Session Program

Dec 7 – 10, 2026

15th LASNPA - Latin American Symposium on Nuclear Physics and Applications

Parallel-4

IPEN
Cidade Universitária - Bairro Butantã CEP: 05508-000 - São Paulo - SP

Mon, December 7

2:30 PM

Parallel-4: Monday Afternoon 1

Session

2:30 – 2:55 PM

Spectral, Directional and Composition Characterization of Space Radiation in LEO Orbit and Secondary Cosmic Rays in Earth atmosphere

Speaker
Dr Carlos Granja

2:55 – 3:20 PM **Production of intense ion beams: motivations and technology**

Speaker
Santo Gammino

3:20 – 3:45 PM

Flash Radiotherapy: the event horizon in Oncology. Dinamics of radiobiological mechanims at ultra-high dose rates.

Speaker
Ivan Padron Diaz

3:45 – 4:10 PM

From Nuclear Structure to Radiobiology: Basic and Applied Research at the TANDAR Heavy-Ion Accelerator

Speaker
Andres Arazi

4:10 PM

Tue, December 8

4:30 PM

Parallel-4

Session | **Location:** IPEN, Cidade Universitária - Bairro Butantã CEP: 05508-000 - São Paulo - SP

4:30 – 4:55 PM

Nuclear analytical techniques for the determination of elemental distributions in geo- and hydrothermal substrates – the case of the Los Azufres (Mexico) volcanic complex.

Speaker
Prof. Nabanita Dasgupta Schubert

4:55 – 5:20 PM

Non-Invasive XRF Characterization of Artworks by Brazilian Modernist Painters Tarsila do Amaral and Anita Malfatti

Speaker
Prof. Hellen C. Santos

5:20 – 5:45 PM

Temporal evolution in fissile systems: Development of OpenMC(TD) for Monte Carlo simulation with individual precursors

Speaker
Mr Jaime Alfonso Romero Barrientos

5:45 – 6:10 PM

CDAQ: A Distributed and Extensible Data Acquisition Architecture for Nuclear Instrumentation

Speaker
Pablo Antonio Aguilera Jorquera

6:10 – 6:30 PM

Investigation of oil paintings on canvas by the visual artist Carlos Gomes by EDXRF

Speaker
José Vinicius Gonçalves

6:30 PM

Thu, December 10

2:30 PM

Parallel-4: Thursday Afternoon

Session | **Location:** IPEN, 155 - Auditorium Prof. Dr. Alcídio Abrão

2:30 – 2:55 PM

Compact Accelerator based Neutron Source Technology development in Argentina

Speaker
Prof. Andres Kreiner

Location
IPEN, 155 - Auditorium Prof. Dr. Alcídio Abrão

2:55 – 3:20 PM

Implementation of an ultra-high-intensity laser as a multi-user scientific infrastructure in Brazil

Speaker
Nilson Dias Vieira Jr

Location
IPEN, 155 - Auditorium Prof. Dr. Alcídio Abrão

3:20 – 3:45 PM

Thermalization model for isomeric alpha decay in the r-process

Speaker
Prof. Neelima Kelkar

Location
IPEN, 155 - Auditorium Prof. Dr. Alcídio Abrão

3:45 – 4:10 PM

Phase Transition Effects on the Deleptonization of Proto-Magnetars

Speaker
SAUL JOSUE PANIBRA CHURATA

Location
IPEN, 155 - Auditorium Prof. Dr. Alcídio Abrão

4:10 – 4:30 PM

News from the 5.5 MV Van de Graaff Accelerator in Mexico

Speaker
Efrain Rafael Chávez Lomelí

4:30 PM