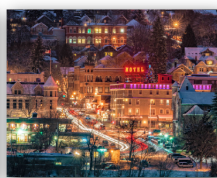


Session Program

Sep 20 - 25, 2026



10th International symposium on Negative Ions, Beams and Sources - NIBS'26

Poster Session 1

Prestige Lakeside Resort Nelson, Conference Room

Mon, September 21

5:00 PM

Poster Session 1

Poster Session | **Location:** Hume Hotel

Commissioning of a Penning Ion Source Test Stand and Negative Hydrogen Ion Experiments for Medical Applications

Speaker

Connor MacKenzie

Proof of Concept Work Function Measurements for the LAMP H- Ion Source

Speaker

April Smith

Progress of the RF H- Ion Source Project at RAL

Speaker

Robert Abel

Phase Mixing and Compensation Transitions in Single and Multiple Negative-Ion Beams

Speaker

Dr Chen Zuo

Power Electronics for 655kV H- Beam Chopper

Speaker

Mike RIGG

Study on Key Technologies for Laser Neutralization based Negative Ion Beams

Speakers

Dr Huihui hong, Yuanlai Xie

Optimization of Puller Offset from Plane of Plasma Extraction for H^- , $4He^{2+}$, and $18O^{3+}$ Ions

Speaker

Ben Warfield

Implementation of Updated Hydrogen and Deuterium Cross-Sections in Particle-in-Cell Simulations of Negative Ion Production in a Volume-Cusp Ion Source

Speaker

Connor MacKenzie

Operation, Performance, and Modeling of a Cesium-Free Negative Hydrogen Ion Source for a BNCT Accelerator

Speaker

Vladislav Vekselman

Development and Experimental Validation of LePIC+ for a Caesium-Free RF Negative Ion Source

Speaker

Jasmin Deguire

Experimental Investigation of Negative Ion Production Mechanisms on Cs-Deposited Metal Surfaces

Speaker

Yuya Inokuchi

Langmuir probe characterization of negative ions in microwave plasmas

Speaker

Portia Switzer

The Use of Simulation Software to Predict the Expected Pressures within the Internal Plasma Chamber of a Penning-Ion Source

Speaker

Sydney Spence

Measurement of the Beam Phase Space Structure of the J-PARC Radiofrequency Negative Ion Source by a Double Slit Emittance Meter

Speaker

Takaaki Ishikawa

Alkali-Free Volume Production of He- Ions in Pure Helium Plasma: A Computational Modelling Framework

Speaker

Dr Shubham Singh Baghel

Numerical Analysis of Hydrogen Isotope Effects in NIFS-RNIS using KEIO-MARC with a Rate Equation Model

Speaker

Hayato Soejima

Numerical Analysis of Particle Flux Oscillation on Walls of Radio-Frequency Negative Hydrogen Ion Sources

Speaker

Naomi Kawamura

Investigation of the work function of the LANSCE H- ion source converter

Speaker

Anna Alexander

Status on the TRIUMF's new 300 keV H- injection system

Speaker

Suresh Saminathan

7:00 PM