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Physics perspectives at the ion-muon collider

Thursday, 29 May 2025 11:30 (30 minutes)

Muon dipole moments (magnetic and electric): theory, experiments and future perspectives

Charged lepton flavor violation: theory, experiment and future perspectives

New Physics opportunities with low and high energy muon beams

Neutrino physics with muon beams: theory, experiments and future perspectives

Muons beams technologies: production, cooling and acceleration at different energy

Advancements in Muon-based Facilities and Broader Applications

Muons in other fields: muography, muon spin spectroscopy, muon-catalyzed fusion

Presenter: Prof. ACOSTA, Darin

Session Classification: New Physics opportunities with low and high energy muon beams