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## Search for Heavy Neutral Leptons in ATLAS and DUNE Experiment

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Extensions of the SM have been suggested to solve questions of the modern particle physics like the origin of the neutrino masses, one of this extensions is the neutrino Minimal SM ( $\nu MSM$ ). In the  $\nu MSM$  every left-handed fermion has a right-handed counterpart, that can be responsible for neutrino masses, dark matter and baryogenesis. In this talk a summary of the searches for HNL in the ATLAS experiment and DUNE is presented.

**Author:** Dr MORENO LOPEZ, Deywis (Universidad Antonio Narino (CO))

**Presenter:** Dr MORENO LOPEZ, Deywis (Universidad Antonio Narino (CO))

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