phys. Rev. D **65**, 013001 (2002) [arXiv:hep-ph/0106068]
39. **“ $B \rightarrow K^* \tau^+ \tau^-$ decay in the general two Higgs doublet model including the neutral Higgs boson effects”**
E. O. Iltan, G. Turan and I. Turan
J. Phys. G **28**, 307 (2002) [arXiv:hep-ph/0106136]

TECHNICAL SKILLS Extensive computational software experience in High Energy Physics calculations

MATHEMATICA experience: Expert level user, using since year 2000. Deep knowledge of HEP mathematica packages like `FeynArts`, `FormCalc`, `FeynCalc`, `LoopTools` as well as linking `Fortran` and `C` programs to `Mathematica`

FORTRAN/C experience: Good knowledge of `Fortran` and `C` programming languages. Use it mainly for numerical purposes when `Mathematica` is insufficient

HEP softwares: Extensive use of `FeynArts`, `FormCalc`, `FeynCalc`, `LoopTools` for one-loop calculations and `CalcHEP` and `CompHEP` for tree level and as well as patching them whenever necessary. `Pythia` usage through its interface with `CalcHEP`

MODEL implementation: Implementing beyond standard models into `CalcHEP/CompHEP` and `FeynArts` by using the `LanHEP` package. Currently, Left-Right Supersymmetric (LRSUSY) model, $U(1)'$ -MSSM model and Universal Extra Dimensions (UED) model are being implemented into `CalcHEP/CompHEP` and `FeynArts` packages

Operating System and others: An experienced loyal Linux user, UNIX shell scripting and pretty much anything that comes with Linux platforms

REFERENCES

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WWW: <http://web.iyte.edu.tr/physics/people/durmusalidemir.html>