**Program**

**26–31 Jul 2026**


# Nuclear Structure 2026

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

# Sunday 26 July

16:00

**Sunday 26 July**

16:00–18:00

## Registration: Registration

**Session** |

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

18:00

# Monday 27 July

09:00 **Monday 27 July** 09:00–10:30

## EDI & Theory: (Chair: Ritu Kanungo)

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

09:00–09:10 (10m) **Welcome**

09:10–09:40 (30m) **EDI in Physics Collaborations**

**Speaker**
Erica Caden (SNOLAB)

09:40–10:05 (25m) **Nuclear Shell Model on Current and Future Quantum Computers**

**Speaker**
Paul Stevenson (University of Surrey)

10:05–10:30 (25m) **Halo Nuclei from Ab Initio Nuclear Theory**

**Speaker**
Petr Navratil (TRIUMF)

10:30 **Monday 27 July** 10:30–11:00

## Coffee break

**Break**

11:00 **Monday 27 July** 11:00–12:30

## Nuclear Structure in Standard Model Physics: (Chair: Ben Kay)

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

11:00–11:30 (30m) **The Standard Model and Beyond from a Nuclear Structure Perspective**

**Speaker**
Antoine Belley (Massachusetts Institute of Technology)

11:30–11:50 (20m) **Measuring Electroweak Nuclear Properties with Single Molecular Ions in a Penning Trap**

**Speaker**
Charlotte Konig (Texas A&M University)

11:50–12:10 (20m) **Exploring the origin of the reactor antineutrino anomaly: high-resolution β-decay study of 92-Rb**

**Speaker**
Pietro Spagnoletti (University of Liverpool)

12:10–12:30 (20m) **Nuclear structure from higher-order multipole moments**

**Speaker**
Gregory Lane (The Australian National University)

12:30

12:30 **Monday 27 July** 12:30–14:00

## Lunch Break
**Break**

14:00

14:00 **Monday 27 July** 14:00–15:30

## Gamma Spectroscopy following Beta Decay I: (Chair: Francesco Recchia)
**Session** |
**Location:** Simon Fraser University Harbour Centre, Fletcher Challenge Canada, 515 West Hastings St, Vancouver, B.C. V6B 5K3

14:00–14:30 (30m) **Recent Results with the FDSi at FRIB and the new GROVER Detector**

**Speaker**
James Allmond (ORNL)

14:30–14:50 (20m)
**Two Neutrons, Three Discoveries: Using Two-Neutron Energy Correlations to Probe Nuclear Structure from 134In Decay**

**Speaker**
Peter Dyszel (University of Tennessee, Knoxville)

14:50–15:10 (20m) **Erosion of the N=40 Subshell Closure: New Insights from 68Fe**

**Speaker**
Rashmi Umashankar (TRIUMF)

15:10–15:30 (20m) **First β-Decay Spectroscopy Measurements of $^{31}$F and $^{37}$Na Using FDSi**

**Speaker**
Tawfik Gaballah (Mississippi state university)

15:30

15:30 **Monday 27 July** 15:30–16:00

## Coffee break
**Break**

16:00

16:00 **Monday 27 July** 16:00–17:30

## Gamma Spectroscopy following Beta Decay II: (Chair: Kevin Hahn)
**Session** |
**Location:** Simon Fraser University Harbour Centre, Fletcher Challenge Canada, 515 West Hastings St, Vancouver, B.C. V6B 5K3

16:00–16:30 (30m) **Beta-decay spectroscopy with laser-polarized beams at CERN ISOLDE**

**Speaker**
Monika Piersa-Siłkowska (University of Tennessee & Universidad Complutense de Madrid)

16:30–16:50 (20m)
**Nuclear structure of $^{114}$Sn via $\beta$ decay of $^{114}$Sb with GRIFFIN**

**Speaker**
Madhu Madhu (Simon Fraser University)

16:50–17:10 (20m) **Exploring the structure of nuclei with A  100 via β decay**

**Speaker**
Desislava Kalaydjieva (University of Guelph)

17:10–17:30 (20m) **Electrons for Neutrinos: from MAMI to MESA**

**Speaker**
Luca Doria (Johannes Gutenberg University Mainz)

17:30

18:00

**Monday 27 July** 18:00–20:00

## Reception

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

20:00

# Tuesday 28 July

09:00 **Tuesday 28 July** 09:00–10:30

## Nuclear Structure in Astrophysics: (Chair: David Jenkins)

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

09:00–09:30 (30m) **Nuclear structure for X-ray burst models via beta decay at FRIB**

**Speaker**
Christopher Wrede (Michigan State University and Facility for Rare Isotope Beams)

09:30–09:50 (20m) **Probing explosive nucleosynthesis with radioactive beams**

**Speaker**
Artemis Tsantiri (University of Regina)

09:50–10:10 (20m) **Direct Neutron Capture Measurements with a Storage Ring**

**Speaker**
Iris Dillmann (TRIUMF)

10:10–10:30 (20m) **ORRUBA: two decades of discovery**

**Speaker**
Kate Jones (University of Tennessee)

10:30

10:30 **Tuesday 28 July** 10:30–11:00

## Coffee Break

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

11:00

11:00 **Tuesday 28 July** 11:00–12:30

## Halo Nuclei: (Chair: Alan Wuosmaa)

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

11:00–11:30 (30m) **Coulomb Breakup and soft E1 excitation of Halo Nuclei**

**Speaker**
Takashi Nakamura (Institute of Science Tokyo)

11:30–11:50 (20m) **First spectroscopic study with direct reactions at RAON**

**Speaker**
Xesus Pereira-Lopez (CENS, IBS)

11:50–12:10 (20m)
**Study of the structure of neutron-rich isotopes 23, 24, 25F in inverse kinematics with the R3B experimental setup at GSI/FAIR**

**Speaker**
Pablo González Rusell (USC (IGFAE))

12:10–12:30 (20m)

**Probing Halo Structure in the 1/2$^{+}$ Excited State of $^{17}$C via Interaction Cross Section Measurements**

**Speaker**
Andrew Douglas (FRIB/Michigan State University)

12:30

12:30 **Tuesday 28 July** 12:30–14:00

## Lunch

**Break**

14:00

14:00 **Tuesday 28 July** 14:00–15:30

## Single Particle Structure: (Chair: Alison Bruce)

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

14:00–14:30 (30m) **A universal fate for spin-orbit partners in the weak-binding regime?**

**Speaker**
Benjamin Kay (Argonne National Laboratory)

14:30–14:50 (20m)

**Abrupt structural transition in exotic molybdenum isotopes unveils an isospin-symmetric island of inversion**

**Speaker**
Francesco Recchia (University of Padova and INFN)

14:50–15:10 (20m) **Direct Observation of Superallowed Alpha Decay of 104Te**

**Speaker**
Ian Cox (Argonne National Laboratory)

15:10–15:30 (20m)

**Fast-Beam One-Neutron Pickup Reactions: A Selective Probe of High-ℓ States**

**Speaker**
Thomas Parry (Facility for Rare Isotope Beams)

15:30

15:30 **Tuesday 28 July** 15:30–16:00

## Coffee Break

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

16:00

16:00 **Tuesday 28 July** 16:00–17:30

## Instrumentation and Facilities I: (Chair: Greg Lane)

**Session** |

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

16:00–16:30 (30m) **The Gamma Ray Energy Tracking Array - GRETA**

**Speaker**
Heather Crawford (Lawrence Berkeley National Laboratory)

16:30–16:50 (20m) **Recent results on the double-gamma decay**

**Speaker**
Michael Weinert

16:50–17:10 (20m) **Neutron spectroscopy at the FRIB Decay Station Initiator**

**Speaker**
Robert Grzywacz (University of Tennessee)

17:10–17:30 (20m)
**Study of shape coexistence and triaxial deformation in 56Cr using AGATA spectrometer: The puzzling B(E2) values**

**Speaker**
Julgen Pellumaj (INFN-Padova, University of Padova)

17:30

17:30 **Tuesday 28 July** 17:30–18:00

## Break

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

18:00

18:00 **Tuesday 28 July** 18:00–20:00

## 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 (SFU)

18:00–18:01 (1m) **Beta-delayed spectroscopy at the proton drip line with RCMP at TRIUMF**

**Speaker**
Emile Cantacuzene (University of Regina)

18:01–18:02 (1m) **Chiral doublet bands in $^{110,112}$Rh**

**Speaker**
Enhong Wang (Shandong University)

18:02–18:03 (1m)
**The Refined Bohr-Mottelson Model for the Description of Collective Motion in Atomic Nuclei**

**Speaker**
Helena Lo (Simon Fraser University)

18:03–18:04 (1m)
**Development and characterization of SCIGA for direct reaction experiments at RAON**

**Speaker**
Xesus Pereira-Lopez (CENS, IBS)

18:04–18:05 (1m)
### Investigating the boundaries of enhanced octupole collectivity in the rare-earth region

**Speaker**
Pietro Spagnoletti (University of Liverpool)

18:05–18:06 (1m)
### Octopi: A Portable Versatile Gamma-ray Spectrometer

**Speaker**
Alex Woinoski

18:06–18:07 (1m)
### FIMP: A Novel Active Implanter for Decay Spectroscopy

**Speaker**
Jelena Vesic (Jozef Stefan Institute, Ljubljana, Slovenia)

18:07–18:08 (1m)
### High-spin intruder structures in 32Si and 29Al

**Speaker**
Jonathan Williams (TRIUMF)

18:08–18:09 (1m)
### The N=126 Factory at Argonne National Laboratory's ATLAS Facility

**Speaker**
Matthew Martin (Argonne National Laboratory)

18:09–18:10 (1m)
### Direct measurement of single-neutron strength of 12C up to 22 MeV using the 11C(d,p) reaction.

**Speaker**
Tsz Leung Tang (Argonne National Laboratory)

18:10–18:11 (1m)
### Re-emergence of identical bands phenomenon at normal deformation

**Speaker**
Pramod Kumar Nayak (Bhabha Atomic Research Centre, Mumbai 400085, India & Homi Bhabha National Institute, Anushaktinagar, Mumbai 400094, India)

18:11–18:12 (1m)
### Study of shape coexistence in Sr-96 via Coulomb excitation experiment

**Speaker**
Giacomo Colombi (University of Guelph)

18:12–18:13 (1m)
### Ab initio study of 7Li with coupled mass partitions

**Speaker**
Jakub Herko (TRIUMF)

18:13–18:14 (1m)
### Beta-Delayed Charged-Particle Emission from 20Mg

**Speaker**
Sydney Plante (University of Regina)

18:14–18:15 (1m)
### A data-driven approach to learning about nuclear structure

**Speaker**
David Jenkins (University of York)

18:15–18:16 (1m) **Decay Spectroscopy of 161Eu with the GRIFFIN Spectrometer**

**Speaker**
Jizhong Liu (TRIUMF/UVic)

18:16–18:17 (1m) **Mirror energy differences in $T_z=\mp3/2$ nuclei $^{45}$Cr and $^{45}$Sc**

**Speaker**
Denise Lazzaretto (University of Jyväskylä)

18:17–18:18 (1m)

**Lifetime measurements of excited states of $^{210}$Pb and $^{200}$Pt applying the two-neutron transfer reaction***

**Speaker**
C.M. Nickel (Institute for Nuclear Physics, Dept. of Physics, Technische Universität Darmstadt, Darmstadt, Germany)

18:18–18:19 (1m) **Emergence of quadrupole collectivity near shell closures**

**Speaker**
Hannes Mayr

18:19–18:20 (1m)

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

**Speaker**
Mike Qiu (TRIUMF)

18:20–18:21 (1m)

**Measuring 39K(3He,α)38K with GODDESS to search for energy levels in 38K important for the 37Ar(p,γ)38K reaction rate**

**Speaker**
Ashwin Nagarajan

18:21–18:22 (1m) **Excitation energies of the low-lying isomeric states in 100-Y and 102-Y**

**Speaker**
A.M. Bruce (University of Brighton)

18:22–18:23 (1m)

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

**Speaker**
Youngseub Jang (Korea University, Center for Exotic Nuclear Studies, Institute for Basic Science)

18:23–18:24 (1m)

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

**Speaker**
Samantha Buck (University of Guelph)

18:24–18:25 (1m)

**Level Structure and Electromagnetic Transition Character in 158Er from Beta Decay of 158Tm**

**Speaker**
Abraham Avaa (TRIUMF)

18:25–18:26 (1m)

**Neutron capture resonance structure and cross section measurements of 243Am**

**Speaker**
Wanpeng Tan

18:26–18:27 (1m) **Structure of Neutron-Rich $^{33,34,35}$Mg from $\beta$ Decay Studies**

**Speaker**
Smain Sekal (Tennesse tech university)

18:27–18:28 (1m)

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

**Speaker**
Konstantin Stoychev (University of Guelph)

18:28–18:29 (1m) **Study of Multiple Shape Coexistence in 110Cd**

**Speaker**
Samantha Lange (University of Guelph)

18:29–18:30 (1m) **Coulomb excitation of 110Cd studied with AGATA at LNL**

**Speaker**
Iwona Piętka (Heavy Ion Laboratory, University of Warsaw, Poland)

18:30–18:31 (1m)

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

**Speaker**
Anu Nagpal (University of York, UK)

18:31–18:32 (1m) **Critical need for DSAM lifetime re-evaluations**

**Speaker**
Gregory Lane (The Australian National University)

18:32–18:33 (1m)

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

**Speaker**
Massimiliano Luciani (Università degli Studi di Milano, INFN Sezione di Milano)

18:33–18:34 (1m) **Probing Spin-Triplet Pairing Through Nuclear Mass Measurements**

**Speaker**
Alec Cannon (University of Victoria)

18:34–18:35 (1m)

**Measurement of the 18O(α, γ)22Ne reaction to constrain the structure properties of 22Ne resonances**

**Speaker**
Dhruval Shah (McMaster University)

18:35–18:36 (1m)

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

**Speaker**
Giuliana Galati (Università di Bari Aldo Moro & INFN Bari)

18:36–18:37 (1m)
### Fusion-evaporation Cross-section Measurements Near 56Ni Using TIP and TIGRESS at TRIUMF

**Speaker**
Heinz Asch (Simon Fraser University)

18:37–18:38 (1m)
### Coupling of TIGRESS and EMMA with Auxiliary Array TIP at TRIUMF

**Speaker**
Heinz Asch (Simon Fraser University)

18:38–18:39 (1m)
### Characterization of high-spin states in neutron-rich Au isotopes near N=126: Regularities and inheritances

**Speaker**
Youngju Cho (Argonne National Laboratory)

18:39–18:40 (1m)
### Developments for nuclear structure studies of heavy nuclides using the mass spectrometer SHIPTRAP

**Speaker**
Briain Hartigan (JGU Mainz)

18:40–18:41 (1m)
### Precision mass measurement of barium isotopes and implications for double beta decay

**Speaker**
Brian Kootte

18:41–18:42 (1m)
### Study of key $^{57}$Ni(p,$\gamma$)$^{58}$Cu resonances and their impact on nucleosynthesis in supernovae

**Speaker**
Scott Carmichael (Argonne National Laboratory)

18:42–18:43 (1m)
### Coupled Alpha/Beta/Gamma Detection at SFU with SCI-CASTER and the 8Pi Spectrometer

**Speaker**
Andrew Redey (Simon Fraser University)

18:43–18:44 (1m)
### Benchmarking Interaction Ordering in GRETINA Using Doppler-Corrected Energies and Linear Polarization

**Speaker**
Nick Coldiron (University of Massachusetts Lowell)

18:44–18:45 (1m)
### Probing transitional structure and collectivity in neutron-deficient 158Er

**Speaker**
Yiyi Zhu

18:45–18:46 (1m)

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

**Speaker**
Hussain Rasiwala (McGill University)

18:46–18:47 (1m)

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

**Speaker**
Julius Wessolek (TRIUMF)

18:47–18:48 (1m) **Towards a Revised Picture of Octupole Structure in Neutron-Rich $^{148}$Ba**

**Speaker**
Silvia Murillo Morales (TRIUMF)

18:48–18:49 (1m)

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

**Speaker**
Pavithra Weligampola (TRIUMF)

18:49–18:50 (1m)

**Calibration of $^{120}{}{\text{Sn}}$ Spectroscopic Data Obtained from Thermal Neutron Capture at FIPPS**

**Speaker**
Cassia McDonald (Simon Fraser University)

18:50–18:51 (1m) **Investigating Negative-Parity States in $^{118}$Sn with GRIFFIN**

**Speaker**
Jonathan Ash-Roberts (Simon Fraser University)

20:00

# Wednesday 29 July

08:50 **Wednesday 29 July** 08:50–09:00

## In Memoriam - Rod Clark

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

09:00

09:00 **Wednesday 29 July** 09:00–10:30

## Structure of Superheavy Nuclei: (Chair: Heather Crawford)

**Session**

09:00–09:30 (30m) **Shaking up the Periodic Table with Superheavy Element Molecules**

**Speaker**
Jennifer Pore (Lawrence Berkeley National Laboratory)

09:30–09:50 (20m)
**Hyperfine spectroscopy of the $K=8^-$ isomer in $^{254}$No with JetRIS resolving a 20-year-old debate**

**Speaker**
Fedor Ivandikov (KU Leuven)

09:50–10:10 (20m) **Laser spectroscopy of heavy actinides**

**Speaker**
Sebastian Raeder

10:10–10:30 (20m) **In-beam $\gamma$-ray spectroscopy of $^{249,251}$Md**

**Speaker**
Corrigan Appleton (LBNL)

10:30

10:30 **Wednesday 29 July** 10:30–11:00

## Coffee break

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

11:00

11:00 **Wednesday 29 July** 11:00–12:30

## Instrumentation and Facilities II: (Chair: Liss Vazquez Rodriguez)

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

11:00–11:30 (30m)
**ACTAR TPC Studies of Direct and Resonant Reactions: Insights from the TRIUMF campaign**

**Speaker**
Beatriz Fernandez Dominguez (University of Santiago de Compostela)

11:30–11:50 (20m)

### Determination of the electromagnetic nature of the Low Energy Enhancement in the γ-ray strength function of 70Zn

**Speaker**
Eleanor Ronning (INFN Padova)

11:50–12:10 (20m)

### Charge Radii of 52,53Ni from Precision Laser Spectroscopy

**Speaker**
Adam Dockery (Michigan State University / Facility for Rare Isotope Beams)

12:10–12:30 (20m)

### Support for multiple shape coexistence: the first lifetime measurements of the $0^+_3$ states in $^{118}$Sn and $^{120}$Sn

**Speaker**
Frank (Tongan) Wu (Simon Fraser University)

12:30

12:30 **Wednesday 29 July** 12:30–14:00

## Lunch

**Break**

14:00

14:00 **Wednesday 29 July** 14:00–17:30

## Free afternoon

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

17:30

14:00 **Wednesday 29 July** 14:00–16:30

## TRIUMF Tour (optional- registration needed)

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

16:30

# Thursday 30 July

09:00 **Thursday 30 July** 09:00–10:30

## Shape Coexistence: (Chair: James Allmond)

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

09:00–09:30 (30m) **Shape coexistence studied with Coulomb excitation and AGATA**

**Speaker**
Magda Zielinska, (CEA Saclay)

09:30–09:50 (20m)
**Search for Shape Coexistence Signatures in 100Ru using Thermal Neutron Capture Reaction.**

**Speaker**
Sangeet Pannu (University Of Guelph)

09:50–10:10 (20m) **Shape transitions of the 2+ states in 106,108,110Sn from Coulomb excitation**

**Speaker**
Jason Park (Lund University/Hope College)

10:10–10:30 (20m)
**Investigating the deformation of intruder states in 79Zn via Coulomb excitation**

**Speaker**
Filippo Angelini (GSI)

10:30 **Thursday 30 July** 10:30–11:00

## Coffee break

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

11:00 **Thursday 30 July** 11:00–12:30

## Shell Evolution: (Chair: Robert Grzywacz)

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

11:00–11:30 (30m) **Investigations of the unbound states in 20C**

**Speaker**
Sidong Chen (University of York)

11:30–11:50 (20m)
**Neutron knockout from titanium isotopes near the new magic numbers N=32,34**

**Speaker**
Martha Reece (GSI)

11:50–12:10 (20m)

**Rare decay branches of A ~ 90 isomers studied with GRIFFIN using local source production**

**Speaker**
Jonathan Williams (TRIUMF)

12:10–12:30 (20m)

**Beyond Sphericity in a Semi-Magic Nucleus: Multiple Shape Coexistence in $^{116}$Sn**

**Speaker**
Marco Siciliano (Argonne National Laboratory)

12:30

12:30 **Thursday 30 July** 12:30–14:00

## Lunch

**Break**

14:00

14:00 **Thursday 30 July** 14:00–15:30

## Structure of Light Nuclei: (Chair: Roelof Bijker)

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

14:00–14:30 (30m) **Recent developments of ab initio calculations in light nuclei**

**Speaker**
Sonia Bacca (Johannes Gutenberg University)

14:30–14:50 (20m)

**Approaching the N=20 Island of Inversion with the $^{29}$Mg(d,p)$^{30}$Mg reaction**

**Speaker**
Alan Wuosmaa (University of Connecticut)

14:50–15:10 (20m) **Experimental Study of Electromagnetic Transitions in Neutron-rich $^{22}$F**

**Speaker**
Muzafar Ibrahim (University of Massachusetts Lowell)

15:10–15:30 (20m) **Exploring Configurations in Neutron-Rich Si Isotopes**

**Speaker**
Matthew Martin (Argonne National Laboratory)

15:30

15:30 **Thursday 30 July** 15:30–16:00

## Coffee Break

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

16:00

16:00 **Thursday 30 July** 16:00–17:30

## Special Topics: (Chair: Sonia Bacca)

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

16:00–16:30 (30m)

### Recent Results on Nuclear Structure from the University of Jyväskylä Accelerator Laboratory

**Speaker**
Panu Ruotsalainen (University of Jyväskylä)

16:30–16:50 (20m)

### Excited-State Lifetime Measurements in Neutron-Rich Ca, Ar Isotopes at INFN LNL

**Speaker**
Beau Greaves (INFN-LNL)

16:50–17:10 (20m) **Low-Energy Coulomb Excitation of Neutron Deficient 106,108Sn**

**Speaker**
Daniel Rhodes (Lawrence Livermore National Lab)

17:10–17:30 (20m) **Student Poster Award**

**Speaker**
Guest Guest

17:30

18:00 **Thursday 30 July** 18:00–21:00

## Conference Dinner

**Session** | **Location:** Rogue Kitchen & Wetbar, 601 W Cordova St, Vancouver

21:00

# Friday 31 July

09:00 **Friday 31 July** 09:00–10:30

## Masses and Nuclear Structure: (Chair: Panu Ruotsalainen)

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

### Description

Friday morning first session

09:00–09:30 (30m)

### Results from Commissioning Nuclear Structure Experiments at RAON and the CENS Experimental Program

**Speaker**
Kevin Insik Hahn (Center for Exotic Nuclear Studies, IBS)

09:30–09:50 (20m)

### Mass measurements of neutron-rich barium isotopes for the r-process and probing the evolution of nuclear structure

**Speaker**
Simon Rausch (University of Jyväskylä)

09:50–10:10 (20m)

### Precision Mass Measurements of N  Z Nuclei Near the Proton Dripline around A  80

**Speaker**
Hannah Erington (The Facility for Rare Isotope Beams (Michigan State University))

10:10–10:30 (20m)

### Nuclear structure studies of neutron-rich lanthanides using precision mass spectrometry at TITAN, TRIUMF

**Speaker**
Dwaipayan Ray

10:30 **Friday 31 July** 10:30–11:00

## Coffee Break

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

11:00

11:00 **Friday 31 July** 11:00–12:30

## Nuclear Structure from Atomic Structure: (Chair: Sebastian Raeder)

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

11:00–11:30 (30m)

### New frontiers in collinear laser spectroscopy at COLLAPS: Shell structure in exotic Ca isotopes

**Speaker**
Liss Vazquez Rodriguez (Max Planck Institute for Nuclear Physics)

11:30–11:50 (20m) **Charge Radii and Magnetic Moments of Neutron-Rich Silicon Isotopes**

**Speaker**
Fabian Camilo Pastrana Cruz (Massachusetts Institute of Technology)

11:50–12:10 (20m)

**Laser-radio-frequency double-resonance spectroscopy of 209Bi for the extraction of its nuclear magnetic octupole moment**

**Speaker**
Anita Candiello (Instituut voor Kern- en Stralingsfysica, KU Leuven, 3001 Leuven, Belgium)

12:10–12:30 (20m) **Collinear Laser Spectroscopy far from stability: Mg and Cd**

**Speaker**
Anthony Roitman (McGill University)

12:30

12:30 **Friday 31 July** 12:30–12:45

**Closing: Chair: Corina Andreoiu**
**Session** |
**Location:** Simon Fraser University Harbour Centre, Fletcher Challenge Canada, 515 West Hastings St, Vancouver, B.C. V6B 5K3

12:45