

Session Program

Sep 7 - 11, 2026



DENIM 2026 - XV Design and Engineering of Neutron Instruments Meeting

POSTER SESSION

Buenos Aires, Argentina
IFIByNE (CONICET-UBA) - Intendente Güiraldes 300 Buenos Aires Autonomous City of Buenos Aires

Wed, September 9

2:00 PM

POSTER SESSION

Session |

Location: Buenos Aires, Argentina, IFIByNE (CONICET-UBA) - Intendente Güiraldes 300 Buenos Aires Autonomous City of Buenos Aires

2:00 – 2:10 PM

NEW NUTATOR FOR SPHERICAL NEUTRON POLARIMETRY

Speaker

Adrian Nyc

2:00 – 2:10 PM

Engineering Progress on the Liquid Neutron Reflectometer at CSNS

Speaker

Wenting Du

2:00 – 2:10 PM

Design of the Bulk Insert Adjustment Mechanism for the CSNS-II#3 Liquid Neutron Reflectometer

2:10 – 2:20 PM

Upgrade of the Compact Rotary Platform for the KOMPASS Helmholtz Coil System: Integration of a Non-Magnetic Worm Gear for Torque Enhancement

Speaker

Manuel Müller

2:10 – 2:20 PM

Shutter Design for the Primary Beam of the LaDiff Triple-Axis Spectrometer

Speaker

Daniel Zahreddin

2:10 – 2:20 PM

THE ESSENTIAL PARTNERSHIP: COLLABORATIVE EFFORTS BETWEEN DESIGN ENGINEERS AND ENGINEERING TECHNICIANS

Speaker

Doug Johnson

2:20 – 2:30 PM

Rotation Stress Rig for Combined Tensile–Torsional In Situ Neutron Imaging and Diffraction at ESS

Speaker

Luca Sagliano

2:20 – 2:30 PM

Vertical drive for two polarizers at RESEDA (Project TIGER (Thermal mlez for GreatEr Ranges))

Speaker

Christian Fuchs

2:20 – 2:30 PM

DIFFRACTOMETER FOR RESIDUAL STRESS ANALYSIS INSTRUMENT UPGRADE

Speaker

Ed Binkley

2:30 – 2:40 PM

Design and Manufacturing of an Helium-3 Gas Transfer System for the CSPEC Detectors at ESS

Speaker

Antoine Lepine

2:30 – 2:40 PM

Development and integration of Control Systems and metrology for neutron instrumentation: applications in ANDES and ASTOR**Speaker**

Mr Felix Maciel

2:30 – 2:40 PM

Thermal Neutron Three Axes Spectrometer PUMA: Recent Instrumentation Development**Speaker**

Yongjin Kim

2:40 – 2:50 PM

“AnGI”, the new Instrument for Prompt Gamma Neutron Activation Analysis (PGNAA) at the RA-6 Research Reactor, Argentina.**Speaker**

Fernando Ariel Sánchez

2:40 – 2:50 PM

SNS Survey, Alignment, and Metrology**Speaker**

Derek Doane

2:40 – 2:50 PM

Evaluation of Alternative Materials for the T0 Chopper Hammer Using PHITS**Speaker**

Ryota Komine

2:50 – 3:00 PM

Collimation system design for the BIAR diffractometer at the IEA-R1 reactor**Speaker**

Luiz Paulo de Oliveira

2:50 – 3:00 PM

The first high-fidelity Monte Carlo model of the Brazilian IEA-R1 nuclear reactor**Speaker**

Alexandre Souza

2:50 – 3:00 PM

Design of a replacement Optical Bench and new Polariser for the Pelican Inelastic Instrument at ANSTO**Speaker**

Scott Olsen

3:00 – 3:10 PM

Proof-of-Concept Demonstration of a Polychromatic Multiplexed Neutron Stress–Strain Diffractometer at the MIT Reactor**Speaker**

Dr Jay T. Cremer

3:00 – 3:10 PM

Multiscale Dot Patterns and a Scalable Calibration Framework for Geometric Distortion Characterization in Neutron Imaging**Speaker**

Peter Zabala Medina

3:00 – 3:10 PM

NAHUEL: A new time-of-flight instrument installed at the Experimental Reactor RA-6 at Centro Atómico Bariloche**Speaker**

Dr Luis Alberto Rodríguez Palomino

3:10 – 3:20 PM

SANS-MB: instrumentación para la dispersión de neutrones a bajo ángulo del LAHN**Speaker**

Fernando Pschunder

3:10 – 3:20 PM

Two Stage Gamma-Neutron Source Classification in Water Cherenkov Detectors: Energy Threshold Screening and Machine Learning Pulse Analysis**Speaker**

Alejandro Said Núñez Selin

3:10 – 3:20 PM

Optimisation of the Neutron Beam Slit Aperture Assembly for an Ultra Narrow Design**Speaker**

Scott Olsen

3:20 – 3:30 PM

Stakeholder Management and Planning–Execution Alignment in Scientific Megaprojects with In-Kind Contributions**Speaker**

Tamires Gallo

3:20 – 3:30 PM

Neutron Guide Performance Evaluation for the LAHN High-Resolution Powder Diffractometer Using a KDS-Based Neutron Source**Speaker**

Diego G. Franco

3:20 – 3:30 PM

Experimental testing to define the sliding floor specifications for the ANDES Instrument**Speaker**

Mr Emanuel Adrián

3:20 – 3:30 PM

Thermal analysis and design optimization of the ANDES sample chamber using FEA**Speaker**

Lucas Mariano Montenegro

3:30 PM