

# A viable model with extended scalar sector for neutrino, dark matter and EW baryogenesis

*Tuesday 22 October 2024 15:20 (20 minutes)*

I would like to introduce a viable model with extended scalar sector which can explain neutrino mass, dark matter and baryon asymmetry of the Universe simultaneously, in the framework of radiative seesaw mechanism, WIMP dark matter and EW baryogenesis. We then discuss phenomenology of this model from all angles. After showing some benchmark points which can satisfy current experimental constraints, we discuss to test the model at various future experiments, such as EDM measurements, various flavor experiments, LHC and HL-LHC, future lepton colliders, gravitational wave observation, primordial blackhole searches etc.

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**Session Classification:** Contributed Talks