

The primary proton vertices reconstruction in the DsTau(NA65) experiment

Monday 30 October 2023 14:20 (15 minutes)

The NA65 (DsTau) experiment uses a direct way to study the tau neutrino production from Ds decay, produced in high-energy proton-nuclear interactions. For registering such short lived particles, nuclear emulsion tracking detectors are used, capable of distinguishing events, despite of a high density of $10^5 - 10^6$ particles/cm².

The present report shows the first results of the pilot run analysis, especially the reconstruction of the primary proton interactions in the detector.

Primary author: MILOI, Madalina Mihaela (Joint Institute for Nuclear Research , University of Bucharest-Faculty of Physics)

Presenter: MILOI, Madalina Mihaela (Joint Institute for Nuclear Research , University of Bucharest-Faculty of Physics)

Session Classification: High Energy Physics

Track Classification: High Energy Physics