

Session Program

29 November 2021 to 3 December 2021



6th ComHEP: Colombian Meeting on High Energy Physics

Neutrinos - Experimental

Tuesday 30 November

14:00

Neutrinos - Experimental

Session | **Conveners:** Mario A Acero, David Vanegas Forero, Enrique Arrieta Diaz

14:00–14:30 Latest T2K Results

Speaker

Kendall Mahn

14:30–15:00 Latest NOvA oscillation results

Speaker

Patricia Vahle

15:00–15:30 SB neutrino program

Speakers

Minerba Betancourt, Minerba Betancourt

15:30–16:00 Neutrino Cross Sections

Speaker

Jonathan Paley

16:00–16:15 Break

16:15–16:35 Status and Physics Prospects of the JUNO Experiment

Speakers

Dr Bei-Zhen Hu, JUNO Collaboration

16:35–16:55

Improved Inverse Beta Decay event selection and its impact on the PROSPECT oscillation analysis

Speaker

Diego Venegas Vargas

16:55–17:15 Earth Tomography with Atmospheric Neutrinos in DUNE

Speaker

Yuber Perez

17:15–17:35 Quenching factor for low energy nuclear recoils in Si and Ge

Speaker

Youssef Sarkis Mobarak

17:35–17:55

TauRunner: A Monte Carlo for Ultra-High Energy Neutrino Propagation

Speaker

Ibrahim Safa

17:55–18:15 The Scattering and Neutrino Detector at the LHC

Speaker

Simona Ilieva Ilieva

18:15–18:35

Latest results from the CUORE experiment

Speakers

Dr Mattia Beretta, CUORE Collaboration

18:35–18:40

TAMBO: Hunting Astrophysical tau neutrinos in the Andes

Speaker

Pavel Zhelnin

18:45