

1st ComHEP: Colombian Meeting on High Energy Physics



Report of Contributions

Contribution ID: 3

Type: **not specified**

CP Violation

Thursday, December 1, 2016 9:00 AM (1 hour)

Summary

Presenter: RAMIREZ, Carlos (Universidad de los Andes)

Contribution ID: 4

Type: **not specified**

SUSY searches at the LHC

Wednesday, November 30, 2016 10:30 AM (1 hour)

Summary

Presenter: GURROLA, Alfredo (Vanderbilt University (US))

Contribution ID: 9

Type: **not specified**

Particle Dark Matter, New Physics from the Skies

Thursday, December 1, 2016 10:30 AM (1 hour)

Particle Dark Matter, New Physics from the Skies

Summary

Primary author: IOCCO, Fabio (ICTP-SAIFR)

Presenter: IOCCO, Fabio (ICTP-SAIFR)

Contribution ID: 11

Type: **not specified**

Super-horizon growth of adiabatic perturbations in single field inflationary models

Tuesday, November 29, 2016 10:30 AM (1 hour)

Summary

Presenter: ENEA ROMANO, Antonio

Contribution ID: 13

Type: **not specified**

Electroweak model and constraints on new physics

Monday, November 28, 2016 9:00 AM (1 hour)

Primary author: ERLER, Jens (IF-UNAM)

Presenter: ERLER, Jens (IF-UNAM)

Contribution ID: 14

Type: **not specified**

SM: exp. status

Monday, November 28, 2016 10:30 AM (1 hour)

Universidad Antonio Nariño, Colombia - ATLAS Experiment

Primary author: MORENO LOPEZ, Deywis (Universidad Antonio Narino (CO))

Presenter: MORENO LOPEZ, Deywis (Universidad Antonio Narino (CO))

Contribution ID: 15

Type: **not specified**

Higgs physics results

Monday, November 28, 2016 2:20 PM (1 hour)

Universidad de los Andes, Colombia - CMS Experiment

Primary author: AVILA BERNAL, Carlos (Universidad de los Andes (CO))

Presenter: AVILA BERNAL, Carlos (Universidad de los Andes (CO))

Contribution ID: 16

Type: **not specified**

Nonperturbative Continuum Quantum Chromodynamics in the Era of New Hadron- and Flavor-Physics Facilities

Tuesday, November 29, 2016 9:00 AM (1 hour)

Universidade Cruzeiro do Sul, Brazil

Primary author: Prof. EL-BENNICH, Bruno (Universidade Cruzeiro do Sul)

Presenter: Prof. EL-BENNICH, Bruno (Universidade Cruzeiro do Sul)

Contribution ID: 17

Type: **not specified**

Results in Experimental Heavy Flavor Physics and CP violation

Tuesday, November 29, 2016 4:40 PM (1 hour)

Centro Brasileiro de Pesquisas Físicas CBPF-, Brazil

Summary

Primary author: CORREA DOS REIS, Alberto (CBPF - Centro Brasileiro de Pesquisas Físicas (CBPF))

Presenter: CORREA DOS REIS, Alberto (CBPF - Centro Brasileiro de Pesquisas Físicas (CBPF))

Contribution ID: **18**

Type: **not specified**

Neutrino Physics with NOvA

Tuesday, November 29, 2016 2:20 PM (1 hour)

Southern Methodist University, U.S. - NOvA experiment

Primary author: ARRIETA DIAZ, Enrique (Southern Methodist University)

Presenter: ARRIETA DIAZ, Enrique (Southern Methodist University)

Contribution ID: **19**

Type: **not specified**

Dark Matter and the Hidden Sector

Wednesday, November 30, 2016 11:30 AM (1 hour)

King's College London, UK - ICTP, Italy

Primary author: ACHARYA, Bobby (Unknown)

Presenter: ACHARYA, Bobby (Unknown)

Contribution ID: **20**

Type: **not specified**

Neutrino Physics - Present and Future

Thursday, December 1, 2016 2:20 PM (1 hour)

Northwestern University, U.S.

Primary author: DE GOUVEA, Andre (Unknown)

Presenter: DE GOUVEA, Andre (Unknown)

Contribution ID: 21

Type: **not specified**

Recent Results of the Alpha Magnetic Spectrometer on the International Space Station

Friday, December 2, 2016 9:00 AM (1 hour)

Centro de Investigaciones Energéticas Medioambientales y Tecnológicas CIEMAT, España

Primary author: OLIVA, Alberto (Centro de Investigaciones Energéticas Medioambientales y Tecnológicas)

Presenter: OLIVA, Alberto (Centro de Investigaciones Energéticas Medioambientales y Tecnológicas)

Contribution ID: 22

Type: **not specified**

Redefining the Axion Window

Friday, December 2, 2016 10:30 AM (1 hour)

Istituto Nazionale di Fisica Nucleare, Italy

Primary author: NARDI, Enrico

Presenter: NARDI, Enrico

Contribution ID: 23

Type: **not specified**

10 years studying the highest energy particles in the universe: results of the Pierre Auger Observatory

Friday, December 2, 2016 2:20 PM (1 hour)

Presenter: SANCHEZ NIETO, Federico (Universitat Autònoma de Barcelona (ES))

Contribution ID: 24

Type: **not specified**

Latest results from T2K and other neutrino oscillation experiments

Friday, December 2, 2016 3:20 PM (40 minutes)

Presenter: OYAMA, Yuichi (KEK)

Contribution ID: 25

Type: **not specified**

A gauge explanation for the B-meson anomalies

Wednesday, November 30, 2016 9:00 AM (1 hour)

Summary

Primary author: VICENTE, Avelino (Université de Liège)

Presenter: VICENTE, Avelino (Université de Liège)

Contribution ID: 26

Type: **not specified**

Public lecture: Las constantes fundamentales de la naturaleza y la física moderna

Thursday, December 1, 2016 6:00 PM (1 hour)

Primary author: NARDI, Enrico

Presenter: NARDI, Enrico

Contribution ID: 27

Type: **not specified**

The SIMPlest Dark Matter Model

Monday, November 28, 2016 11:30 AM (20 minutes)

Summary

Presenter: Dr BERNAL, Nicolás (Universidad Antonio Nariño)

Contribution ID: 28

Type: **not specified**

Strongly Coannihilating Dark Matter at the LHC

Monday, November 28, 2016 11:50 AM (20 minutes)

Summary

Primary author: DE VRIES, Maikel (Mainz University)

Presenter: DE VRIES, Maikel (Mainz University)

Contribution ID: 29

Type: **not specified**

Doublet-Triplet Dark Matter with Neutrino Masses

Monday, November 28, 2016 12:10 PM (20 minutes)

Summary

Presenter: Dr BETANCUR, Amalia

Contribution ID: **30**

Type: **not specified**

Holographic Picture of Heavy Vector Meson Melting

Monday, November 28, 2016 3:20 PM (20 minutes)

Summary

Presenter: Mr MARTIN, Miguel Angel (Universidad de los Andes)

Contribution ID: 31

Type: **not specified**

Tratamiento canónico de la ecuación de Proca

Monday, November 28, 2016 3:40 PM (20 minutes)

Summary

Presenter: Mr AGUIRRE, Alexis (Universidad de Nariño)

Contribution ID: 32

Type: **not specified**

Neutrino Visible Decay at T2K

Monday, November 28, 2016 4:40 PM (20 minutes)

Summary

Presenter: JONES-PEREZ, Joel (Pontificia Universidad Católica del Peru)

Contribution ID: 33

Type: **not specified**

Low-energy lepton number violating processes: GeV-scale Majorana neutrinos and short-range mechanisms

Monday, November 28, 2016 5:00 PM (20 minutes)

Summary

Presenter: QUINTERO POVEDA, Nestor (Universidad Santiago de Cali)

Contribution ID: 34

Type: **not specified**

Mu-tau reflection symmetry with texture zeros

Monday, November 28, 2016 5:20 PM (20 minutes)

Summary

Presenter: SANCHEZ, Bruce (Instituto de Física Teórica, IFT, SP-Brazil)

Contribution ID: 35

Type: **not specified**

Probing the Stau-Neutralino Coannihilation Region at the LHC with a soft tau lepton and an ISR jet

Tuesday, November 29, 2016 11:30 AM (20 minutes)

Primary author: FLOREZ BUSTOS, Carlos Andres (Universidad de los Andes (CO))

Presenter: FLOREZ BUSTOS, Carlos Andres (Universidad de los Andes (CO))

Contribution ID: 36

Type: **not specified**

Radiative Type III Seesaw Model and its collider phenomenology

Tuesday, November 29, 2016 11:50 AM (20 minutes)

Primary author: VON DER PAHLEN, Federico (University of Antioquia)

Presenter: VON DER PAHLEN, Federico (University of Antioquia)

Contribution ID: 37

Type: **not specified**

Reproducible research with HEP-Tools

Tuesday, November 29, 2016 12:10 PM (20 minutes)

Primary author: ALEJANDRO RESTREPO QUINTERO, Diego

Presenter: ALEJANDRO RESTREPO QUINTERO, Diego

Contribution ID: **38**

Type: **not specified**

Flipped models in Trinification

Tuesday, November 29, 2016 3:20 PM (20 minutes)

Primary author: Dr ROJAS, Eduardo-UDEA (Universidad de Antioquia)

Presenter: Dr ROJAS, Eduardo-UDEA (Universidad de Antioquia)

Contribution ID: 39

Type: **not specified**

A minimal non-universal EW extension of the Standard Model: A chiral family of models

Tuesday, November 29, 2016 3:40 PM (20 minutes)

Presenter: RODRÍGUEZ, Oscar (Universidad de Antioquia)

Contribution ID: 40

Type: **not specified**

Phenomenological study of Monotop channels in search of physics beyond standard mode

Tuesday, November 29, 2016 4:00 PM (20 minutes)

Presenter: SEGURA DELGADO, Manuel Alejandro (Universidad de los Andes (CO))

Contribution ID: 41

Type: **not specified**

Performance of the LHCb trigger system

Thursday, December 1, 2016 11:30 AM (20 minutes)

Summary

Primary author: NUNEZ PALACIO, Rafael David (Universidad Nacional de Colombia (CO))

Presenter: NUNEZ PALACIO, Rafael David (Universidad Nacional de Colombia (CO))

Contribution ID: 42

Type: **not specified**

CMS muon system upgrade with Gas Electron Multiplier detectors

Thursday, December 1, 2016 11:50 AM (20 minutes)

Summary

Primary author: Dr RUIZ ALVAREZ, Jose David (Universidad de los Andes (CO))

Presenter: Dr RUIZ ALVAREZ, Jose David (Universidad de los Andes (CO))

Contribution ID: 43

Type: **not specified**

Configuration of the Operation Modes for LHCb's Scintillating Fibers at LPNHE

Thursday, December 1, 2016 12:10 PM (20 minutes)

Summary

Presenter: SIERRA, Tomás

Contribution ID: 44

Type: **not specified**

Limits to the parameters space in some SM extensions by using data from DM direct and indirect detection

Summary

Primary author: LUIS NISPERUZA TOLEDO, Jorge (Professor)

Presenter: LUIS NISPERUZA TOLEDO, Jorge (Professor)

Contribution ID: 45

Type: **not specified**

The Inert Doublet Model from Peccei-Quinn Symmetry

Thursday, December 1, 2016 3:20 PM (20 minutes)

Summary

Presenter: LONGAS, Robinson (Universidad de Antioquia)

Contribution ID: 46

Type: **not specified**

Dark matter annihilation into photons

Thursday, December 1, 2016 3:40 PM (20 minutes)

Summary

Presenter: RIVERA, Andrés (Universidad de Antioquia)

Contribution ID: 47

Type: **not specified**

Calculating the Sachs-Wolfe effect from solutions of null geodesics in perturbed FRW spacetime

Thursday, December 1, 2016 4:40 PM (20 minutes)

Summary

Presenter: ARROYO, César Augusto

Contribution ID: 48

Type: **not specified**

Low red-shift effects of local structure on the Hubble parameter in presence of a cosmological constant

Thursday, December 1, 2016 5:00 PM (20 minutes)

Summary

Presenter: VALLEJO, Sergio (Universidad de Antioquia)

Contribution ID: 49

Type: **not specified**

Astro-partículas en el Oriente Colombiano

Thursday, December 1, 2016 5:20 PM (20 minutes)

Summary

Primary author: SUÁREZ, Mauricio (Universidad Industrial de Santander)

Presenter: SUÁREZ, Mauricio (Universidad Industrial de Santander)

Contribution ID: 50

Type: **not specified**

Non-leptonic Decays of Bs to Radial Excitations of K(1460) and K*(1410)

Friday, December 2, 2016 11:30 AM (20 minutes)

Presenter: FINO, Oscar (Universidad del Tolima)

Contribution ID: 51

Type: **not specified**

Charmed Baryon Spectroscopy at LHCb Experiment

Friday, December 2, 2016 11:50 AM (20 minutes)

Presenter: MONROY CANON, Ignacio Alberto (Universidad Nacional de Colombia (CO))

Contribution ID: 52

Type: **not specified**

Radially excited vector mesons: a Bethe-Salpeter-Schwinger-Dyson approach

Friday, December 2, 2016 12:10 PM (20 minutes)

Presenter: MOJICA, Fredy (Universidad del Tolim)

Contribution ID: 53

Type: **not specified**

Heavy Quarks and LCSR.

Friday, December 2, 2016 4:00 PM (20 minutes)

Presenter: TRIVIÑO, Humberto (Universidad del Tolima)