

Session Program

26-30 Nov 2018

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

Parallel Talks A

PUCP

Pontificia Universidad Católica del Perú Av. Universitaria 1801, San Miguel Lima 32, Perú

Sunday 25 November

14:15

Parallel Talks A

Session | **Location:** PUCP, Room N111, McGregor Building

14:15–14:30 **Recent results in B-physics with the ATLAS detector**

Speaker
Soeren Andre Prell

14:30–14:45

Nambu--Jona-Lasinio Models with Supersymmetry and Phenomenology

Speaker
Dr Otto C. W. Kong

14:45–15:00

Constraining sparticles at the LHC in a supersymmetric seesaw scenario

Speaker
Nhell Heder Cerna Velazco

15:00–15:15 **Recent results from SUSY searches with ATLAS**

Speaker
Jean-Francois Arguin

15:15

15:45

Parallel Talks A

Session | **Location:** PUCP, Room N111, McGregor Building

15:45–16:00

Color dipole approach to diffractive particle production: from Drell-Yan to di-jets final states

Speaker
Roman Pasechnik

16:00–16:15

Disentangling atmospheric cascades started by gamma rays from cosmic rays with CORSIKA

Speaker
JAVIER ALONSO RENGIFO GONZALES

16:15–16:30

Search for gamma-ray counterparts of newly discovered radio astrophysical sources

Speaker
Sergio Andre Best Reyes

16:30–16:45 **The Latin American Giant Observatory**

Speaker
Mr Luis Otiniano

16:45–17:00 **Particle detection with portable scintillation-based devices**

Speaker

Mr Joaquin Masias Teves

17:00-17:15

Extra dimensions' influence on the structure and stability of compact object with a linear equation of state

Speaker

Dr José Arbañil

17:15

Monday 26 November

14:50

Parallel Talks A

Session | **Location:** PUCP, Room N111, McGregor Building

14:50–15:05

Measurements of the Higgs boson properties at the ATLAS experiment

Speaker

Giada Mancini

15:05–15:20

New Physics in Double Higgs production at future e^+e^- colliders

Speaker

Dr Alberto Tónero

15:20–15:35

Searches for non-SM Higgs bosons and for BSM decays of the Higgs boson at the ATLAS experiment

Speaker

Arturo Sanchez Pineda

15:35–15:50

Muon $g - 2$ in the 2HDM: updates on maximum results and phenomenology

Speaker

Adriano Cherchiglia

15:50–16:05

Chromomagnetic and chromoelectric dipole moments of the top quark in the fourth-generation THDM

Speaker

Mr Alan Ignacio Hernández Juárez

16:05–16:20

Heavy quarks within the electroweak multiplet

Speaker

Dr Jaime Besprosvany

16:20

Wednesday 28 November

14:00

Parallel Talks A

Session | **Location:** PUCP, Room N111, McGregor Building

14:00–14:15 **The Astrophobic Axion**

Speaker
Enrico Nardi

14:15–14:30

Observational tests for Beyond Standard Model Physics: CMB Photon oscillation into Hidden Sector and Axion like Particles.

Speaker
Mr Christopher Gonzalez

14:30–14:45 **Dark matter production of scalar and vector kind**

Speaker
Paola Arias Reyes

14:45–15:00 **Dark Matter searches with the ATLAS Detector**

Speaker
Yvonne Ng

15:00–15:15 **Searches for dark matter at CMS**

Speaker
Jose Ruiz

15:15

15:45

Parallel Talks A

Session | **Location:** PUCP, Room N111, McGregor Building

15:45–16:00

About heavy neutrinos: violation of lepton flavor in neutrinoless decays of leptons

Speaker
Ms Mónica Salinas Ibañez

16:00–16:15 **Majorana and Pseudo-Dirac Neutrinos at the ILC**

Speaker
Mr Omar Suarez Navarro

16:15–16:30

Polarization signatures from effective interactions of Majorana neutrinos

Speaker
Dr Lucía Duarte

16:30–16:45 **Breaking of CPT due to quantum decoherence tested at DUNE**

Speaker
Mr Félix Napoleón Díaz Desposorio

16:45-17:00

Implications of neutrino generalized interactions in coherent elastic neutrino-nucleus scattering

Speaker

Diego Aristizabal

17:00-17:15

Visible neutrino decay and matter effects at future long-base line experiments

Speaker

Anthony Mard Calatayud Cadenillas

17:15