

XeSAT2022 - International Workshop on Applications of Noble Gas Xenon to Science and Technology



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DUNE Experiment and Large Volume LAr Detectors

The Deep Underground Neutrino Experiment (DUNE) is an international world-class experiment dedicated to addressing mysteries at the forefront of neutrino physics. A new neutrino beamline at Fermilab will deliver the world's most intense neutrino beam to the near and far detectors. Massive Liquid Argon TPCs are used at the near and far sites to detect neutrinos and perform neutrino oscillation measurements. A multi-purpose near detector complex will further provide a rich ancillary science program for the DUNE utilizing the high intensity neutrino beam. This talk will focus on the Liquid Argon detector technologies used in both the FD and the ND-LAr detectors.

Auteur: PARSA, Saba (University of Bern)

Orateur: PARSA, Saba (University of Bern)

Classification de Session: Argon based experiments session, chair Cristina Monteiro