

Publication List (– December 2015)

1. “Quark and lepton mass matrix model with only six family-independent parameters”,
Yoshio Koide, Hiroyuki Nishiura, Phys. Rev. D, **D 92**, 111301(R)1-6 (2015).
2. “Family gauge boson production at the LHC”,
Yoshio Koide, Masato Yamanaka and Hiroshi Yokoya, Phys. Lett. B, **750**, 384-389 (2015).
3. “Family gauge boson mass estimated from $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ ”,
Yoshio Koide, Phys. Rev. D, **D 92**, 036009-1 - 036009-5 (2015).
4. “Can family gauge bosons be visible by terrestrial experiments?”,
Yoshio Koide, JPS Conf. Proc. , 010009-010013 (2015).
5. “Origin of hierarchical structures of of quark and lepton mass matrices”,
Yoshio Koide, Hiroyuki Nishiura, Phys. Rev. D, **D 91**, 116002-1-10 (2015).
6. “Phenomenology of harmless family gauge bosons to K^0 - \bar{K}^0 mixing”,
Yoshio Koide, Int.J.Mod.Phys. A **30** 1550017-1550029 (2015).
7. “Hint of family gauge bosons with an inverted mass hierarchy from the observed tau decays”,
Yoshio Koide, Nucl.Phys. B (Proc.Suppl.) 253-255, 218-219 (2014).
8. “Spectroscopy of family gauge bosons”,
Yoshio Koide, Phys. Lett. B, **736**, 499 - 505 (2014).
9. “Universal bilinear form of quark and lepton mass matrices”,
Yoshio Koide, Hiroyuki Nishiura, Phys. Rev. D, **90**, 016009-1-10 (2014).
10. “Leptonic CP violating phase in the Yukawaon model”,
Yoshio Koide, and Hiroyuki Nishiura, Phys. Rev. D, **90**, 117903-1-5 (2014).
11. “Effective valence quark model and a possible dip in $dBr(B \rightarrow K \ell \bar{\ell})/dq^2$ ”,
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12. “Yukawaon model with anomaly free set of quarks and leptons in a $U(3)$ family symmetry”,
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13. “Neutrino mass matrix model with a bilinear form”,
Yoshio Koide and Hiroyuki Nishiura, J. High Ener. Phys. **04**, 166-1 - 166-13 (2013).
14. “Can mass of the lightest family gauge boson be of the order of TeV?”,
Yoshio Koide, Phys. Rev. D **87**, 016016-1-016016-7 (2013).

15. “Large θ_{13} and unified description of quark and lepton mixing matrices”,
Yoshio Koide and Hiroyuki Nishiura, Eur. Phys. J. C **73**, 2277-1-2277-7 (2013).
16. “Can mass of the lightest family gauge boson be of the order of TeV?”,
Yoshio Koide, Phys. Rev. D **87**, 016016 (2013),
17. “Large θ_{13} and unified description of quark and lepton mixing matrices”,
Yoshio Koide and Hiroyuki Nishiura, Europ. Phys. J., C **73**, 2277 (2013),
18. “Family gauge bosons with an inverted mass hierarchy”,
Yoshio Koide and Toshifumi Yamashita, Phys. Lett., B **711**, 384 - 398 (2012),
19. “Yukawaon model with $U(3) \times S_3$ family symmetries”,
Yoshio Koide and Hiroyuki Nishiura, Phys. Lett. B **712**, 396 - 400 (2012),
20. “Neutrino mass matrix with no adjustable parameters”,
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21. “SU(5)-compatible yukawaon model”,
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22. “Yukawaon model with $U(3) \times O(3)$ family symmetries”,
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23. “Unified description of quark and lepton mixing matrices based on a Yukawaon model”,
Hiroyuki Nishiura and Yoshio Koide, Phys. Rev. D **83**, 035010-1-035010-8 (2011).
24. “Tests of a family gauge symmetry model at 10^3 TeV scale”,
Yoshio Koide, Yukinari Sumino and Masato Yamanaka, Phys. Lett. B **695**, 274-284 (2011).
25. “How can CP violation in the neutrino sector be large in a $2 \leftrightarrow 3$ symmetric model?”,
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26. “Charged lepton mass spectrum and a scalar potential model”,
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27. “Can massless and light yukawaons be harmless?”,
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28. “Yukawaon approach to the Sumino relation for charged lepton masses”,
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29. “Charged lepton mass relations in a supersymmetric Yukawaon model”,
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30. “Phenomenological meaning of a neutrino mass matrix related to up-quark masses”,
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31. “An empirical neutrino mass matrix related to up-quark masses”,
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33. “Neutrino mass hierarchies in a mass matrix form versus its inverse form”,
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34. “O(3) flavor symmetry and an empirical neutrino mass matrix”,
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35. “How to Evade a No-Go Theorem in Flavor Symmetries”,
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36. “ F -term induced flavor mass spectrum”,
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37. “U(3)-flavor nonet scalar as an origin of the flavor mass spectra”,
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38. “Neutrino mixing based on mass matrices with a $2 \leftrightarrow 3$ symmetry”,
Yoshio Koide and Eiichi Takasugi, Phys. Rev. **D 77**, 016006-01- 016006-07 (2008).
39. “New origin of a bilinear mass matrix form”,
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40. “ A_4 symmetry and lepton masses and mixings”,
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41. “ S_4 flavor symmetry embedded into SU(3) and lepton masses and mixing”,
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42. . “Charged Lepton Mass Formula – Development and Prospect –”,
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43. “Tribimaximal neutrino mixing and a relation between neutrino- and charged lepton-mass spectra”,
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44. “ S_3 symmetry and neutrino masses and mixings”,
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45. “Shape of the unitary triangle and phase conventions of the CKM matrix”,
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46. “Seesaw mass matrix model of quarks and leptons with flavor-triplet Higgs scalars”,
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48. “What happens if an unbroken flavor symmetry exists?”,
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50. “Universal texture of quark and lepton mass matrices with an extended flavor $2 \leftrightarrow 3$ symmetry”,
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51. “Neutrino masses without seesaw mechanism in a SUSY SU(5) Model with Additional $5' + 5'$ Model ” ,
Yoshio Koide, ICHEP 2004, 328-331, (2004), an invited talk at 32nd International Conference on High Energy Physics, 2004, Beijing, Republic China.