Session Program

Dec 7 – 10, 2026

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

Poster

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

Wed, December 9

11:00 AM

Poster: Poster Contributions

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

Long-Range Multiparticle Correlations in Relativistic Heavy-Ion Collisions

Speaker
Ms Sayora Ibraimova

Worst-Case Scenario Analysis of TID Effects in Commercial NMOS Power Transistors

Speaker
Ms Anna Victoria Pereira Pavan

Sensitivity Analysis of LGAD Sensors Under 10 keV X-Ray Exposure

Speaker
Thalia Alves da Silva

Uncertainty Quantification in Optical-Model Analyses: application to the ^{8}Li+ ^{58}Ni system

Speaker
Osvaldo Camargo Botelho dos Santos

Structure of clusters in nuclei in the light, intermediate, and heavy mass regions

Speaker
Hideaki Miyake

Simulating radiation effects in superconducting qubits: from cosmic rays to controlled gamma irradiation experiments

Speaker
Vinícius Veit Barreto

Searching for instanton effects in proton proton collisions

Speaker
Henrique Rodrigues Martins Fontes

Two-photon Decay Width of the Tensor Glueball Candidate $f'_2(1525)$

Speaker
Ms Kamila Elen Silva Mendes

Simulation of nuclear collisions using GEANT4

Speaker
Isaias Nascimento Caetano Pinto

TCAD Simulation of Total Ionizing Dose Effects in an HPK 3.2 Silicon PiN Diode under X-Ray Irradiation

Speaker
Leandro Silva Santos

Evaluation of Reconstruction Algorithms for Optical CT of Fricke Xylenol Gel Dosimeters

Speaker
Victória Raposo

Analysis of elemental composition by EDXRF spectrometry for categorizing Brazilian Olympic coins

Speaker
Lucas Martins

Neutron powder diffraction and hyperfine parameters of the La-deficient La2NiMnO6 double perovskite

Speaker
Ms Larissa Szakacs

Experimental Characterization of a $2^{\prime\prime} \times 2^{\prime\prime}$ BGO Scintillation Detector with Integrated SiPM

Speakers
Julian Estupiñan, Samuel Posada

Qualification of fast-response silicon sensor prototypes for the ALICE 3 Time-of-Flight detector

Speaker
Yam Artur Omoto Teodoro

MAGNETIC HYPERFINE FIELD IN X_2MnZ (X = Co, Fe; Z = Al, Ga, In, Ge, Si) HEUSLER ALLOYS

Speaker
Leonardo Trindade

Application of CRDS for Monitoring Gaseous Fission Products in Research Reactors

Speaker
Ms Priscila Matos Santos

Preliminary Studies for Obtaining Ac-225 by Irradiating Ra-266 Inorganic Compounds with Proton Beams

Speaker
Isabel Ponce de Miranda

Noise Power Spectrum Analysis in Low-Dose CT: Comparison between Silver and Copper Filtered Protocols at Different Dose Levels in a Phantom with a GGO Nodule

Speaker
Giovanna Negro

Inference of the Quantum Chromodynamics Equation of State

Speaker
Luiza Fernanda Perin

Feasibility Evaluation of a Combined Cytogenetic Protocol at CRCN-NE for Triage and Absorbed Dose Estimation in Radiological Emergencies

Speaker
Anderson Basilio

Application of the Fluorescence in situ Hybridization (FISH) Technique in Biological Dosimetry at CRCN-NE/CNEN

Speaker
Anderson Basilio

How Much Initial Condition Information is Needed to Describe the Quark-Gluon Plasma? A Deep Learning Approach

Speaker
Jose Francisco Nunes Marcondes

Investigation of Fusion Hindrance in ^{28}Si + ^{142,150}Nd Reactions .

Speaker
Anjali Merin

Gamma-Ray Spectroscopy of 37Ar: Level Scheme Extended to 12 MeV

Speaker
Ricardo Davila Biasotto Mano

Kinematic Limits of SRIM Damage Models: Evaluating QDC, FDC, and MCS Algorithms in Carbon Targets

Speaker
Lucas Santos

α −^{12}C elastic scattering as a modified halo-EFT

Speaker
Elias Phelipe Huning

Development and Simulation of a Phoswich Plastic Scintillator ΔE- E Telescope for Charged Particle Identification in In-Beam Gamma- Ray Spectroscopy

Speaker
João Vitor Schervenin

A Systematic Effective Field Theory for Low-Energy Two-Body Systems

Speaker
Ayda Milena Bernal

Studying exotic hadrons of three-body nature

Speaker
Ryan Issa Sabha de Oliveira

Hadron-Quark Phase Transition In Failing Core-Collapse Supernovae: A Study With The NJL Model

Speaker
Cleiton Fontana

A complete study of the ^{7}Li+^{196}Pt reaction

Speaker
Luca Martinis

A Study of the 11Be Halo Nucleus with Coulomb-Free Cluster EFT-Derived Potentials

Speaker
Juliana Prada Suarez

Investigation of the 7Li+144Sm reactions at energy near the Coulomb barrier

Speaker
José Montenegro Brandão Neto

Experimental data and nuclear modeling of proton elastic cross-section in Li-6

Speaker
Gabriela Dantas Santos

Investigation of mechanism involved in the 9Be(13C,15N)7Li and 9Be(13C,7Li)15N transfer reactions

Speaker
Mr Pierre Nistal

Helium Radiation Resilience Testing of Palladium Nanoparticle Composites

Speaker
Maxyn Hallare

Bayesian Modeling of the Isovector Giant Dipole Resonance: Implications for Nuclear Astrophysics

Speaker
GOURAB BANERJEE

Chemometric Evaluation of Amazon Biome Commodities Using Fused Data from Spectroscopic Techniques

Speaker
Cibele Bugno Zamboni

Evaluation of the influence of sample preparation on soybean analysis by Energy-Dispersive X-Ray Fluorescence (EDXRF)

Speaker
Dalton Nogueira da Silva Giovanni

Neutrino luminosity from newborn strange stars

Speaker
Úrsula Fonseca

Neutron Star Equation of State via Physics Informed Neural Network

Speaker
Gabriel Bezerra

Development, Characterization, and Testing of a Thermal Neutron Detector Based on ZnS:Ag Scintillators and Wavelength-Shifting Fibers

Speaker
Luis Gonzalez

Investigation of the (6,7)Li+154Sm Reactions Near the Coulomb Barrier

Speaker
Maria Gabriela Matias de Lana

ION BEAM ANALYSIS TECHNIQUES USED FOR THE CHARACTERIZATION OF NATURAL AND MODIFIED ZEOLITES USING.

Speaker
Dr Eduardo A. Ibarra

Influence of Multiplicity and Centrality Fluctuations in the First Hadronic Interactions on the Development of Hadronic Cascades

Speaker
Anastasiya Fedosimova

Design and Simulation of a Compact Thomson Parabola Spectrometer for Laser-Accelerated Ions and Electrons

Speaker
Vitor Ângelo Paulino de Aguiar

Universal spectra in relativistic nuclear collisions from small to large systems

Speaker
Gulab Noor

Fabrication and Preliminary Characterization of Laser-Ablated GEM Foils for Rapid Prototyping Applications

Speaker
Daniel Magpali Moura Estevao

Quantitative Estimation of Sulfur in blood from inhabitants of Brazil by EDXRF anality technique

Speaker
Larissa Augusta Santos Moura

Barrier distributions from the fusion of ^{30}Si + ^{142,150}Nd reactions

Speaker
Ms Anjali Merin

Investigation of the ^{6,7}Li+^{119}Sn reactions at energies near the Coulomb barrier

Speaker
Gabriel Cessel

Elastic scattering of the 7Li+59Co system

Speaker
Gabriel Schneider Capetto

Radial Flow Analysis in PbPb Collisions Using CMS Open Data

Speaker
Allan Eduardo Flores Godoi Ferreira

Search for light dark matter: study of silicon detector protection for nuclear recoil measurements in liquid argon

Speaker
Giovana Giudice Domingos

ALBEDO: a transparent Monte Carlo platform for understanding gamma-ray spectrum formation

Speaker
Miguel Andrés Perdomo Gutiérrez

Extending Time-Interval Distribution (TID) Analysis to Long-Lived Nuclides: A Comparative Study for In-116m and Au-198

Speaker
Guilherme Zahn

Gravitational Waves from Core-Collapse Supernova Simulations in 1D and 2D

Speaker
Pedro Henrique Coelho Albino

Extracting protoneutron stars properties from its neutrino signal with neural network

Speakers
Dr André da Silva Schneider, Isadora da Silva Espindola

Microlearning as a Strategy for Introducing the History of Science in Nuclear Physics Educatio

Speaker
Daniel Marques Vulcão

Response of Gallium Arsenide Surface Barrier Detectors for Heavy-Ion Detection in Nuclear Physics

Speaker
Matheus Pereira

Probing the pion-gluon distribution at small x in photon-induced interactions at the LHC

Speaker
Mx JUCIENE DE SOUZA

Surface Tension in a Statistical Mixture of Equations of State for Strongly Interacting Matter

Speaker
Patrick Belmont Oliveira de Menezes

12:40 PM