

Irreducible Cross-Section Uncertainties for Electron Neutrino Appearance?

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The usual strategy for controlling systematic uncertainties due to neutrino interactions in oscillation experiments is to use the same beam, or data from other experiments, to constrain those uncertainties. In this brief discussion, I point out a few limitations in this technique that may be problematic for oscillation physics in the high precision era, and I will suggest some possible remedies.

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