

Session Program

Jul 26-31, 2026



Nuclear Structure 2026

Poster Session

Simon Fraser University Harbour Centre, Fletcher Challenge Canada
515 West Hastings St, Vancouver, B.C. V6B 5K3

Tue, July 28

6:00 p.m.

Poster Session: Posters

Session |

Location: Simon Fraser University Harbour Centre, Fletcher Challenge Canada, 515 West Hastings St, Vancouver, B.C. V6B 5K3

Convener: Krzysztof Starosta

6:00–6:01 p.m.

Beta-delayed spectroscopy at the proton drip line with RCMP at TRIUMF

Speaker

Emile Cantacuzene

6:01–6:02 p.m.

Chiral doublet bands in $\Lambda^{110,112}\text{Rh}$

Speaker

Enhong Wang

6:02–6:03 p.m.

The Refined Bohr-Mottelson Model for the Description of Collective Motion in Atomic Nuclei

Speaker

Helena Lo

6:03–6:04 p.m.

Development and characterization of SCIGA for direct reaction experiments at RAON

Speaker

Dr Xesus Pereira-Lopez

6:04–6:05 p.m.

Investigating the boundaries of enhanced octupole collectivity in the rare-earth region

Speaker

Pietro Spagnoletti

6:05–6:06 p.m.

Octopi: A Portable Versatile Gamma-ray Spectrometer

Speaker

Alex Woinoski

6:06–6:07 p.m.

FIMP: A Novel Active Implanter for Decay Spectroscopy

Speaker

Jelena Vesic

6:07–6:08 p.m.

Rare decay branches of $A \sim 90$ isomers studied with GRIFFIN using local source production

Speaker

Jonathan Williams

6:08–6:09 p.m.

High-spin intruder structures in ^{32}Si and ^{29}Al

Speaker

Jonathan Williams

6:09–6:10 p.m. The N=126 Factory at Argonne National Laboratory's ATLAS Facility**Speaker**

Matthew Martin

6:10–6:11 p.m.**Direct measurement of single-neutron strength of ^{12}C up to 22 MeV using the $^{11}\text{C}(\text{d},\text{p})$ reaction.****Speaker**

Tsz Leung Tang

6:11–6:12 p.m. Re-emergence of identical bands phenomenon at normal deformation**Speaker**

Pramod Kumar Nayak

6:12–6:13 p.m. Study of shape coexistence in ^{96}Sr via Coulomb excitation experiment**Speaker**

Giacomo Colombi

6:13–6:14 p.m. Ab initio study of ^7Li with coupled mass partitions**Speaker**

Jakub Herko

6:14–6:15 p.m. Beta-Delayed Charged-Particle Emission from ^{20}Mg **Speaker**

Sydney Plante

6:15–6:16 p.m. A data-driven approach to learning about nuclear structure**Speaker**

David Jenkins

6:16–6:17 p.m. Decay Spectroscopy of ^{161}Eu with the GRIFFIN Spectrometer**Speaker**

Jizhong Liu

6:17–6:18 p.m.**Beyond Sphericity in a Semi-Magic Nucleus: Multiple Shape Coexistence in ^{116}Sn** **Speaker**

Marco Siciliano

6:18–6:19 p.m. Mirror energy differences in $T_z = \pm 3/2$ nuclei ^{45}Cr and ^{45}Sc **Speaker**

Denise Lazzaretto

6:19–6:20 p.m.**Lifetime measurements of excited states of ^{210}Pb and ^{200}Pt applying the two-neutron transfer reaction*****Speaker**

Mr C.M. Nickel

6:20–6:21 p.m. Emergence of quadrupole collectivity near shell closures

Speaker

Hannes Mayr

6:21–6:22 p.m.

Probing the s-process via Exclusive Indirect Measurement of the $^{22}\text{Ne}(\alpha, \gamma)^{26}\text{Mg}$ Reaction**Speaker**

Mike Qiu

6:22–6:23 p.m.

Measuring $^{39}\text{K}(^3\text{He}, \alpha)^{38}\text{K}$ with GODDESS to search for energy levels in ^{38}K important for the $^{37}\text{Ar}(p, \gamma)^{38}\text{K}$ reaction rate**Speaker**

Ashwin Nagarajan

6:23–6:24 p.m.

Excitation energies of the low-lying isomeric states in ^{100}Y and ^{102}Y **Speaker**

A.M. Bruce

6:24–6:25 p.m.

Nuclear structure of ^{94}Pd at transition-point between the isoscalar and isovector characteristics**Speaker**

Youngseub Jang

6:25–6:26 p.m.

Enabling Systematic Nuclear Structure Studies Through Automated Level-Scheme Construction**Speaker**

Samantha Buck

6:26–6:27 p.m.

Level Structure and Electromagnetic Transition Character in ^{158}Er from Beta Decay of ^{158}Tm **Speaker**

Abraham Avaa

6:27–6:28 p.m.

Neutron capture resonance structure and cross section measurements of ^{243}Am **Speaker**

Wanpeng Tan

6:28–6:29 p.m.

Structure of Neutron-Rich $^{33,34,35}\text{Mg}$ from β Decay Studies**Speaker**

Dr Smain Sekal

6:29–6:30 p.m.

Insight on shape coexistence in ^{100}Zr through lifetime measurements at GRIFFIN**Speaker**

Konstantin Stoychev

6:30–6:31 p.m.

Study of Multiple Shape Coexistence in ^{110}Cd

Speaker

Samantha Lange

6:31–6:32 p.m.

Coulomb excitation of ^{110}Cd studied with AGATA at LNL**Speaker**

Iwona Piętka

6:32–6:33 p.m.

Towards determination of distribution of magnetization in ^{48}K using b- NMR technique and nuclear DFT approach**Speaker**

Anu Nagpal

6:33–6:34 p.m.

Critical need for DSAM lifetime re-evaluations**Speaker**

Gregory Lane

6:34–6:35 p.m.

Experimental Study of Low-Spin States in ^{42}Ca and ^{44}Ca as a Probe for Shape Coexistence**Speaker**

Massimiliano Luciani

6:35–6:36 p.m.

Probing Spin-Triplet Pairing Through Nuclear Mass Measurements**Speaker**

Alec Cannon

6:36–6:37 p.m.

Measurement of the $^{18}\text{O}(\alpha, \gamma)^{22}\text{Ne}$ reaction to constrain the structure properties of ^{22}Ne resonances**Speaker**

Dhruval Shah

6:37–6:38 p.m.

Target Fragmentation in Hadron Therapy: direct and inverse kinematic measurements**Speaker**

Giuliana Galati

6:38–6:39 p.m.

Fusion-evaporation Cross-section Measurements Near ^{56}Ni Using TIP and TIGRESS at TRIUMF**Speaker**

Heinz Asch

6:39–6:40 p.m.

Coupling of TIGRESS and EMMA with Auxiliary Array TIP at TRIUMF**Speaker**

Heinz Asch

6:40–6:41 p.m.

Characterization of high-spin states in neutron-rich Au isotopes near $N=126$: Regularities and inheritances

Speaker

Youngju Cho

6:41–6:42 p.m.

Developments for nuclear structure studies of heavy nuclides using the mass spectrometer SHIPTRAP**Speaker**

Briain Hartigan

6:42–6:43 p.m.

Precision mass measurement of barium isotopes and implications for double beta decay**Speaker**

Brian Kootte

6:43–6:44 p.m.

Study of key $^{57}\text{Ni}(p,\gamma)^{58}\text{Cu}$ resonances and their impact on nucleosynthesis in supernovae**Speaker**

Scott Carmichael

6:44–6:45 p.m.

Coupled Alpha/Beta/Gamma Detection at SFU with SCI-CASTER and the 8Pi Spectrometer**Speaker**

Andrew Redey

6:45–6:46 p.m.

Benchmarking Interaction Ordering in GRETINA Using Doppler-Corrected Energies and Linear Polarization**Speaker**

Nick Coldiron

6:46–6:47 p.m.

Probing transitional structure and collectivity in neutron-deficient ^{158}Er **Speaker**

Yiyi Zhu

6:47–6:48 p.m.

Development of an Ion Transport and Identification System for Barium Tagging in Liquid Xenon Neutrinoless Double Beta Decay Experiments**Speaker**

Hussain Rasiwala

6:48–6:49 p.m.

In-source laser spectroscopy of ground- and isomeric states of neutron-rich polonium with LIST**Speaker**

Julius Wessolek

6:49–6:50 p.m.

Towards a Revised Picture of Octupole Structure in Neutron-Rich ^{148}Ba **Speaker**

Silvia Murillo Morales

6:50–6:51 p.m.

Precision Mass Measurements of Neutron-Rich Sb Isotopes and Structure Evolution Beyond N=82

Speaker

Pavithra Weligampola

8:00 p.m.