

Dark matter, sterile neutrinos and IceCube neutrino events

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I shall discuss a scenario which can explain the shape and flavor content of very high energy neutrinos observed recently by IceCube collaboration. It works as follows: dark matter decay produces very high energy sterile neutrinos, with energies order PeV, which then oscillate into active neutrinos with proper oscillation probabilities, producing VHE neutrinos with specific spectrum.

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