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Leptons in Holographic Composite Higgs Models with Non-Abelian Discrete Symmetries

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Non-Abelian Discrete Symmetries based on the group S4 are introduced in the lepton sector of Holographic Composite Higgs Models. The pattern of the neutrino mass mixing is naturally reproduced and the bounds on tree-level and radiative charged lepton decays are considerably alleviated. We explicitly show all these features in an explicit and very simple (with almost no free parameters!) 5D model in warped space.

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