



Pion event in the ProtoDUNE at CERN

Outline

- Introduction to neutrinos
- Next generation of oscillation experiments
- Neutrino properties: mass and Majorana/Dirac nature
- Anomalies/Sterile Neutrino Search
- Large neutrino telescopes
- New techniques
- **Neutrino experiments at the LHC**
- Summary

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From Astrophysics (dark matter) and Particle Physics (dark energy) to New Energies (e.g. Nuclear, Biofuels, H2) revolution, from advanced manufacturing, 4/5G technologies, photonics, interconnects to High Performance Computing in AI and Quantum Technologies

August 28 to September 09, 2023
 Universidade de São Paulo, USP
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Financial Support
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