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Verifiable Origin of Neutrino Masses and Ultra High Energy Astrophysical Neutrinos

In this talk, we discuss the possible common origin of small neutrino masses and the source of ultra high energy astrophysical neutrinos detected in neutrino telescope experiments, such as ICECUBE and KM3NeT. This is done in the framework of the dark matter model. The correlation between neutrino mass parameters, dark matter mass, and neutrino's ultra high energy and flux are studied. The relevant constraints are discussed.

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