



Contribution ID: 89

Type: **Fermilab open session**

DUNE Neutrino Event Generators

Wednesday, 22 March 2023 16:35 (5 minutes)

The DUNE collaboration found that the current theoretical uncertainty on neutrino cross sections and modeling of final states would substantially degrade the sensitivity to CP violation and the mass hierarchy in their measurements. Currently, the uncertainties are estimated to be between 5 and 10%. Disagreements between event generator predictions are even larger. We will discuss the need for the continued development of neutrino event generators and nuclear theory calculations for the success of DUNE.

Please select if remarks will be in person or on zoom

In person

Do you describe your self as early career?

yes

Please add details of experiment/project that this abstract corresponds to?

DUNE

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Session Classification: Open Session for remarks