

Session Program

14-18 Nov 2022

**XIV Latin American Symposium on High
Energy Physics**

Plenary session

Sunday 13 November

09:00

Plenary session

Session | **Location:** USFQ main campus, Calderón de la Barca theater | **Convener:** Dr Joel Jones-Perez

09:00–09:50

Astrophysics and fundamental physics from high-energy cosmic messengers

Speaker

Mauricio Bustamante

09:50–10:40

SWG0: The project for a future wide-field gamma-ray observatory in South America

Speakers

Claudio Dib, Ulisses Barres de Almeida

10:40

11:10

Plenary session

Session | **Location:** USFQ main campus, Calderón de la Barca theater | **Convener:** Claudio Dib

11:10–12:00

New physics tests in lepton decays

Speaker

Pablo Roig Garcés

12:00–12:50

LHCb status and perspectives for Run 3

Speaker

Irina Nasteva

12:50

Monday 14 November

09:00

Plenary session

Session | **Location:** USFQ main campus, Calderón de la Barca theater | **Convener:** Enrico Nardi

09:00–09:50 **Neutrinos at 66**

Speaker

Gabriela Alejandra Barenboim Szuchman Not Supplied

10:40

09:50–10:40 **The DUNE experiment**

Speaker

Ana Amelia Machado

11:10

Plenary session

Session | **Location:** USFQ main campus, Calderón de la Barca theater | **Convener:** Rogerio Rosenfeld

11:10–12:00 **Multi-component dark matter**

Speaker

Oscar Zapata

12:50

12:00–12:50 **The ANDES project**

Speaker

Claudio Dib

Tuesday 15 November

09:00

Plenary session

Session | **Location:** USFQ main campus, Calderón de la Barca theater | **Convener:** Edy Rodrigo Ayala Amaya

09:00–09:50 Higgs physics in the LHC Era

Speaker

Carlos E.M. Wagner

10:40

09:50–10:40 The Higgs after LHC: from the HL-LHC to future colliders

Speaker

Laura Reina

11:10

Plenary session

Session | **Location:** USFQ main campus, Calderón de la Barca theater | **Convener:** Prof. DIEGO ALEJANDRO RESTREPO QUINTERO

11:10–12:00 CMS status and perspectives for Run 3

Speaker

Carlos Andres Florez Bustos

12:00–12:50 ATLAS status and perspectives for Run 3

Speaker

Dr Fernando Monticelli

12:50–13:40 New opportunities for Electroweak Baryogenesis

Speaker

Marcela Silvia Carena Lopez

13:40

Wednesday 16 November

09:00

Plenary session

Session | **Location:** USFQ main campus, Casa Blanca theater | **Convener:** Ernesto Contreras

09:00–09:50 **Black holes: on the universality of the Kerr hypothesis**

Speaker

Prof. Carlos Herdeiro

10:40

09:50–10:40 **New Physics with Gravitational Waves**

Speaker

James Dent

11:10

Plenary session

Session | **Location:** USFQ main campus, Casa Blanca theater | **Convener:** Diana Laura Lopez Nacir

11:10–12:00

Cosmology with state-of-the-art photometric galaxy surveys - Dark Energy Survey and Legacy Survey of Space and Time

Speaker

Prof. Rogerio Rosenfeld

12:50

12:00–12:50

LAGO: The Latin American Giant Observatory: Status and Perspectives

Speaker

Luis Otiniano

Thursday 17 November

09:00

Plenary session

Session | **Location:** USFQ main campus, Salón Azul | **Convener:** Jose Ruiz

09:00–09:50 **New Computing and Software Frontiers in Particle Physics**

Speaker

Gordon Watts

10:40

09:50–10:40 **ALICE Recent Results and Perspectives for Run 3**

Speaker

Marcelo Gameiro Munhoz

11:10

Plenary session

Session | **Location:** USFQ main campus, Salón Azul | **Convener:** Ernesto Contreras

11:10–12:00

The electron-ion collider -- A world wide unique collider to unravel the mysteries of visible matter

Speaker

Dr Elke-Caroline Aschenauer

12:50

12:00–12:50 **QCD Equation of State**

Speaker

Claudia Ratti