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Addendum to Curriculum Vitae (List of Publications)

Publications

Refereed Publications

1. With Arunprasath Velusamy, “Higgs vacuum stability with vectorlike fermions”, *Phys.Rev. D99* (2019) no.11, 115020, DOI: 10.1103/PhysRevD.99.115020 [arXiv:1812.11303 [hep-ph]].
2. With Tuhin Subhra Mukherjee, “Gauge Singlet Vector-like Fermion Dark Matter, LHC Diphoton Rate and Direct Detection”, *Adv. High Energy Phys.* 2017 (2017) 8689270 [arXiv:1702.04000 [hep-ph]].
3. With Tuhin S. Mukherjee, Soumya Sadhukhan, “Status and Prospects of the Two-Higgs-Doublet SU(6)/Sp(6) little-Higgs Model and the Alignment Limit”, *Phys.Rev. D94* (2016) no.1, 015034 [arXiv:1512.05731 [hep-ph]].
4. With Tuhin S. Mukherjee, Soumya Sadhukhan, “Extra Neutral Scalars with Vector-like Fermions at the LHC”, *Phys.Rev. D93* (2016) 5, 055004, [arXiv:1504.01074 [hep-ph]].
5. With Sebastian Ellis, Rohini Godbole, James D. Wells, “Survey of vector-like fermion extensions of the Standard Model and their phenomenological implications”, *JHEP* 1409 (2014) 130, 2014 [arXiv:1404.4398 [hep-ph]].
6. With Tanumoy Mandal, Subhadip Mitra, Gregory Moreau, “LHC Signatures of Warped-space Vectorlike Quarks”, *JHEP* 1408 (2014) 079, 2013 [arXiv:1306.2656 [hep-ph]].
7. With T. Mandal, S. Mitra, R. Tibrewala, “LHC Signatures of a Vector-like b' ”, *Phys.Rev. D84* (2011) 055001 [arXiv:1107.4306 [hep-ph]].
8. With T. Han, I. Lewis, Z. Si, Y. Zhou, “Chiral Couplings of W' and Top Quark Polarization at the LHC”, *Phys.Rev. D82* (2010) 115020 [arXiv:1008.3508 [hep-ph]].
9. With H. Davoudiasl, E. Ponton, J. Santiago, “Warped 5-Dimensional Models: Phenomenological Status and Experimental Prospects”, *New J.Phys.* 12 (2010) 075011 [arXiv:0908.1968 [hep-ph]].
10. With H. Davoudiasl, A. Soni, “Big Signals of Little Randall-Sundrum Models”, *Phys.Lett. B686* (2010) 239-243 [arXiv:0908.1131 [hep-ph]].
11. With S. Lee and J. Wells, “Dark matter and Higgs boson collider implications of fermions in an abelian-gauged hidden sector”, *Phys. Lett. B680* (2009) 88 - 93 [arXiv:0904.2007 [hep-ph]].
12. With K. Agashe, T. Han, G. Huang and A. Soni, “LHC Signals for Warped Electroweak Charged Gauge Bosons”, *Phys.Rev.D80:075007,2009* [arXiv:0810.1497 [hep-ph]].
13. With S. Jung and J. Wells, “Higgs boson decays to four fermions through an abelian hidden sector.” *Phys.Rev.D78:055002* (2008) [arXiv:0801.3456 [hep-ph]].

14. With K. Agashe, H. Davoudiasl, T. Han, G. Huang, G. Perez, Z. Si, A. Soni, “LHC Signals for Warped Electroweak Neutral Gauge Bosons.” *Phys. Rev. D* 76:115015 (2007) [arXiv:0709.0007 [hep-ph]].
15. With Andre de Gouvea and Werner Porod, “Stop Decay into Right-handed Sneutrino LSP at Hadron Colliders.” *JHEP* 0611:050,2006 [hep-ph/0606296].
16. With Andre de Gouvea and Werner Porod, “Right-handed Sneutrinos as Nonthermal Dark Matter.” *JCAP* 05(2006)005. [hep-ph/0602027].
17. With Andre de Gouvea, “Low-Energy Neutrino Majorana Phases and Charged-Lepton Electric Dipole Moments.” *Phys. Rev. D* 72:093008 (2005) [hep-ph/0508148].
18. With C.-P. Yuan, “B-Meson Signature of a Supersymmetric U(2) flavor model.” *Phys. Rev. D* 71:035012 (2005) [hep-ph/0410181].
19. With Roshan Foadi and Carl Schmidt, “Effects of fermion localization in Higgsless theories and electroweak constraints.” *Phys. Lett. B* 606:157-163 (2005) [hep-ph/0409266].
20. With Qing-hong Cao and C.-P. Yuan, “Collider Signature of Bulk Neutrinos in Large Extra Dimensions.” *Phys. Rev. D* 70:075020 (2004) [hep-ph/0405220].
21. With Qinghong Cao and C.-P. Yuan, “Constraints on Large Extra Dimensions with Bulk Neutrinos.” *Phys. Rev. D* 69:115003 (2004) [hep-ph/0312339].
22. With Roshan Foadi and Carl Schmidt, “Higgsless Electroweak Symmetry breaking from Theory Space.” *JHEP* 0403:042 (2004) [hep-ph/0312324].
23. Shrihari Gopalakrishna, “Proton Decay due to bulk SU(5) Gauge Bosons in the Randall-Sundrum scenario.” *Phys. Rev. D* 66:024011 (2002) [hep-ph/0202075].
24. With James Wells, “Superlight gravitinos in electron photon collisions.” *Phys. Lett. B* 518 (2001) 123 [hep-ph/0108006].

Books

- Shrihari Gopalakrishna, ”Supersymmetric and Extradimensional Beyond the Standard Model Theories, Aspects and Probes.” (Ph.D. Thesis) ISBN 978-3-8383-1021-3, Lambert Academic Publishing, 2009.

Conference Proceedings:

1. With Kaustubh Agashe, et al., “Warped Extra Dimensional Benchmarks for Snowmass 2013”, Conference: C13-07-29.2, [arXiv:1309.7847 [hep-ph]], Sep 2013.
2. With T. Mandal, S. Mitra, R. Tibrewala, “Phenomenology of Warped-space Custodian b' .” Working group report: Physics at the Large Hadron Collider, WHEPP-XI, PRL, Ahmedabad. In D.K. Ghosh, et al., *Pramana* 76 (2011) 707-723
3. With G. Moreau and R. Singh, “Single custodian production in warped extra dimensional models.” In G. Brooijmans et al., “New Physics at the LHC”, Physics at TeV Colliders 2009, Les Houches [arXiv:1005.1229 [hep-ph]].
4. Working group report: Physics at the Large Hadron Collider, WHEPP-XI Proceedings, D.K. Ghosh et al., *Pramana* 76 (2011) 707-723.
5. ”Hidden Sector Dark Matter and LHC Signatures.” SUSY 2009, 5-10 June 2009, Northeastern U., Boston, AIP Conf.Proc. 1200 (2010) 778-781 [arXiv:0909.5579 [hep-ph]].

6. With T. Lari et al., “Collider aspects of flavour physics at high Q.” CERN Workshop “Flavour in the era of the LHC”, Nov 2005 – Mar 2007, Eur.Phys.J. C57 (2008) 183-308, arXiv:0801.1800 [hep-ph].
7. With A. de Gouvea and W. Porod, “Right-handed sneutrino cosmology and hadron collider signatures”, Proceedings of SUSY 2006, Irvine, California, AIP Conf.Proc. 903 (2007) 221-224.
8. With C.-P. Yuan, “New Physics in the Flavor Sector.”, Proceedings of Deep Inelastic Scattering 2005, Madison, Wisconsin, AIP Conf.Proc. 792 (2005) 655-660.
9. J. Hewett, (ed.) et al., “The Discovery Potential of a Super B Factory.” Proceedings of SLAC Workshop, (2003) [hep-ph/0503261].
10. With C.-P. Yuan, “B Physics Signature of a Supersymmetric U(2) flavor model.” Proceedings of Supersymmetry 2003, Tucson, Arizona [hep-ph/0402096].
11. With Maxim Perelstein, James Wells, “Extra Dimensional vs. Supersymmetric Interpretation of Missing Energy Events at the NLC.” Proceedings of Snowmass 2001 [hep-ph/0110339].
12. T. Abe, *et al.* (American Linear Collider Working Group), “Linear Collider Physics Resource Book for Snowmass 2001.” [hep-ex/0106055-58].
13. With Youngbae Kim, A.E. Koniges, “Remote Visualization over Standard Network Connections.” Proceedings of the Fourth Europ. SGI/Cray MPP Workshop, Garching, Germany, (1998) 252-256.