Session Program

Jan 8 – 12, 2018

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

Parallel Session 2

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

Tue, January 9

2:30 PM

Parallel Session 2: Neutrino Physics

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

2:30 – 3:00 PM **Scotogenic models**

Speaker
Prof. Diego Restrepo

3:00 – 3:20 PM **Mu-tau reflection symmetry with a texture-zero**

Speaker
Celso Nishi

Location
Building A, Auditorio Principal

3:20 – 3:40 PM **Loop neutrino masses from d=7 operators**

Speaker
Juan Carlos Helo

Location
Building A, Auditorio Principal

3:40 – 4:00 PM **Status of JUNO - future neutrino oscillation experiment**

Speaker
Vit Vorobel

Location
Building A, Auditorio Principal

4:00 PM

4:30 PM

Parallel Session 2: Higgs Physics

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

4:30 – 5:00 PM **Combination of ATLAS Higgs boson measurements**

Speaker
Dr Fernando Monticelli

5:00 – 5:20 PM
One-loop considerations for coexisting vacua in the CP conserving 2HDM

Speaker
Adriano Cherchiglia

5:20 – 5:40 PM **Top partner-resonance interplay in a composite Higgs framework**

Speaker
Juan Alberto Yepes Tamayo

5:40 – 6:00 PM **The minimal fermionic model of electroweak baryogenesis**

Speaker
Daniel Egana-Ugrinovic

6:00 – 6:20 PM **ATLAS BSM Higgs Results**

Speaker
Leonor Cerda Alberich

6:20 – 6:30 PM **Break**

6:30 PM

Thu, January 11

4:30 PM

Parallel Session 2: Dark Matter

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

4:30 – 5:00 PM **Probing Light Dark Matter**

Speaker
Prof. Chris Kouvaris

5:00 – 5:20 PM **Searches for light new particles with BaBar data**

Speaker
Steven Robertson

5:20 – 5:40 PM **Dark matter searches with the ATLAS detector**

Speaker
Francesco Cirotto

5:40 – 6:00 PM **Analyzing gamma-rays of the Galactic Center with Deep Learning: Dark matter vs pulsars**

Speaker
German Gomez-Vargas

6:00 PM

Fri, January 12

2:30 PM

Parallel Session 2: Hadron Structure

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

2:30 – 3:00 PM **Excitations of the Nucleon – N* spectroscopy with CLAS**

Speaker
Andrew Sandorfi

3:00 – 3:20 PM **EMC effect: Past, Present, and Future**

Speaker
Nadia Fomin

Location
Building A, Auditorio Principal

3:20 – 3:40 PM **Overview of photoproduction program at MAMI**

Speaker
Natalie Walford

Location
Building A, Auditorio Principal

3:40 – 4:00 PM **The proton polarizability project at A2-MAMI**

Speaker
Cristina Collicott

Location
Building A, Auditorio Principal

4:00 PM

4:30 PM

Parallel Session 2: Astroparticles

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

4:30 – 5:00 PM
Dark Energy Survey Year 1 Results: Measurement of the Baryon Acoustic Oscillation

Speaker
Rogerio Rosenfeld

5:00 – 5:20 PM
Surveying the TeV Sky with the High Altitude Water Cherenkov (HAWC) Gamma-Ray Observatory

Speaker
Andres Sandoval

5:20 – 5:40 PM
Probing Lorentz Invariance Violation at the Pierre Auger Observatory

Speaker
Rodrigo Guedes Lang for the Pierre Auger Collaboration

5:40 – 6:00 PM

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

Speaker
Mr Raul Ribeiro Prado

6:00 – 6:20 PM **The High Energy Particle Detector of the CSES mission**

Speaker
Francesco Maria Follega

6:20 PM