

## AHEP PUBLICATIONS (2008-2017)

(excluding proceedings)

1. *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]
2. *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]
3. *Variations on leptogenesis*  
D. Aristizábal Sierra, M. Losada and E. Nardi  
Physics Letters B **659** (2008) 328-335 [arXiv:0705.1489]
4. *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]
5. *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]
6. *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]
7. *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]
8. *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]
9. *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]
10. *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]
11. *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]
12. *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]
13. *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]
14. *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]

15. *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]
16. *Leptoquarks: Neutrino masses and accelerator phenomenology*  
D. Aristizábal, M. Hirsch and S.G. Kovalenko  
Physical Review D **77** (2008) 055011 [arXiv:0710.5699]
17. *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]
18. *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]
19. *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]
20. *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]
21. *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]
22. *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]
23. *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]
24. *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]
25. *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]
26. *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]
27. *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]
28. *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]
29. *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]

30. *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]
31. *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]
32. *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]
33. *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]
34. *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]
35. *Working group report: Neutrino Physics*  
S. Choubey et al [includes M. Hirsch]  
Pramana - Journal of Physics **72** (2009) 269-275
36. *The neutrino mass matrix and (selected) variants of  $A_4$*   
M. Hirsch  
Pramana - Journal of Physics **72** (2009) 183-193
37. *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]
38. *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]
39. *Relic density of neutrinos with primordial asymmetries*  
S. Pastor, T. Pinto and G.G. Raffelt  
Physical Review Letters **102** (2009) 241302 [arXiv:0808.3137]
40. *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]
41. *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]
42. *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]
43. *Modelling tri-bimaximal neutrino mixing*  
M. Hirsch, S. Morisi and J.W.F. Valle  
Physical Review D **79** (2009) 016001 [arXiv:0810.0121]
44.  *$S_4$  as a natural flavor symmetry for lepton mixing*  
F. Bazzocchi and S. Morisi  
Physical Review D **80** (2009) 096005 [arXiv:0811.0345]

45. *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]
46. *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]
47. *Tri-Bimaximal lepton mixing with  $A_4 \times (Z_2)^3$*   
S. Morisi  
Physical Review D **79** (2009) 033008 [arXiv:0901.1080]
48. *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]
49. *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]
50. *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]
51. *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]
52. *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]
53. *Sensitivity on Earth Core and Mantle densities using Atmospheric Neutrinos*  
E. Borriello, G. Mangano, A. Marotta, G. Miele, P. Migliozzi, C.A. Moura, S. Pastor, O. Pisanti and P.E. Strolin  
Journal of Cosmology and Astroparticle Physics **06** (2009) 030 [arXiv:0904.0796]
54. *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]
55.  *$A_4$ -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]
56. *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]
57. *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]
58. *Constraining nonstandard neutrino-quark interactions with solar, reactor and accelerator data*  
F.J. Escrihuela, O.G. Miranda, M.A. Tórtola and J.W.F. Valle  
Physical Review D **80** (2009) 105009 [arXiv:0907.2630]
59. *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]

60. *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]
61. *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]
62. *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]
63. *An  $A_4$  model for lepton masses and mixings*  
S. Morisi and E. Peinado  
Physical Review D **80** (2009) 113011 [arXiv:0910.4389]
64. *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]
65. *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]
66. *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]
67. *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]
68. *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]
69.  *$S_4$  model for quarks and leptons with maximal atmospheric angle*  
S. Morisi and E. Peinado  
Physical Review D **81** (2010) 085015 [arXiv:1001.2265]
70. *Spin Discrimination in Three-Body Decays*  
L. Edelhäuser, W. Porod, R.K. Singh  
Journal of High Energy Physics **08** (2010) 053 [arXiv:1005.3720]
71. *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]
72. *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]
73. *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]

74. *Discrete dark matter*

M. Hirsch, S. Morisi, E. Peinado and J.W.F. Valle  
Physical Review D **82** (2010) 116003 [arXiv:1007.0871]

75.  *$A_4$ -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]

76. *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]

77. *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]

78. *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]

79. *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]

80. *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]

81. *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]

82. *CP-violating Supersymmetric Higgs at the Tevatron and LHC*

S.P. Das and M. Drees  
Physical Review D **83** (2011) 035003 [arXiv:1010.3701]

83. *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]

84. *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]

85. *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]

86. *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]

87. *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]

88. *Phenomenology of Dark Matter from  $A_4$  Flavor Symmetry*

S.M. 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]

89. *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]
90. *Global constraints on muon-neutrino non-standard interactions*  
F.J. Escrivuela, O.G. Miranda, M.A. Tórtola and J.W.F. Valle  
Physical Review D **83** (2011) 093002 [arXiv:1103.1366]
91. *Relating quarks and leptons without grand-unification*  
S. Morisi, E. Peinado, Y. Shimizu and J.W.F. Valle  
Physical Review D **84** (2011) 036003 [arXiv:1104.1633]
92. *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]
93. *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]
94. *Constraining nonstandard neutrino interactions with electrons*  
D.V. Forero and M.M. Guzzo  
Physical Review D **84** (2011) 013002
95. *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]
96. *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]
97. *Direct and Indirect Singlet Scalar Dark Matter Detection in the Lepton-Specific two-Higgs-doublet Model*  
S.M. Boucenna and S. Profumo  
Physical Review D **84** (2011) 055011 [arXiv:1106.3368]
98. *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]
99. *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]
100. *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]
101. *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]
102. *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]

103. *Symmetrical Parametrizations of the Lepton Mixing Matrix*  
W. Rodejohann and J.W.F. Valle  
Physical Review D **84** (2011) 073011 [arXiv:1108.3484]
104. *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]
105. *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]
106. *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]
107. *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]
108. *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]
109. *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]
110. *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]
111. *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]
112. *Supersymmetric mass spectra and the seesaw type-I scale*  
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