Session Program

Jan 8 – 12, 2018

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

Parallel Session 3

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 3: Instrumentation and Detectors

Session | **Location:** Building A, Modular room | **Convener:** Hayk Hakobyan

2:30 – 3:00 PM **Run 2 ATLAS Trigger and Detector Performance**

Speaker
Oleg Solovyanov

3:00 – 3:20 PM **A detector for FCC-hh: Tracker & Vertex design and optimization**

Speaker
Estel Perez Codina

3:20 – 3:40 PM **Luminometers for future collider experiments**

Speaker
Angel Christian Abusleme Hoffman

3:40 – 4:00 PM
Precision Timing Detectors: Unlocking the Potential for Discoveries at the LHC and Beyond

Speaker
Cristian Ignacio Pena Herrera

4:00 PM

4:30 PM

Parallel Session 3: Beyond Standard Model

Session | **Location:** Building A, Modular room | **Convener:** Juan Carlos Helo

4:30 – 5:00 PM
Searches for new heavy resonances in final states with leptons and photons

Speaker
Riccardo Paramatti

Location
Building A, Modular room

5:00 – 5:20 PM
Searches for Supersymmetry and Exotics Physics in ATLAS (Remote talk))

Speaker
Jike Wang

5:20 – 5:40 PM **SUSY searches at CMS**

Speaker
Cristian Ignacio Pena Herrera

5:40 – 6:00 PM
Constraining sleptons at the LHC in a supersymmetric low-scale seesaw scenario

Speaker
Joel Jones-Perez

Location
Building A, Modular room

6:00 – 6:20 PM **Torsion resonance decaying into ttbar at LHC**

Speaker
Andre Asevedo Nepomuceno

Location
Building A, Modular room

6:20 – 6:30 PM **Break**

6:30 PM

Thu, January 11

4:30 PM

Parallel Session 3: Hadron Structure

Session | **Location:** Building A, Modular Room | **Convener:** Hayk Hakobyan

4:30 – 5:00 PM

Short Range Correlations in Asymmetric Nuclei

Speaker
Axel Schmidt

5:00 – 5:20 PM

Color transparency and hadronization

Speaker
Taisiya Mineeva

Location
Building A, Modular Room

5:20 – 5:40 PM

Nucleon Form Factor Measurements at Jefferson Lab: results and future experiments

Speaker
Nilanga Liyanage

Location
Building A, Modular Room

5:40 – 6:00 PM

A Space-time Analysis of Semi-inclusive Deep Inelastic Scattering on Nuclei

Speaker
Jorge Lopez Lopez

Location
Building A, Modular Room

6:00 PM

Fri, January 12

2:30 PM

Parallel Session 3: Future Experiments / Instrumentaton & Detectors

Session | **Location:** Building A, Modular room | **Convener:** ahmed el alaoui

2:30 – 3:00 PM **sPhenix Overview**

Speaker
Dennis Perepelitsa

3:00 – 3:20 PM

AFP measurements and prospects for exclusive diffraction, BSM physics and Pomeron structure

Speaker
Ladislav Chytka

3:20 – 3:40 PM **The ALICE detector upgrade program**

Speaker
Stefano Panebianco

3:40 – 4:00 PM

Current and expected performance of tracking and vertexing with the ATLAS detector at the LHC and the HL-LHC

Speaker
Alex Kastanas

4:00 PM

4:30 PM

Parallel Session 3: Heavy Ion collisions

Session | **Location:** Building A, Modular room

4:30 – 5:00 PM **ATLAS soft QCD results**

Speaker
Tomas Sykora

Location
Building A, Modular room

5:00 – 5:20 PM

Thermomagnetic correlation lengths of strongly interacting matter in the Nambu–Jona-Lasinio model

Speaker
Marcelo Loewe

5:20 – 5:40 PM

Viscous effects of clustering of color sources in small collision systems

Speaker
Irais Bautista Guzman

Location
Building A, Modular room

5:40 – 6:00 PM **Charmonium production in Heavy Ions collisions at ATLAS**

Speaker
Dennis Perepelitsa

Location
Building A, Modular room

6:00 – 6:20 PM **TBD**

Location
Building A, Modular room

6:20 PM