

## **AHEP PUBLICATIONS (2005-2014)**

(excluding proceedings)

1. *Enhanced lepton violation in the supersymmetric inverse seesaw model*  
F.F. Deppisch and J.W.F. Valle  
Physical Review D **72** (2005) 036001 [arXiv:hep-ph/0406040]
2. *NMHDECAY: A Fortran code for the Higgs masses, couplings and decay widths in the NMSSM*  
U. Ellwanger, J.F. Gunion and C. Hugonie  
Journal of High Energy Physics **02** (2005) 066 [arXiv:hep-ph/0406215]
3. *R-parity violating sneutrino decays*  
D. Aristizábal, M. Hirsch and W. Porod  
Journal of High Energy Physics **09** (2005) 033 [arXiv:hep-ph/0409241]
4. *Charge breaking minima in the broken R-parity minimal supersymmetric standard model*  
M. Hirsch, C. Hugonie, J.C. Romão and J.W.F. Valle  
Journal of High Energy Physics **03** (2005) 020 [arXiv:hep-ph/0411129]
5. *Magnetic helicity and cosmological magnetic field*  
V.B. Semikoz and D.D. Sokoloff  
Astronomy and Astrophysics **443** (2005) L53-L56 [arXiv:astro-ph/0411496]
6. *Effects of SO(10)-inspired scalar non-universality on the MSSM parameter space at large tan beta*  
M.R. Ramage  
Nuclear Physics B **720** (2005) 137-181 [arXiv:hep-ph/0412153]
7. *Probing neutrino mass with displaced vertices at the Tevatron*  
F. de Campos, O.J.P. Eboli, M.B. Magro, W. Porod, D. Restrepo and J.W.F. Valle  
Physical Review D **71** (2005) 075001 [arXiv:hep-ph/0501153]
8. *Do observations prove that cosmological neutrinos are thermally distributed?*  
A. Cuoco, J. Lesgourgues, G. Mangano and S. Pastor  
Physical Review D **71** (2005) 123501 [arXiv:astro-ph/0502465]
9. *Geotomography with solar and supernova neutrinos*  
E.Kh. Akhmedov, M.A. Tórtola and J.W.F. Valle  
Journal of High Energy Physics **06** (2005) 053 [arXiv: hep-ph/0502154]
10. *Collider signals of gravitino dark matter in bilinearly broken R-parity*  
M. Hirsch, W. Porod and D. Restrepo  
Journal of High Energy Physics **03** (2005) 062 [arXiv:hep-ph/0503059]
11. *Relic neutrino decoupling including flavour oscillations*  
G. Mangano, G. Miele, S. Pastor, T. Pinto, O. Pisanti and P.D. Serpico  
Nuclear Physics B **729** (2005) 221-234 [arXiv:hep-ph/0506164]
12. *Novel supersymmetric SO(10) seesaw mechanism*  
M. Malinsky, J.C. Romão and J.W.F. Valle  
Physical Review Letters **95** (2005) 161801 [arXiv:hep-ph/0506296]
13. *Sfermion decays into singlets and singlinos in the NMSSM*  
S. Kraml and W. Porod  
Physics Letters B **626** (2005) 175-183 [arXiv:hep-ph/0507055]
14. *Predicting neutrinoless double beta decay*  
M. Hirsch, A. Villanova del Moral, J.W.F. Valle and E. Ma  
Physical Review D **72** (2005) 091301 (Erratum-ibid D 72 (2005) 119904) [arXiv:hep-ph/0507148]

15. *Determining sneutrino masses and physical implications*  
A. Freitas, W. Porod and P.M. Zerwas  
Physical Review D **72** (2005) 115002 [arXiv:hep-ph/0509056]
16. *Are solar neutrino oscillations robust?*  
O.G. Miranda, M.A. Tórtola and J.W.F. Valle  
Journal of High Energy Physics **10** (2006) 008 [arXiv:hep-ph/0406280]
17. *Physics interplay of the LHC and the ILC*  
G. Weiglein et al (includes W. Porod)  
Physics Reports **426** (2006) 47-358 [arXiv:hep-ph/0410364]
18. *Ultra-high energy tau neutrinos and fluorescence detectors: a phenomenological approach*  
M.M. Guzzo and C.A. Moura  
Astroparticle Physics **25** (2006) 277-283 [arXiv:hep-ph/0504270]
19. *The aperture for UHE tau neutrinos of the Auger fluorescence detector using a Digital Elevation Map*  
G. Miele, S. Pastor and O. Pisanti  
Physics Letters B **634** (2006) 137-142 [arXiv:astro-ph/0508038]
20. *R-Parity violation assisted thermal leptogenesis in the seesaw mechanism*  
Y. Farzan and J.W.F. Valle  
Physical Review Letters **96** (2006) 011601 [arXiv:hep-ph/0509280]
21. *Dark energy, curvature and cosmic coincidence*  
U. França  
Physics Letters B **641** (2006) 351-356 [arXiv:astro-ph/0509177]
22. *Test of lepton flavour violation at LHC*  
A. Bartl, K. Hidaka, K. Hohenwarter-Sodek, T. Kernreiter, W. Majerotto and W. Porod  
European Physical Journal C **46** (2006) 783-789 [arXiv:hep-ph/0510074]
23. *Determination of MSSM parameters from LHC and ILC observables in a global fit*  
P. Bechtle, K. Desch, W. Porod and P. Wienemann  
European Physical Journal C **46** (2006) 533-544 [arXiv:hep-ph/0511006]
24. *On the treatment of threshold effects in SUSY spectrum computations*  
H. Baer, J. Ferrandis, S. Kraml and W. Porod  
Physical Review D **73** (2006) 015010 [arXiv:hep-ph/0511123]
25. *Supersymmetry parameter analysis: SPA convention and project*  
J.A. Aguilar-Saavedra et al (includes M. Hirsch, W. Porod and J.W.F. Valle)  
European Physical Journal C **46** (2006) 43-60 [arXiv:hep-ph/0511344]
26. *Radiative zone solar magnetic fields and g-modes*  
T.I. Rashba, V.B. Semikoz and J.W.F. Valle  
Monthly Notices of the Royal Astronomical Society **370** (2006) 845-850 [arXiv:astro-ph/0511708]
27. *Probing neutrino masses with CMB lensing extraction*  
J. Lesgourgues, L. Perotto, S. Pastor and M. Piat  
Physical Review D **73** (2006) 045021 [arXiv:astro-ph/0511735]
28. *Constraining non-standard interactions in (anti)neutrino-electron scattering*  
J. Barranco, O.G. Miranda, C.A. Moura and J.W.F. Valle  
Physical Review D **73** (2006) 113001 [arXiv:hep-ph/0512195]
29. *Geometric approach to condensates in holographic QCD*  
J. Hirn, N. Rius and V. Sanz  
Physical Review D **73** (2006) 085005 [arXiv:hep-ph/0512240]

30. *Production and decays of supersymmetric Higgs bosons in spontaneously broken R-parity*  
M. Hirsch, J.C. Romão, J.W.F. Valle and A. Villanova del Moral  
Physical Review D **73** (2006) 055007 [arXiv:hep-ph/0512257]
31. *Enhanced muon-electron conversion in nuclei in the inverse seesaw model*  
F. Deppisch, T.S. Kosmas and J.W.F. Valle  
Nuclear Physics B **752** (2006) 80-92 [arXiv:hep-ph/0512360]
32. *Right-handed sneutrinos as nonthermal dark matter*  
S. Gopalakrishna, A. de Gouvea and W. Porod  
Journal of Cosmology and Astroparticle Physics **05** (2006) 005 [arXiv:hep-ph/0602027]
33. *Massive neutrinos and cosmology*  
J. Lesgourgues and S. Pastor  
Physics Reports **429** (2006) 307-373 [arXiv:astro-ph/0603494]
34. *Leptonic charged Higgs decays in the Zee model*  
D. Aristizábal Sierra and D. Restrepo  
Journal of High Energy Physics **08** (2006) 036 [arXiv:hep-ph/0604012]
35. *Analysis of enhanced tan beta corrections in MFV GUT scenarios*  
E. Lunghi, W. Porod and O. Vives  
Physical Review D **74** (2006) 075003 [arXiv:hep-ph/0605177]
36. *Invisible neutralino decays from spontaneous R-parity violation*  
M. Hirsch and W. Porod  
Physical Review D **74** (2006) 055003 [arXiv:hep-ph/0606061]
37. *Stop Decay into Right-handed Sneutrino LSP at Hadron Colliders*  
A. de Gouvea, S. Gopalakrishna and W. Porod  
Journal of High Energy Physics **11** (2006) 050 [arXiv:hep-ph/0606296]
38. *High energy neutrino yields from astrophysical sources I: Weakly magnetized sources*  
M. Kachelriess and R. Tomàs  
Physical Review D **74** (2006) 063009 [arXiv:hep-ph/0606406]
39. *Effects of non-standard neutrino-electron interactions on relic neutrino decoupling*  
G. Mangano, G. Miele, S. Pastor, T. Pinto, O. Pisanti and P.D. Serpico  
Nuclear Physics B **756** (2006) 100-116 [arXiv:astro-ph/0607267]
40. *Extended black box theorem for lepton number and flavour violating processes*  
M. Hirsch, S. Kovalenko and I. Schmidt  
Physics Letters B **642** (2006) 106-110 [arXiv:hep-ph/0608207]
41. *Experimental tests for the Babu-Zee two-loop model of Majorana neutrino masses*  
D. Aristizábal and M. Hirsch  
Journal of High Energy Physics **12** (2006) 052 [arXiv:hep-ph/0609307]
42. *Minimal supergravity threshold effects on the tri-bimaximal neutrino mixing pattern*  
M. Hirsch, E. Ma, J.C. Romão, J.W.F. Valle and A. Villanova del Moral  
Physical Review D **75** (2007) 053006 [arXiv:hep-ph/0606082]
43. *Thermal leptogenesis in extended supersymmetric seesaw*  
M. Hirsch, J.W.F. Valle, M. Malinsky, J.C. Romão and U. Sarkar  
Physical Review D **75** (2007) 011701 [arXiv:hep-ph/0608006]
44. *Ultrahigh Energy Neutrinos in the Mediterranean: Detecting tau and muon neutrinos with a km<sup>3</sup> Telescope*  
A. Cuoco, G. Mangano, G. Miele, S. Pastor, L. Perrone, O. Pisanti and P.D. Serpico  
Journal of Cosmology and Astroparticle Physics **02** (2007) 007 [arXiv:astro-ph/0609241]

45. *Flavor Symmetry and Vacuum Aligned Mass Textures*  
S. Kaneko, H. Sawanaka, T. Shingai, M. Tanimoto and K. Yoshioka  
Progress of Theoretical Physics **117** (2007) 161-181 [arXiv:hep-ph/0609220]
46. *Decay of Charged Higgs boson in TeV scale supersymmetric seesaw model*  
G.C. Cho, S. Kaneko and A. Omote  
Physics Letters B **652** (2007) 325-330 [arXiv:hep-ph/0611240]
47. *Soft leptogenesis in the inverse seesaw model*  
J. Garayoa, M.C. González-García and N. Rius  
Journal of High Energy Physics **02** (2007) 021 [arXiv:hep-ph/0611311]
48. *Probing the internal solar magnetic field through g-modes*  
T.I. Rashba, V.B. Semikoz, S. Turck-Chièze and J.W.F. Valle  
Monthly Notices of the Royal Astronomical Society **377** (2007) 453-458 [arXiv:astro-ph/0611728]
49. *Just so Higgs boson*  
F. Bazzocchi, M. Fabbrichesi and P. Ullio  
Physical Review D **75** (2007) 056004 [arXiv:hep-ph/0612280]
50. *Model for fermion masses and lepton mixing in  $SO(10) \times A_4$*   
S. Morisi, M. Picariello and E. Torrente-Luján  
Physical Review D **75** (2007) 075015 [arXiv:hep-ph/0702034]
51. *Predictive flavour symmetries of the neutrino mass matrix*  
M. Hirsch, A.S. Joshipura, S. Kaneko and J.W.F. Valle  
Physical Review Letters **99** (2007) 151802 [arXiv:hep-ph/0703046]
52. *Flavor Symmetry and Vacuum Aligned Mass Textures*  
S. Kaneko, H. Sawanaka, T. Shingai, M. Tanimoto and K. Yoshioka  
International Journal of Modern Physics E **16** (2007) 1427-1436 [arXiv:hep-ph/0703250]
53. *Quark masses and mixings in  $E_6 \times S_3$ : A Monte Carlo approach*  
S. Morisi  
International Journal of Modern Physics A **22** (2007) 2921-2933
54. *Probing non-standard neutrino interactions with supernova neutrinos*  
A. Esteban-Pretel, R. Tomàs and J.W.F. Valle  
Physical Review D **76** (2007) 053001 [arXiv:0704.0032]
55. *Insensitivity of leptogenesis with flavor effects to low energy leptonic CP violation*  
S. Davidson, J. Garayoa, F. Palorini and N. Rius  
Physical Review Letters **99** (2007) 161801 [arXiv:0705.1503]
56. *Decaying warm dark matter and neutrino masses*  
M. Lattanzi and J.W.F. Valle  
Physical Review Letters **99** (2007) 121301 [arXiv:0705.2406]
57. *Exact relativistic beta decay endpoint spectrum*  
S.S. Masood, S. Nasri, J. Schechter, M.A. Tórtola, J.W.F. Valle and C. Weinheimer  
Physical Review C **76** (2007) 045501 [arXiv:0706.0897]
58. *Decoherence in supernova neutrino transformations suppressed by deleptonization*  
A. Esteban-Pretel, S. Pastor, R. Tomàs, G.G. Raffelt and G. Sigl  
Physical Review D **76** (2007) 125018 [arXiv:0706.2498]
59. *Natural dark matter in SUSY GUTs with non-universal gaugino masses*  
S.F. King, J.P. Roberts and D.P. Roy  
Journal of High Energy Physics **10** (2007) 106 [arXiv:0705.4219]

60. *CP violation and neutrino oscillations*  
H. Nunokawa, S.J. Parke and J.W.F. Valle  
Progress in Particle and Nuclear Physics **60** (2008) 338-402 [arXiv:0710.0554]
61. *Embedding  $A_4$  into left-right symmetry: Tribimaximal neutrino mixing and fermion hierarchy*  
F. Bazzocchi, S. Morisi and M. Picariello  
Physics Letters B **659** (2008) 628-633 [arXiv:0710.2928]
62. *Variations on leptogenesis*  
D. Aristizábal Sierra, M. Losada and E. Nardi  
Physics Letters B **659** (2008) 328-335 [arXiv:0705.1489]
63. *Disentangling neutrino-nucleon cross section and high energy neutrino flux with a  $km^3$  neutrino telescope*  
E. Borriello, A. Cuoco, G. Mangano, G. Miele, S. Pastor, O. Pisanti and P.D. Serpico  
Physical Review D **77** (2008) 045019 [arXiv:0711.0152]
64. *Mu-tau neutrino refraction and collective three-flavor transformations in supernovae*  
A. Esteban-Pretel, S. Pastor, R. Tomàs, G.G. Raffelt and G. Sigl  
Physical Review D **77** (2008) 065024 [arXiv:0712.1137]
65. *Role of dense matter in collective supernova neutrino transformations*  
A. Esteban-Pretel, A. Mirizzi, S. Pastor, R. Tomàs, G.G. Raffelt, P.D. Serpico and G. Sigl  
Physical Review D **78** (2008) 085012 [arXiv:0807.0659]
66. *A SUSY  $A_4$  model for fermion masses and mixings*  
F. Bazzocchi, S. Kaneko and S. Morisi  
Journal of High Energy Physics **03** (2008) 063 [arXiv:0707.3032]
67. *CP observables with spin-spin correlations in chargino production*  
A. Bartl, K. Hohenwarter-Sodek, T. Kernreiter, O. Kittel and M. Terwort  
Nuclear Physics B **802** (2008) 77-91 [arXiv:0802.3592]
68. *Constraining non-standard neutrino-electron interactions*  
J. Barranco, O.G. Miranda, C.A. Moura and J.W.F. Valle  
Physical Review D **77** (2008) 093014 [arXiv:0711.0698]
69. *Polarized positrons and electrons at the linear collider*  
G. Moortgat-Pick et al (includes W. Porod)  
Physics Reports **460** (2008) 131-243 [arXiv: hep-ph/0507011]
70. *Lepton asymmetries and the growth of cosmological seed magnetic fields*  
V.B. Semikoz and J.W.F. Valle  
Journal of High Energy Physics **03** (2008) 067 [arXiv:0704.3978]
71. *Astrophysical interpretation of the medium scale clustering in the ultrahigh energy sky*  
A. Cuoco, G. Miele and P.D. Serpico  
Physics Letters B **660** (2008) 307-314 [arXiv:0706.2864]
72. *Fermion masses, Leptogenesis and Supersymmetric  $SO(10)$  Unification*  
J.C. Romão, M.A. Tórtola, M. Hirsch and J.W.F. Valle  
Physical Review D **77** (2008) 055002 [arXiv:0707.2942]
73. *High energy neutrino yields from astrophysical sources II: Magnetized sources*  
M. Kachelriess, S. Ostapchenko and R. Tomàs  
Physical Review D **77** (2008) 023007 [arXiv:0708.3047]
74. *Angular signatures of annihilating dark matter in the cosmic gamma-ray background*  
A. Cuoco, J. Brandbyge, S. Hannestad, T. Haugbølle and G. Miele  
Physical Review D **77** (2008) 123518 [arXiv:0710.4136]

75. *Leptoquarks: Neutrino masses and accelerator phenomenology*  
D. Aristizábal, M. Hirsch and S.G. Kovalenko  
Physical Review D **77** (2008) 055011 [arXiv:0710.5699]
76. *Probing a supersymmetric model for neutrino masses at ultra-high energy neutrino telescopes*  
M. Hirsch, D.P. Roy and J.W.F. Valle  
Physics Letters B **662** (2008) 185-189 [arXiv:0712.1711]
77. *Probing bilinear R-parity violating supergravity at the LHC*  
F. de Campos, O.J.P. Eboli, M.B. Magro, W. Porod, D. Restrepo, M. Hirsch and J.W.F. Valle  
Journal of High Energy Physics **05** (2008) 048 [arXiv:0712.2156]
78. *Spontaneous R-parity violation: Lightest neutralino decays and neutrino mixing angles at future colliders*  
M. Hirsch, W. Porod and A. Vicente  
Physical Review D **77** (2008) 075005 [arXiv:0802.2896]
79. *Probing minimal supergravity in type I see-saw with lepton flavor violation at the LHC*  
M. Hirsch, W. Porod, J.C. Romão, J.W.F. Valle and A. Villanova del Moral  
Physical Review D **78** (2008) 013006 [arXiv:0804.4072]
80. *X-ray photons from late-decaying majoron dark matter*  
F. Bazzocchi, M. Lattanzi, S. Riemer-Sørensen and J.W.F. Valle  
Journal of Cosmology and Astroparticle Physics **08** (2008) 013 [arXiv:0805.2372]
81. *Can OPERA help in constraining neutrino non-standard interactions?*  
A. Esteban-Pretel, P. Huber and J.W.F. Valle  
Physics Letters B **668** (2008) 197-201 [arXiv:0803.1790]
82. *Observables sensitive to absolute neutrino masses. II*  
G.L. Fogli, E. Lisi, A. Marrone, A. Melchiorri, A. Palazzo, A.M. Rotunno, P. Serra, J. Silk and A. Slosar  
Physical Review D **78** (2008) 033010 [arXiv:0805.2517]
83. *Hints of  $\theta_{13} > 0$  from global neutrino data analysis*  
G.L. Fogli, E. Lisi, A. Marrone, A. Palazzo and A.M. Rotunno  
Physical Review Letters **101** (2008) 141801 [arXiv: 0806.2649]
84. *CP violation in the SUSY seesaw: leptogenesis and low energy*  
S. Davidson, J. Garayoa, F. Palorini and N. Rius  
Journal of High Energy Physics **09** (2008) 053 [arXiv:0806.2832]
85. *Minimal supergravity sneutrino dark matter and inverse see-saw neutrino masses*  
C. Arina, F. Bazzocchi, N. Fornengo, J.C. Romão and J.W.F. Valle  
Physical Review Letters **101** (2008) 161802 [arXiv: 0806.3225]
86. *Three-flavour neutrino oscillation update*  
T. Schwetz, M.A. Tórtola and J.W.F. Valle  
New Journal of Physics **10** (2008) 113011 [arXiv:0808.2016]
87. *Parameter degeneracy in flavor-dependent reconstruction of supernova neutrino fluxes*  
H. Minakata, H. Nunokawa, R. Tomàs and J.W.F. Valle  
Journal of Cosmology and Astroparticle Physics **12** (2008) 006 [arXiv:0802.1489]
88. *Tri-bimaximal neutrino mixing and neutrinoless double beta decay*  
S. Morisi, M. Hirsch and J.W.F. Valle  
Physical Review D **78** (2008) 093007 [arXiv:0804.1521]
89. *Supersymmetric type II seesaw mechanism: CERN LHC and lepton flavor violating phenomenology*  
M. Hirsch, S. Kaneko and W. Porod  
Physical Review D **78** (2008) 093004 [arXiv:0806.3361]

90. *Collider aspects flavor physics at high Q*  
T. Lari et al [includes D. Aristizábal, M. Hirsch, J.W.F. Valle and A. Villanova del Moral]  
European Physical Journal C **57** (2008) 183-307 [arXiv:0801.1800]
91. *Fermion masses and mixing in models with  $SO(10) \times A_4$  symmetry*  
F. Bazzocchi, M. Frigerio and S. Morisi  
Physical Review D **78** (2008) 116018 [arXiv:0809.3573]
92. *Measuring lepton flavour violation at LHC with long-lived slepton in the coannihilation region*  
S. Kaneko, J. Sato, T. Shimomura, O. Vives and M. Yamanaka  
Physical Review D **78** (2008) 116013 [arXiv:0811.0703]
93. *Embedding  $A_4$  into  $SU(3) \times U(1)$  flavor symmetry: large neutrino mixing & fermion mass hierarchy in  $SO(10)$  GUT*  
F. Bazzocchi, S. Morisi, M. Picariello and E. Torrente-Luján  
Journal of Physics G **36** (2009) 015002 [arXiv:0802.1693]
94. *Working group report: Neutrino Physics*  
S. Choubey et al [includes M. Hirsch]  
Pramana - Journal of Physics **72** (2009) 269-275
95. *The neutrino mass matrix and (selected) variants of  $A_4$*   
M. Hirsch  
Pramana - Journal of Physics **72** (2009) 183-193
96. *Physics at a future Neutrino Factory and super-beam facility*  
A. Bandyopadhyay et al [includes J.W.F. Valle]  
Reports on Progress in Physics **72** (2009) 106201 [arXiv:0710.4947]
97. *Using tau polarization to probe the stau co-annihilation region of  $mSUGRA$  model at LHC*  
R.M. Godbole, M. Guchait and D.P. Roy  
Physical Review D **79** (2009) 095015 [arXiv:0807.2390]
98. *Relic density of neutrinos with primordial asymmetries*  
S. Pastor, T. Pinto and G.G. Raffelt  
Physical Review Letters **102** (2009) 241302 [arXiv:0808.3137]
99. *Primordial Nucleosynthesis: from precision cosmology to fundamental physics*  
F. Iocco, G. Mangano, G. Miele, O. Pisanti and P.D. Serpico  
Physics Reports **472** (2009) 1-76 [arXiv:0809.0631]
100. *Finding the Higgs Boson through Supersymmetry*  
F. de Campos, O.J.P. Eboli, M.B. Magro, D. Restrepo and J.W.F. Valle  
Physical Review D **80** (2009) 015002 [arXiv:0809.1637]
101. *Radio constraints on dark matter annihilation in the galactic halo and its substructures*  
E. Borriello, A. Cuoco and G. Miele  
Physical Review D **79** (2009) 023518 [arXiv:0809.2990]
102. *Modelling tri-bimaximal neutrino mixing*  
M. Hirsch, S. Morisi and J.W.F. Valle  
Physical Review D **79** (2009) 016001 [arXiv:0810.0121]
103.  *$S_4$  as a natural flavor symmetry for lepton mixing*  
F. Bazzocchi and S. Morisi  
Physical Review D **80** (2009) 096005 [arXiv:0811.0345]
104. *Neutrino masses, leptogenesis and dark matter in hybrid seesaw*  
P.H. Gu, M. Hirsch, U. Sarkar and J.W.F. Valle  
Physical Review D **79** (2009) 033010 [arXiv:0811.0953]

105. *Probing non-standard neutrino-electron interactions with solar and reactor neutrinos*  
A. Bolaños, O.G. Miranda, A. Palazzo, M.A. Tórtola and J.W.F. Valle  
Physical Review D **79** (2009) 113012 [arXiv:0812.4417]
106. *Tri-Bimaximal lepton mixing with  $A_4 \times (Z_2)^3$*   
S. Morisi  
Physical Review D **79** (2009) 033008 [arXiv:0901.1080]
107. *Fermion masses and mixings in a  $S_4$  based model*  
F. Bazzocchi, L. Merlo and S. Morisi  
Nuclear Physics B **816** (2009) 204-226 [arXiv:0901.2086]
108. *Majoron emission in muon and tau decays revisited*  
M. Hirsch, A. Vicente, J. Meyer and W. Porod  
Physical Review D **79** (2009) 055023 [arXiv:0902.0525]
109. *Phenomenological Consequences of See-Saw in  $S_4$  Based Models*  
F. Bazzocchi, L. Merlo and S. Morisi  
Physical Review D **80** (2009) 053003 [arXiv:0902.2849]
110. *Flavour violation at the LHC: type-I versus type-II seesaw in minimal supergravity*  
J.N. Esteves, M. Hirsch, W. Porod, J.C. Romão, J.W.F. Valle and A. Villanova del Moral  
Journal of High Energy Physics **05** (2009) 003 [arXiv:0903.1408]
111. *LHC phenomenology of the  $\mu\nu$ SSM*  
A. Bartl, M. Hirsch, A. Vicente, S. Liebler and W. Porod  
Journal of High Energy Physics **05** (2009) 120 [arXiv:0903.3596]
112. *Sensitivity on Earth Core and Mantle densities using Atmospheric Neutrinos*  
E. Borriello, G. Mangano, A. Marotta, G. Miele, P. Migliozi, C.A. Moura, S. Pastor, O. Pisanti and P.E. Strolin  
Journal of Cosmology and Astroparticle Physics **06** (2009) 030 [arXiv:0904.0796]
113. *Impact of squark generation mixing on the search for gluinos at LHC*  
A. Bartl, K. Hidaka, K. Hohenwarter-Sodek, T. Kernreiter, W. Majerotto and W. Porod  
Physics Letters B **679** (2009) 260-266 [arXiv:0905.0132]
114.  *$A_4$ -based tri-bimaximal mixing within inverse and linear seesaw schemes*  
M. Hirsch, S. Morisi and J.W.F. Valle  
Physics Letters B **679** (2009) 454-459 [arXiv:0905.3056]
115. *Is the baryon asymmetry of the Universe related to galactic magnetic fields?*  
V.B. Semikoz, D.D. Sokoloff and J.W.F. Valle  
Physical Review D **80** (2009) 083510 [arXiv:0905.3365]
116. *On the full Boltzmann equations for Leptogenesis*  
J. Garayoa, S. Pastor, T. Pinto, N. Rius and O. Vives  
Journal of Cosmology and Astroparticle Physics **09** (2009) 035 [arXiv:0905.4834]
117. *Constraining nonstandard neutrino-quark interactions with solar, reactor and accelerator data*  
F.J. Escrivuela, O.G. Miranda, M.A. Tórtola and J.W.F. Valle  
Physical Review D **80** (2009) 105009 [arXiv:0907.2630]
118. *Inverse tri-bimaximal type-III seesaw and lepton flavor violation*  
D. Ibáñez, S. Morisi and J.W.F. Valle  
Physical Review D **80** (2009) 053015 [arXiv:0907.3109]
119. *Dark matter in minimal supergravity with type-II seesaw*  
J.N. Esteves, S. Kaneko, J.C. Romão, M. Hirsch and W. Porod  
Physical Review D **80** (2009) 095003 [arXiv:0907.5090]



120. *Model independent constraints on mass-varying neutrino scenarios*  
U. França, M. Lattanzi, J. Lesgourgues and S. Pastor  
Physical Review D **80** (2009) 083506 [arXiv:0908.0534]
121. *Confusing non-zero  $\theta_{13}$  with non-standard interactions in the solar neutrino sector*  
A. Palazzo and J.W.F. Valle  
Physical Review D **80** (2009) 091301 [arXiv:0909.1535]
122. *An  $A_4$  model for lepton masses and mixings*  
S. Morisi and E. Peinado  
Physical Review D **80** (2009) 113011 [arXiv:0910.4389]
123. *Calculable inverse-seesaw neutrino masses in supersymmetry*  
F. Bazzocchi, D.G. Cerdeño, C. Muñoz and J.W.F. Valle  
Physical Review D **81** (2010) 051701 [arXiv:0907.1262]
124. *Tri-Bimaximal Lepton Mixing and Leptogenesis*  
D. Aristizábal Sierra, F. Bazzocchi, I. de Medeiros Varzielas, L. Merlo and S. Morisi  
Nuclear Physics B **827** (2010) 34-58 [arXiv:0908.0907]
125. *Interplay between collective effects and nonstandard neutrino interactions of supernova neutrinos*  
A. Esteban-Pretel, R. Tomàs and J.W.F. Valle  
Physical Review D **81** (2010) 063003 [arXiv:0909.2196]
126. *Minimal Supersymmetric Inverse Seesaw: Neutrino masses, lepton flavour violation and LHC phenomenology*  
M. Hirsch, T. Kernreiter, J.C. Romão and A. Villanova del Moral  
Journal of High Energy Physics **05** (2010) 103 [arXiv:0910.2435]
127. *Higgs in Space!*  
C.B. Jackson, G. Servant, G. Shaughnessy, T.M.P. Tait and M. Taoso  
Journal of Cosmology and Astroparticle Physics **04** (2010) 004 [arXiv:0912.0004]
128.  *$S_4$  model for quarks and leptons with maximal atmospheric angle*  
S. Morisi and E. Peinado  
Physical Review D **81** (2010) 085015 [arXiv:1001.2265]
129. *Spin Discrimination in Three-Body Decays*  
L. Edelhäuser, W. Porod, R.K. Singh  
Journal of High Energy Physics **08** (2010) 053 [arXiv:1005.3720]
130. *Effect of low mass dark matter particles on the Sun*  
M. Taoso, F. Iocco, G. Meynet, G. Bertone and P. Eggenberger  
Physical Review D **82** (2010) 083509 [arXiv:1005.5711]
131. *Combined analysis of KamLAND and Borexino neutrino signals from Th and U decays in the Earth's interior*  
G.L. Fogli, E. Lisi, A. Palazzo and A.M. Rotunno  
Physical Review D **82** (2010) 093006 [arXiv:1006.1113]
132. *Probing neutrino oscillations in supersymmetric models at the Large Hadron Collider*  
F. de Campos, O.J.P. Eboli, M. Hirsch, M.B. Magro, W. Porod, D. Restrepo and J.W.F. Valle  
Physical Review D **82** (2010) 075002 [arXiv:1006.5075]
133. *Discrete dark matter*  
M. Hirsch, S. Morisi, E. Peinado and J.W.F. Valle  
Physical Review D **82** (2010) 116003 [arXiv:1007.0871]

134.  *$A_4$ -based neutrino masses with Majoron decaying dark matter*  
J.N. Esteves, F.R. Joaquim, A.S. Joshipura, J.C. Romão, M.A. Tórtola and J.W.F. Valle  
Physical Review D **82** (2010) 073008 [arXiv:1007.0898]
135. *Signatures of bosonic squark decays in non-minimally flavour-violating supersymmetry*  
M. Bruhnke, B. Herrmann and W. Porod  
Journal of High Energy Physics **09** (2010) 006 [arXiv:1007.2100]
136. *The electroweak sector of the NMSSM at the one-loop level*  
F. Staub, W. Porod and B. Herrmann  
Journal of High Energy Physics **10** (2010) 040 [arXiv:1007.4049]
137. *LHC and lepton flavour violation phenomenology of a left-right extension of the MSSM*  
J.N. Esteves, J.C. Romão, M. Hirsch, A. Vicente, W. Porod and F. Staub  
Journal of High Energy Physics **12** (2010) 077 [arXiv:1011.0348]
138. *Fritzsch neutrino mass matrix from  $S_3$  symmetry*  
D. Meloni, S. Morisi and E. Peinado  
Journal of Physics G **38** (2011) 015003 [arXiv:1005.3482]
139. *Impact of squark generation mixing on the search for squarks decaying into fermions at LHC*  
A. Bartl, H. Eberl, B. Herrmann, K. Hidaka, W. Majerotto and W. Porod  
Physics Letters B **698** (2011) 380-388 [arXiv:1007.5483]
140. *Flavour structure of supersymmetric  $SO(10)$  GUTs with extended matter sector*  
M. Heinze and M. Malinsky  
Physical Review D **83** (2011) 035018 [arXiv:1008.4813]
141. *CP-violating Supersymmetric Higgs at the Tevatron and LHC*  
S.P. Das and M. Drees  
Physical Review D **83** (2011) 035003 [arXiv:1010.3701]
142. *Supersymmetric type-III seesaw mechanism: Lepton flavor violating decays and dark matter*  
J.N. Esteves, J.C. Romão, M. Hirsch, F. Staub and W. Porod  
Physical Review D **83** (2011) 013003 [arXiv:1010.6000]
143. *Constraining the cosmic radiation density due to lepton number with Big Bang Nucleosynthesis*  
G. Mangano, G. Miele, S. Pastor, O. Pisanti and S. Sarikas  
Journal of Cosmology and Astroparticle Physics **03** (2011) 035 [arXiv:1011.0916]
144. *Neutrino phenomenology and stable dark matter with  $A_4$*   
D. Meloni, S. Morisi and E. Peinado  
Physics Letters B **697** (2011) 339-342 [arXiv:1011.1371]
145. *Supersymmetric mass spectra and the seesaw scale*  
M. Hirsch, L. Reichert and W. Porod  
Journal of High Energy Physics **05** (2011) 086 [arXiv:1101.2140]
146. *Minimal Flipped  $SO(10) \times U(1)$  Supersymmetric Higgs Model*  
S. Bertolini, L. Di Luzio and M. Malinsky  
Physical Review D **83** (2011) 035002 [arXiv:1011.1821]
147. *Phenomenology of Dark Matter from  $A_4$  Flavor Symmetry*  
M.S. Boucenna, M. Hirsch, S. Morisi, E. Peinado, M. Taoso and J.W.F. Valle  
Journal of High Energy Physics **05** (2011) 037 [arXiv:1101.2874]
148. *Global neutrino data and recent reactor fluxes: status of three-flavour oscillation parameters*  
T. Schwetz, M.A. Tórtola and J.W.F. Valle  
New Journal of Physics **13** (2011) 063004 [arXiv:1103.0734]

149. *Global constraints on muon-neutrino non-standard interactions*  
F.J. Escrihuela, O.G. Miranda, M.A. Tórtola and J.W.F. Valle  
Physical Review D **83** (2011) 093002 [arXiv:1103.1366]
150. *Relating quarks and leptons without grand-unification*  
S. Morisi, E. Peinado, Y. Shimizu y J.W.F. Valle  
Physical Review D **84** (2011) 036003 [arXiv:1104.1633]
151. *Chern-Simons anomaly as polarization effect*  
V.B. Semikoz and J.W.F. Valle  
Journal of Cosmology and Astroparticle Physics **11** (2011) 048 [arXiv:1104.3106]
152. *Admixture of quasi-Dirac and Majorana neutrinos with tri-bimaximal mixing*  
S. Morisi and E. Peinado  
Physics Letters B **701** (2011) 451-457 [arXiv:1104.4961]
153. *Constraining nonstandard neutrino interactions with electrons*  
D.V. Forero and M.M. Guzzo  
Physical Review D **84** (2011) 013002
154. *Stability of dark matter from the  $D_4 \times Z_2^f$  group*  
D. Meloni, S. Morisi and E. Peinado  
Physics Letters B **703** (2011) 281-287 [arXiv:1104.0178]
155. *Non-standard antineutrino interactions at Daya Bay*  
R. Leitner, M. Malinsky, B. Roskovec and H. Zhang  
Journal of High Energy Physics **12** (2011) 001 [arXiv:1105.5580]
156. *Direct and Indirect Singlet Scalar Dark Matter Detection in the Lepton-Specific two-Higgs-doublet Model*  
M.S. Boucenna and S. Profumo  
Physical Review D **84** (2011) 055011 [arXiv:1106.3368]
157. *Model for T2K indication with maximal  $\theta_{23}$  and trimaximal  $\theta_{12}$*   
S. Morisi, K.M. Patel and E. Peinado  
Physical Review D **84** (2011) 053002 [arXiv:1107.0696]
158. *Soft masses in SUSY  $SO(10)$  GUTs with low intermediate scales*  
V. de Romeri, M. Hirsch and M. Malinsky  
Physical Review D **84** (2011) 053012 [arXiv:1107.3412]
159. *Lepton flavor violation and non-unitary lepton mixing in low-scale type-I seesaw*  
D.V. Forero, S. Morisi, M.A. Tórtola and J.W.F. Valle  
Journal of High Energy Physics **09** (2011) 142 [arXiv:1107.6009]
160. *Possibility of a Dark Matter Interpretation for the Excess in Isotropic Radio Emission Reported by ARCADE*  
N. Fornengo, R.A. Lineros, M. Regis and M. Taoso  
Physical Review Letters **107** (2011) 271302 [arXiv:1108.0569]
161. *Where we are on  $\theta_{13}$ : addendum to "Global neutrino data and recent reactor fluxes: status of three-flavour oscillation parameter"*  
T. Schwetz, M.A. Tórtola and J.W.F. Valle  
New Journal of Physics **13** (2011) 109401 [arXiv:1108.1376]
162. *Symmetrical Parametrizations of the Lepton Mixing Matrix*  
W. Rodejohann and J.W.F. Valle  
Physical Review D **84** (2011) 073011 [arXiv:1108.3484]

163. *Neutrino mass from higher than  $d=5$  effective operators in supersymmetry, and its test at the LHC*  
M.B. Krauss, T. Ota, W. Porod and W. Winter  
Physical Review D **84** (2011) 115023 [arXiv:1109.4636]
164. *Gravitino dark matter and neutrino masses with bilinear  $R$ -parity violation*  
D. Restrepo, M. Taoso, J.W.F. Valle and O. Zapata  
Physical Review D **85** (2012) 023523 [arXiv:1109.0512]
165. *Dark matter and LHC phenomenology in a left-right supersymmetric model*  
J.N. Esteves, M. Hirsch, W. Porod, J.C. Romão, F. Staub and A. Vicente  
Journal of High Energy Physics **01** (2012) 095 [arXiv:1109.6478]
166. *Hefty MSSM-like light Higgs in extended gauge models*  
M. Hirsch, M. Malinsky, L. Reichert, W. Porod and F. Staub  
Journal of High Energy Physics **02** (2012) 084 [arXiv:1110.3037]
167. *Updated BBN bounds on the cosmological lepton asymmetry for non-zero  $\theta_{13}$*   
G. Mangano, G. Miele, S. Pastor, O. Pisanti and S. Sarikas  
Physics Letters B **708** (2012) 1-5 [arXiv:1110.4335]
168. *Constraining neutrinoless double beta decay*  
L. Doramé, D. Meloni, S. Morisi, E. Peinado and J.W.F. Valle  
Nuclear Physics B **861** (2012) 259-270 [arXiv:1111.5614]
169. *Heavy Sterile Neutrinos in Tau Decays and the MiniBooNE Anomaly*  
C. Dib, J.C. Helo, M. Hirsch, S. Kovalenko and I. Schmidt  
Physical Review D **85** (2012) 011301 [arXiv:1110.5400]
170. *Low-energy neutrino-electron scattering as a Standard Model probe: the potential of LENA as case study*  
E.A. Garcés, O.G. Miranda, M.A. Tórtola and J.W.F. Valle  
Physical Review D **85** (2012) 073006 [arXiv:1112.3633]
171. *Supersymmetric mass spectra and the seesaw type-I scale*  
C. Arbeláez, M. Hirsch and L. Reichert  
Journal of High Energy Physics **02** (2012) 112 [arXiv:1112.4771]
172. *Enhancing  $li \rightarrow 3lj$  with the  $Z^0$ -penguin*  
M. Hirsch, F. Staub and A. Vicente  
Physical Review D **85** (2012) 113013 [arXiv:1202.1825]
173. *New neutrino mass sum rule from the inverse seesaw mechanism*  
L. Doramé, S. Morisi, E. Peinado, A.D. Rojas and J.W.F. Valle  
Physical Review D **86** (2012) 056001 [arXiv:1203.0155]
174. *Flavour in heavy neutrino searches at the LHC*  
J.A. Aguilar-Saavedra, F. Deppisch, O. Kittel and J.W.F. Valle  
Physical Review D **85** (2012) 091301 [arXiv:1203.5998]
175. *Cosmological lepton asymmetry with a nonzero mixing angle  $\theta_{13}$*   
E. Castorina, U. França, M. Lattanzi, J. Lesgourgues, G. Mangano, A. Melchiorri and S. Pastor  
Physical Review D **86** (2012) 023517 [arXiv:1204.2510]
176. *Predictive discrete dark matter model and neutrino oscillations*  
M.S. Boucenna, S. Morisi, E. Peinado, Y. Shimizu and J.W.F. Valle  
Physical Review D **86** (2012) 073008 [arXiv:1204.4733]
177. *Systematic study of the  $d = 5$  Weinberg operator at one-loop order*  
F. Bonnet, M. Hirsch, T. Ota and W. Winter  
Journal of High Energy Physics **07** (2012) 153 [arXiv:1204.5862]

178. *Lepton asymmetries and primordial hypermagnetic helicity evolution*  
V.B. Semikoz, D.D. Sokoloff and J.W.F. Valle  
Journal of Cosmology and Astroparticle Physics **06** (2012) 008 [arXiv:1205.3607]
179. *Global status of neutrino oscillation parameters after Neutrino-2012*  
D.V. Forero, M.A. Tórtola and J.W.F. Valle  
Physical Review D **86** (2012) 073012 [arXiv:1205.4018]
180. *Heavy neutrinos and lepton flavor violation in left-right symmetric models at the LHC*  
S.P. Das, F.F. Deppisch, O. Kittel and J.W.F. Valle  
Physical Review D **86** (2012) 055006 [arXiv:1206.0256]
181. *Bi-large neutrino mixing and the Cabibbo angle*  
M.S. Boucenna, S. Morisi, M.A. Tórtola and J.W.F. Valle  
Physical Review D **86** (2012) 051301 [arXiv:1206.2555]
182. *Quark mixing in the discrete dark matter model*  
R. de Adelhart Toorop, F. Bazzocchi and S. Morisi  
Nuclear Physics B **856** (2012) 670-681 [arXiv:1104.5676]
183. *Conservative upper limits on WIMP annihilation cross section from Fermi-LAT gamma-rays*  
F. Calore, V. de Romeri and F. Donato  
Physical Review D **85** (2012) 023004 [arXiv:1105.4230]
184. *Radio data and synchrotron emission in consistent cosmic ray models*  
T. Bringmann, F. Donato and R.A. Lineros  
Journal of Cosmology and Astroparticle Physics **01** (2012) 049 [arXiv:1106.4821]
185. *Running soft parameters in SUSY models with multiple  $U(1)$  gauge factors*  
R. Fonseca, M. Malinsky, W. Porod and F. Staub  
Nuclear Physics B **854** (2012) 28-53 [arXiv:1107.2670]
186. *The reactor mixing angle and CP violation with two texture zeros in the light of T2K*  
P.O. Ludl, S. Morisi and E. Peinado  
Nuclear Physics B **857** (2012) 411-423 [arXiv:1109.3393]
187. *Fermion masses and mixing with tri-bimaximal in  $SO(10)$  with type-I seesaw*  
G. Blankenburg and S. Morisi  
Journal of High Energy Physics **01** (2012) 016 [arXiv:1109.3396]
188. *Galactic synchrotron emission from WIMPs at radio frequencies*  
N. Fornengo, R.A. Lineros, M. Regis and M. Taoso  
Journal of Cosmology and Astroparticle Physics **01** (2012) 005 [arXiv:1110.4337]
189. *Cosmological Radio Emission induced by WIMP Dark Matter*  
N. Fornengo, R.A. Lineros, M. Regis and M. Taoso  
Journal of Cosmology and Astroparticle Physics **03** (2012) 033 [arXiv:1112.4517]
190. *Main sequence stars with asymmetric dark matter*  
F. Iocco, M. Taoso, F. Leclercq and G. Meynet  
Physical Review Letters **108** (2012) 061301 [arXiv:1201.5387]
191. *Split neutrinos, two Majorana and one Dirac, and implications for leptogenesis, dark matter, and inflation*  
A. Mazumdar and S. Morisi  
Physical Review D **86** (2012) 045031 [arXiv:1201.6189]
192. *Seesaw Scale in the Minimal Renormalizable  $SO(10)$  Grand Unification*  
S. Bertolini, L. Di Luzio and M. Malinsky  
Physical Review D **85** (2012) 095014 [arXiv:1202.0807]

193. *Predicting leptonic CP violation in the light of the Daya Bay result on  $\theta_{13}$*   
D. Meloni, S. Morisi and E. Peinado  
European Physical Journal C **72** (2012) 2160 [arXiv:1203.2535]
194. *Linear collider test of a neutrinoless double beta decay mechanism in left-right symmetric theories*  
J. Barry, L. Doramé and W. Rodejohann  
European Physical Journal C **72** (2012) 2023 [arXiv:1203.3365]
195. *Probing neutralino properties in minimal supergravity with bilinear R-parity violation*  
F. de Campos, O.J.P. Éboli, M.B. Magro, W. Porod, D. Restrepo, S.P. Das, M. Hirsch and J.W.F. Valle  
Physical Review D **86** (2012) 075001 [arXiv:1206.3605]
196. *Bilinear R-parity violation with flavor symmetry*  
F. Bazzocchi, S. Morisi, E. Peinado, J.W.F. Valle and A. Vicente  
Journal of High Energy Physics **01** (2013) 033 [arXiv:1202.1529]
197. *Accidental stability of dark matter*  
L. Lavoura, S. Morisi and J.W.F. Valle  
Journal of High Energy Physics **02** (2013) 118 [arXiv:1205.3442]
198. *Proposal for generalised Supersymmetry Les Houches Accord for see-saw models and PDG numbering scheme*  
L. Basso, A. Belyaev, D. Chowdhury, M. Hirsch, S. Khalil, S. Moretti, B. O'Leary, W. Porod and F. Staub  
Computer Physics Communications **184** (2013) 698-719 [arXiv:1206.4563]
199. *Neutrino masses and mixing: a flavour symmetry roadmap*  
S. Morisi and J.W.F. Valle  
Fortschritte der Physik - Progress of Physics **61** (2013) 466-492 [arXiv:1206.6678]
200. *Status of three-neutrino oscillation parameters*  
M.A. Tórtola  
Fortschritte der Physik - Progress of Physics **61** (2013) 427-440
201. *Supersymmetric type-III seesaw: lepton flavour violation and LHC phenomenology*  
M. Hirsch, W. Porod, F. Staub and C. Wei  
Physical Review D **87** (2013) 013010 [arXiv:1211.0289]
202. *Large neutrino mixing and Abelian flavor symmetry*  
G.-J. Ding, S. Morisi and J.W.F. Valle  
Physical Review D **87** (2013) 053013 [arXiv:1211.6506]
203. *Systematic decomposition of the neutrinoless double beta decay operator*  
F. Bonnet, M. Hirsch, T. Ota and W. Winter  
Journal of High Energy Physics **03** (2013) 055 [arXiv:1212.3045]
204. *Fun with the Abelian Higgs model*  
M. Malinsky  
European Physical Journal C **73** (2013) 2415 [arXiv:1212.4660]
205. *Supersymmetric SO(10) GUTs with sliding scales*  
C. Arbeláez, R.M. Fonseca, M. Hirsch and J.C. Romão  
Physical Review D **87** (2013) 075010 [arXiv:1301.6085]
206. *Quark-Lepton Mass Relation in a Realistic  $A_4$  Extension of the Standard Model*  
S.F. King, S. Morisi, E. Peinado and J.W.F. Valle  
Physics Letters B **724** (2013) 68-72 [arXiv:1301.7065]
207. *Neutrinoless double beta decay and lepton number violation at the LHC*  
J.C. Helo, M. Hirsch, S.G. Kovalenko and H. Päs  
Physical Review D **88** (2013) 016003 [arXiv:1303.0899]

208. *Probing interactions within the dark matter sector via extra radiation contributions*  
U. França, R.A. Lineros, J. Palacio and S. Pastor  
Physical Review D **87** (2013) 123521 [arXiv:1303.1776]
209. *Quark-lepton mass relation and CKM mixing in an  $A_4$  extension of the minimal supersymmetric standard model*  
S. Morisi, M. Nebot, K.M. Patel, E. Peinado and J.W.F. Valle  
Physical Review D **88** (2013) 036001 [arXiv:1303.4394]
210. *Updated CMB, X- and gamma-ray constraints on majoron dark matter*  
M. Lattanzi, S. Riemer-Sorensen, M.A. Tórtola and J.W.F. Valle  
Physical Review D **88** (2013) 063528 [arXiv:1303.4685]
211. *Invisible decays of ultra-high energy neutrinos*  
L. Doramé, O.G. Miranda and J.W.F. Valle  
Frontiers in Physics **1** (2013) 25 [arXiv:1303.4891]
212. *The minimal adjoint-SU(5)  $Z_4$  GUT model*  
D. Emmanuel-Costa, C. Simoes and M.A. Tórtola  
Journal of High Energy Physics **10** (2013) 054 [arXiv:1303.5699]
213. *Reliability of Monte Carlo event generators for gamma ray dark matter searches*  
J.A.R. Cembranos, A. de la Cruz-Dombriz, V. Gammaldi, R.A. Lineros and A.L. Maroto  
Journal of High Energy Physics **09** (2013) 077 [arXiv:1305.2124]
214. *Neutrino mixing with revamped  $A_4$*   
S. Morisi, D.V. Forero, J.C. Romão and J.W.F. Valle  
Physical Review D **88** (2013) 016003 [arXiv:1305.6774]
215. *Short-range mechanisms of neutrinoless double beta decay at the LHC*  
J.C. Helo, M. Hirsch, H. Päs and S.G. Kovalenko  
Physical Review D **88** (2013) 073011 [arXiv:1307.4849]
216. *WIMP dark matter as radiative neutrino mass messenger*  
M. Hirsch, R.A. Lineros, S. Morisi, J. Palacio, N. Rojas and J.W.F. Valle  
Journal of High Energy Physics **10** (2013) 149 [arXiv:1307.8134]
217. *Planck-scale effects on WIMP dark matter*  
S.M. Boucenna, R.A. Lineros and J.W.F. Valle  
Frontiers in Physics **1** (2014) 34 [arXiv:1204.2576]
218. *Dirac neutrinos from flavor symmetry*  
A. Aranda, C. Bonilla, S. Morisi, E. Peinado and J.W.F. Valle  
Physical Review D **89** (2014) 033001 [arXiv:1307.3553]
219. *Is charged lepton flavor violation a high energy phenomenon?*  
F.F. Deppisch, N. Desai and J.W.F. Valle  
Physical Review D **89** (2014) 051302 [arXiv:1308.6789]
220. *Wittens mechanism in the flipped SU(5) unification*  
C. Arbeláez, H. Kolesova and M. Malinsky  
Physical Review D **89** (2014) 055003 [arXiv:1309.6743]
221. *Theories relating baryon asymmetry and dark matter*  
S.M. Boucenna and S. Morisi  
Frontiers in Physics **1** (2014) 33 [arXiv:1310.1904]
222. *LHC-scale left-right symmetry and unification*  
C. Arbeláez, M. Hirsch, M. Malinsky and J.C. Romão  
Physical Review D **89** (2014) 035002 [arXiv:1311.3228]

223. *Heavy neutrino searches at the LHC with displaced vertices*  
J.C. Helo, M. Hirsch and S.G. Kovalenko  
Physical Review D **89** (2014) 073005 [arXiv:1312.2900]
224. *Falsifying High-Scale Leptogenesis at the LHC*  
F.F. Deppisch, J. Harz and M. Hirsch  
Physical Review Letters **112** (2014) 221601 [arXiv:1312.4447]
225. *The isotropic radio background revisited*  
N. Fornengo, R.A. Lineros, M. Regis and M. Taoso  
Journal of Cosmology and Astroparticle Physics **04** (2014) 008 [arXiv:1402.2218]
226. *Interpretation of AMS-02 electrons and positrons data*  
M. Di Mauro, F. Donato, N. Fornengo, R.A. Lineros and A. Vittino  
Journal of Cosmology and Astroparticle Physics **04** (2014) 006 [arXiv:1402.0321]
227. *Neutrino cosmology and Planck*  
J. Lesgourgues and S. Pastor  
New Journal of Physics **16** (2014) 065002 [arXiv:1404.1740]
228. *Inflation and majoron dark matter in the neutrino seesaw mechanism*  
S.M. Boucenna, S. Morisi, Q. Shafi and J.W.F. Valle  
Physical Review D **90** (2014) 055023 [arXiv:1404.3198]
229. *The low-scale approach to neutrino masses*  
S.M. Boucenna, S. Morisi and J.W.F. Valle  
Advances in High Energy Physics **2014** (2014) 831598 [arXiv:1404.3751]
230. *Radiative neutrino mass in 3-3-1 scheme*  
S.M. Boucenna, S. Morisi and J.W.F. Valle  
Physical Review D **90** (2014) 013005 [arXiv:1405.2332]
231. *Classification of lepton mixing matrices from residual symmetries*  
R.M. Fonseca and W. Grimus  
Journal of High Energy Physics **09** (2014) 033 [arXiv:1405.3678]
232. *Leptogenesis with a dynamical seesaw scale*  
D. Aristizábal Sierra, M.A. Tórtola, J.W.F. Valle and A. Vicente  
Journal of Cosmology and Astroparticle Physics **07** (2014) 052 [arXiv:1405.4706]
233. *Connecting neutrino physics with dark matter*  
M. Lattanzi, R.A. Lineros and M. Taoso  
New Journal of Physics, in press (2014) [arXiv:1406.0004]