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Low-Energy Atmospheric Neutrino Oscillations

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Neutrino oscillation physics is a rich phenomenon, especially when any of the following is true: the neutrinos have low energy, the travel distance is large, and interactions with matter are significant along the path of propagation. All three of these criteria are met in low-energy atmospheric neutrino oscillations. I will demonstrate how this class of oscillations is exciting for several applications, and discuss which next-generations are best suited to exploit such measurements.

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