



Contribution ID: 67

Type: **Plenary Presentation**

Tau Polarization and Correlated Decays in Neutrino Experiments

Thursday 7 December 2023 14:30 (20 minutes)

We present the first fully differential predictions for tau neutrino scattering in the energy region relevant to the DUNE experiment, including all spin correlations and all tau lepton decay channels. The calculation is performed using a generic interface between the neutrino event generator Achilles and the publicly available, general-purpose collider event simulation framework Sherpa.

Name of collaboration or list of co-authors

Listed above

Primary author: ISAACSON, Joshua

Co-authors: SIEGERT, Frank (Technische Universitaet Dresden (DE)); WANG, Sherry; HOECHE, Stefan (Fermilab)

Presenter: ISAACSON, Joshua

Session Classification: Thursday after lunch