

Challenges of Neutrino-Nucleus Scattering

Friday, July 27, 2018 11:45 AM (30 minutes)

Plans are well underway in Japan and the US to measure neutrino mixing angles with unprecedented precision and search for CP-violating phases in the mixing. An important systematic/theory uncertainty will be that of the neutrino-nucleus cross section. In this talk I illustrate how lattice QCD calculations (combined with nuclear many-body theory and experimental data) can reduce the uncertainty on the oscillation parameters.

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