

Pions as a path to neutrino oscillations

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The new neutrino beamlines under construction at Fermilab will run at energies producing many single-pion producing interactions at the corresponding detectors. The detectors themselves will facilitate the detection and reconstruction of this kind of interactions.

We try to examine if this “extra signal” can be used to accelerate the determination of oscillation parameters, and, mainly, how the experiments need to prepare for this kind of analysis.

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