

Session Program

30 November 2020 to 4 December 2020



5th ComHEP: Colombian Meeting on High Energy Physics

Common Session

Thursday 3 December

14:00

Common Session

Session | **Location:** | **Conveners:** Gabriela Alejandra Navarro, Mario A Acero

14:00-14:20 **QMexico - Latin America's role in the second quantum revolution**

Speakers

Andrea Delgado, Andrea Delgado

14:20-14:40 **LA-CoNGA Physics**

Speaker

Luis A. Núñez

14:40-14:50 **Las fronteras inexistentes entre el arte y la ciencia**

Speaker

Daniela Brill

14:50-15:00 **Proyectos Suratómica**

Speakers

Carlos Rivera, Margareth Arias

15:00-15:05 **Search for Long-Lived Heavy Neutrinos at the LHC with a VBF Trigger**

Speaker

JOAQUIN MASIAS TEVES

15:05-15:10 **Search for new physics in the final state of $Z\tau$, Zb , $Z\nu$**

Speaker

Tomas Atehortua Garces

15:10-15:15 **Z' to $t\bar{t}b$ in the single lepton-final state with Atlas Open Data**

Speakers

Nicolas Gomez Cruz, Sebastian Ordonez

15:15-15:20

Simulation of a Water Cherenkov Detector Response to the Background of Cosmic Rays at Pamplona Norte de Santander altitude (2300 m a.s.l.) for the LAGO Collaboration

Speaker

Heidar Marcel Parada Villamizar

15:20-15:25

Characterization of the signal produced by muons into one Water Cherenkov Detectors of the LAGO Observatory

Speaker

Mr YORLAN PEREZ CUEVAS

15:25-15:30

Estimation of energy levels for cosmic rays affected during a Forbush decrease from data from the LAGO Observatory

Speaker

Karoll Michely Parada Jaime

15:30-15:35 Large extra dimension at JUNO**Speaker**

Victor Basto-Gonzalez

15:35-15:40 K-matrix formalism in light-meson spectroscopy**Speakers**

Sebastian Ordonez, Prof. Diego Milanés

15:40-15:45**SpaceMath version 1.0: A Mathematica package for beyond the standard model parameter space searches.****Speaker**

Marco Antonio Arroyo Ureña

15:45-15:50 Matriz de mezcla de neutrinos en el marco de la simetría μ - τ **Speaker**

David Cardona

15:50-15:55**Three level FCNC from Models with a flavored Peccei-Quinn Symmetry****Speaker**

Prof. Yithsbey Giraldo

15:55-16:00**Correlación Energía-Energía en Electrodinámica Cuántica Supersimétrica****Speaker**

Alexander Gamboa

16:00