

Session Program

8-12 Jan 2018



7th International Conference on High Energy Physics in the LHC Era

Parallel Session 2

Universidad Técnica Federico Santa María, Valparaíso, Chile, Building A, Centro de Extensión
Avda. España 1680, Valparaíso, Chile

Tuesday 9 January

14:30

Parallel Session 2: Neutrino Physics

Session | **Location:** Building A, Auditorio Principal | **Convener:** Diego ARISTIZABAL

14:30-15:00 Scotogenic models

Speaker

Prof. Diego Restrepo

15:00-15:20 Mu-tau reflection symmetry with a texture-zero

Speaker

Celso Nishi

Location

Building A, Auditorio Principal

15:20-15:40 Loop neutrino masses from $d=7$ operators

Speaker

Juan Carlos Helo

Location

Building A, Auditorio Principal

15:40-16:00 Status of JUNO - future neutrino oscillation experiment

Speaker

Vit Vorobel

Location

Building A, Auditorio Principal

16:00

16:30

Parallel Session 2: Higgs Physics

Session | **Location:** Building A, Auditorio Principal | **Convener:** Edson Carquin Lopez

16:30-17:00 Combination of ATLAS Higgs boson measurements

Speaker

Dr Fernando Monticelli

17:00-17:20

One-loop considerations for coexisting vacua in the CP conserving 2HDM

Speaker

Adriano Cherchiglia

17:20-17:40 Top partner-resonance interplay in a composite Higgs framework

Speaker

Juan Alberto Yepes Tamayo

17:40-18:00 The minimal fermionic model of electroweak baryogenesis

Speaker

Daniel Egana-Ugrinovic

18:00-18:20 ATLAS BSM Higgs Results

18:30	Speaker Leonor Cerda Alberich
	18:20-18:30 Break

Thursday 11 January

16:30

Parallel Session 2: Dark Matter

Session | **Location:** Building A, Salón de Honor | **Convener:** Marcela González

16:30-17:00 **Probing Light Dark Matter**

Speaker

Prof. Chris Kouvaris

17:00-17:20 **Searches for light new particles with BaBar data**

Speaker

Steven Robertson

17:20-17:40 **Dark matter searches with the ATLAS detector**

Speaker

Francesco Ciotto

17:40-18:00

Analyzing gamma-rays of the Galactic Center with Deep Learning: Dark matter vs pulsars

Speaker

German Gomez-Vargas

18:00

Friday 12 January

14:30

Parallel Session 2: Hadron Structure

Session | **Location:** Building A, Auditorio Principal | **Convener:** Taisiya Mineeva

14:30-15:00

Excitations of the Nucleon - N^* spectroscopy with CLAS

Speaker

Andrew Sandorfi

15:00-15:20

EMC effect: Past, Present, and Future

Speaker

Nadia Fomin

Location

Building A, Auditorio Principal

15:20-15:40

Overview of photoproduction program at MAMI

Speaker

Natalie Walford

Location

Building A, Auditorio Principal

15:40-16:00

The proton polarizability project at A2-MAMI

Speaker

Cristina Collicott

Location

Building A, Auditorio Principal

16:00

16:30

Parallel Session 2: Astroparticles

Session | **Location:** Building A, Auditorio Principal | **Convener:** Diego ARISTIZABAL

16:30-17:00

Dark Energy Survey Year 1 Results: Measurement of the Baryon Acoustic Oscillation

Speaker

Rogério Rosenfeld

17:00-17:20

Surveying the TeV Sky with the High Altitude Water Cherenkov (HAWC) Gamma-Ray Observatory

Speaker

Andres Sandoval

17:20-17:40

Probing Lorentz Invariance Violation at the Pierre Auger Observatory

Speaker

Rodrigo Guedes Lang for the Pierre Auger Collaboration

17:40-18:00

Hadron production measurements in pion-carbon interactions by NA61/SHINE experiment at the CERN Super-Proton Synchrotron

Speaker

Mr Raul Ribeiro Prado

18:00-18:20

The High Energy Particle Detector of the CSES mission

Speaker

Francesco Maria Follega

18:20