

Session Program

2-6 Dec 2019



4th ComHEP: Colombian Meeting on High Energy Physics (Barranquilla, Colombia)

Poster session

Centro Cultural, Universidad del Atlántico, Teatrino 1
Universidad del Atlántico Carrera 30 No. 8-49 Puerto Colombia, Atlántico

Tuesday 3 December

16:00

Poster session

Session |

Location: Centro Cultural, Universidad del Atlántico, Teatrino 1, Universidad del Atlántico Carrera 30 No. 8-49 Puerto Colombia, Atlántico

16:00-16:05

Dark matter in Inert Doublet Model with one scalar singlet and $U(1)_X$ gauge symmetry

Speaker

Marco Antonio Arroyo Ureña

16:05-16:10

Dependence of the Z-production via ep-DIS on the choice of the parameter Q^2 involved in the PDF's

Speaker

Wendy Carolina Gonzalez Olivares

16:10-16:15

Flavor changing neutral currents beyond the Standard Model

Speaker

Ricardo Gaitan Lozano

16:15-16:20

Study of IceCube high energy neutrinos excess using unstable dark matter

Speaker

Jessica Lopez

16:20-16:25

Majoron contribution to the invisible Higgs decays

Speaker

Moises Zeleny Mora

16:25-16:30

Low Energy Theorems and the Higgs boson.

Speaker

Roberto García

16:30-16:35

Comparisson between a muon and a high energy tau particle as seen on IceCube detector array

Speaker

Santiago Pena-Martinez

16:35-16:40

The 3-3-1 economical model with right-handed neutrinos using SARAH tool

Speaker

Mr Richard Benavides

16:40-16:45

Non Abelian SQED4 in the null-plane gauge

Speaker

Mr German Ramos

16:45-16:50 **S.Q.E.D.2 on the null plane using Faddeev-Jackiw quantization**

Speaker

Mr German Ramos

16:50-16:55 **INFLATION MODELS AND ITS IMPLICATIONS**

Speaker

Daniel Fernando Pulido Guzmán

16:55-17:00 **Neutrino oscillations in perspective, what do we know?**

Speaker

Paula Fonseca

17:00-17:05

THE ANOMALOUS MAGNETIC MOMENT OF THE MUON $g - 2$ IN THE STANDARD MODEL AND IN SOME OF ITS EXTENSIONS

Speaker

Santiago Ballesteros Barrera

17:05-17:10 **ELECTROMAGNETIC PROPERTIES OF THE "GHOST PARTICLE".**

Speaker

YHARON ANDRES JUNCA MOLANO

17:10-17:15

Estudio de la sensibilidad de la violación de simetría CP en los decaimientos $+ y -$

Speaker

Mr Andres Aponte

17:15-17:20

An approach to Dirac neutrino masses through the use of texture zeros

Speaker

Prof. Yithsbey Lucas Giraldo Usuga

17:20-17:25

Superconformal invariance on finite supersymmetric grand unification theories

Speaker

Mr Luis Enrique Reyes Rodríguez

17:25-17:30

The implementation of the Type III seesaw mechanism for neutrino masses in the context 2HDM

Speaker

Mr Julian Steven Gutierrez

17:30-17:35

CHARACTERIZATION OF PLANAR SENSORS BONDED TO RD53A READOUT CHIP FOR CMS PHASE 2 INNER TRACKER SYSTEM

Speaker

Alvaro Javier Guerrero Laos

17:35-17:40

Charm baryon spectroscopy with D_0^p and D^+p final states at LHCb experiment

Speaker

Ignacio Alberto Monroy Canon

17:40-17:45

Measurement of the fragmentation fraction ratio f_s/f_u **Speaker**

Mr Diego Alexander Hernandez Castrillon

17:45-17:50

Alcance del modelo isobar en la desintegración de 3 cuerpos**Speaker**

Mr Juan Sebastian Ordoñez Soto

17:50-17:55

Leptonic Decay of meson D**Speaker**

Leidy Matilde Portilla Mantilla

17:55-18:00

CP sensitivity Dalitz plot analysis of the decay $B^2K_sK^0$ **Speaker**

Rafael David Nunez Palacio

18:00-18:05

Massive neutrinos and fermion mass hierarchy in a non-universal $U(1)_X$ extension with an invisible axion**Speaker**

Yadir Garnica

19:00