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Neutrino Portal in the Icecube Data

A scenario will be presented in which a hidden sector is coupled to the Standard Model fields via neutrino mixing. Phenomenological implications of, and constraints on, this framework will be discussed. Collider experiments, rare meson decays, and recent CMB measurements from Planck will be analyzed. The recent Icecube data will be shown to give the best bounds.

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Track Classification: Theory / Phenomenology