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LArSoft Framework A Simulation Tool in DUNE

Saturday 30 September 2023 09:00 (1 hour)

In this talk we are going to give a brief tutorial about LArSoft and its main functionalities as a tool in the simulation and reconstruction of different phenomena across liquid Argon time projection chambers used in neutrino experiments like DUNE. The main objective of this talk is to allow the public to know with hang-on examples how a LArSoft simulation is done in DUNE with special focus in the photon simulation module at the same time the ROOT framework is used for the visualization of the simulation results. Finally, the broad context of application of LArSoft in the DUNE experiment is presented.

Authors: MORENO, DEYWIS;   TAMARA JARAMILLO, JOSE DAVID (Universidad Antonio Nariño)

Presenter: TAMARA JARAMILLO, JOSE DAVID (Universidad Antonio Nariño)