

Nuclear Structure 2026 Schedule At A Glance

Monday July 27	Tuesday July 28	Wednesday July 29	Thursday July 30	Friday July 31
09:00 -- EDI & Theory (Chair: Ritu Kanungo)	09:00 -- Nuclear Structure in Astrophysics (Chair: David Jenkins)	08:50 -- Structure of Superheavy Nuclei (Chair: Heather Crawford)	09:00 -- Shape Coexistence (Chair: James Allmond)	09:00 -- Masses and Nuclear Structure (Chair: Panu Ruotsalainen)
09:00 -- Welcome , Corina Andreoiu and Ritu Kanungo	09:00 -- Christopher Wrede , <i>Nuclear structure for X-ray burst models via beta decay at FRIB</i>	08:50 -- In Memoriam : Rod Clark		
09:10 -- Erica Caden , <i>EDI in Physics Collaborations</i>	09:30 -- Artemis Tsantiri , <i>Probing explosive nucleosynthesis with radioactive beams</i>	09:00 -- Jennifer Pore , <i>Shaking up the Periodic Table with Superheavy Element Molecules</i>	09:00 -- Magda Zielenska , <i>Shape coexistence studied with Coulomb excitation and AGATA</i>	09:00 -- Kevin Insik Hahn , <i>Results from Commissioning Nuclear Structure Experiments at RAON and the CENS Experimental Program</i>
09:40 -- Paul Stevenson , <i>Nuclear Shell Model on Current and Future Quantum Computers</i>	09:50 -- Iris Dillmann , <i>Direct Neutron Capture Measurements with a Storage Ring</i>	09:30 -- Fedor Ivandikov , <i>Hyperfine spectroscopy of the K=8- isomer in ²⁵⁴No with JetRIS resolving a 20-year-old debate</i>	09:30 -- Sangeet Pannu , <i>Search for Shape Coexistence Signatures in ¹⁰⁰Ru using Thermal Neutron Capture ...</i>	09:30 -- Simon Rausch , <i>Mass measurements of neutron-rich barium isotopes for the r-process and probing the evolution of nuclear structure</i>
10:05 -- Petr Navratil , <i>Halo Nuclei from Ab Initio Nuclear Theory</i>	10:10 -- Kate Jones , <i>ORRUBA: two decades of discovery</i>	09:50 -- Sebastian Raeder , <i>Laser spectroscopy of heavy actinides</i>	09:50 -- Jason Park , <i>Shape transitions of the 2+ states in ^{106,108,110}Sn from Coulomb excitation</i>	09:50 -- Hannah Erington , <i>Precision Mass Measurements of N≈Z Nuclei Near the Proton Dripline around A≈80</i>
10:10 -- Filippo Angelini , <i>Investigating the deformation of intruder states in ⁷⁹Zn via Coulomb excitation</i>		10:10 -- Corigan Appleton , <i>In-beam gamma-ray spectroscopy of ^{249,251}Md</i>		10:10 -- Dwaipayan Ray , <i>Nuclear structure studies of neutron-rich lanthanides using precision ...</i>
10:30 -- Coffee	10:30 -- Coffee	10:30 -- Coffee	10:30 -- Coffee	10:30 -- Coffee
11:00 -- Nuclear Structure in Standard Model Physics (Chair: Ben Kay)	11:00 -- Halo Nuclei (Chair: Alan Wuosmaa)	11:00 -- Instrumentation and Facilities II (Chair: Liss Vazquez Rodriguez)	11:00 -- Shell Evolution (Chair: Robert Grzywacz)	11:00 -- Nuclear Structure from Atomic Structure (Chair: Sebastian Raeder)
11:00 -- Antoine Belley , <i>The Standard Model and Beyond from a Nuclear Structure Perspective</i>	11:00 -- Takashi Nakamura , <i>Coulomb Breakup and soft E1 excitation of Halo Nuclei</i>	11:00 -- Beatriz Fernandez Dominguez , <i>ACTAR TPC Studies of Direct and Resonant Reactions: Insights from the TRIUMF campaign</i>	11:00 -- Sidong Chen , <i>Investigations of the unbound states in ²⁰C</i>	11:00 -- Liss Vazquez Rodriguez , <i>New frontiers in collinear laser spectroscopy at COLLAPS: Shell structure in exotic Ca isotopes</i>
11:30 -- Charlotte Konig , <i>Measuring Electroweak Nuclear Properties with Single Molecular Ions in a Penning Trap</i>	11:30 -- Xesus Pereira-Lopez , <i>First spectroscopic study with direct reactions at RAON</i>	11:30 -- Eleanor Ronning , <i>Determination of the electromagnetic nature of the Low Energy Enhancement in the γ-ray strength function of ⁷⁰Zn</i>	11:30 -- Martha Reece , <i>Neutron knockout from titanium isotopes near the new magic numbers N=32,34</i>	11:30 -- Fabian Camilo Pastrana Cruz , <i>Charge Radii and Magnetic Moments of Neutron-Rich Silicon Isotopes</i>
11:50 -- Pietro Spagnoletti , <i>Exploring the origin of the reactor antineutrino anomaly: high-resolution β-decay study of ⁹²Rb</i>	11:50 -- Pablo González Russell , <i>Study of the structure of neutron-rich isotopes ^{23,24,25}F in inverse kinematics with the R3B experimental ...</i>	11:50 -- Adam Dockery , <i>Charge Radii of ^{52,53}Ni from Precision Laser Spectroscopy</i>	11:50 -- Jonathan Williams , <i>Rare decay branches of A ~ 90 isomers studied with GRIFFIN using local source production</i>	11:50 -- Anita Candiello , <i>Laser-radio-frequency double-resonance spectroscopy of ²⁰⁹Bi for ...</i>
12:10 -- Greg Lane , <i>Nuclear structure from higher-order multipole moments</i>	12:10 -- Andrew Douglas , <i>Probing Halo Structure in the 1/2+ Excited State of ¹⁷C via Interaction Cross Section Measurements</i>	12:10 -- Frank Wu , <i>Support for multiple coexistence: the first lifetime measurements of the 0+3 states in ¹¹⁸Sn and ¹²⁰Sn</i>	12:10 -- Marco Siciliano , <i>Beyond Sphericity in a Semi-Magic Nucleus: Multiple Shape Coexistence in ¹¹⁶Sn</i>	12:10 -- Anthony Roitman , <i>Collinear Laser Spectroscopy far from stability: Mg and Cd</i>
12:30 -- Lunch Break	12:30 -- Lunch Break	12:30 -- Lunch Break	12:30 -- Lunch Break	12:30 -- Closing (Corina Andreoiu)
14:00 -- Gamma Spectroscopy following Beta Decay I (Chair: Francesco Recchia)	14:00 -- Single-Particle Structure (Chair: Alison Bruce)	14:00 -- TRIUMF Tour (Optional, registration required; otherwise free time)	14:00 -- Structure of Light Nuclei (Chair: Roelof Bijker)	
14:00 -- James Allmond , <i>Recent Results with the FDSi at FRIB and the new GROVER Detector</i>	14:00 -- Ben Kay , <i>A universal fate for spin-orbit partners in the weak-binding regime?</i>		14:00 -- Sonia Bacca , <i>Recent developments of ab initio calculations in light nuclei</i>	
14:30 -- Peter Dyszel , <i>Two Neutrons, Three Discoveries: Using Two-Neutron Energy Correlations to Probe Nuclear Structure ...</i>	14:30 -- Francesco Recchia , <i>Abupt structural transition in exotic molybdenum isotopes unveils an isospin-symmetric island of inversion</i>		14:30 -- Alan Wuosmaa , <i>Approaching the N=20 Island of Inversion with the ²⁹Mg(d,p)³⁰Mg reaction</i>	
14:50 -- Rashmi Umashankar , <i>Erosion of the N=40 Subshell Closure: New Insights from ⁶⁸Fe</i>	14:50 -- Ian Cox , <i>Direct Observation of Superallowed Alpha Decay of ¹⁰⁴Te</i>		14:50 -- Muzafar Ibrahim , <i>Experimental Study of Electromagnetic Transitions in Neutron-rich ²²F</i>	
15:10 -- Tawfik Gaballah , <i>First β-Decay Spectroscopy Measurements of ³¹F and ³⁷Na Using FDSi</i>	15:10 -- Thomas Parry , <i>Fast-Beam One-Neutron Pickup Reactions: A Selective Probe of High-ℓ States</i>		15:10 -- Matthew Martin , <i>Exploring Configurations in Neutron-Rich Si Isotopes</i>	
15:30 -- Coffee	15:30 -- Coffee		15:30 -- Coffee	
16:00 -- Gamma Spectroscopy following Beta Decay II (Chair: Kevin Hahn)	16:00 -- Instrumentation and Facilities I (Chair: Greg Lane)		16:00 -- Special Topics (Chair: Sonia Bacca)	
16:00 -- Monika Piersa-Silkowska , <i>Beta-decay spectroscopy with laser-polarized beams at CERN ISOLDE</i>	16:00 -- Heather Crawford , <i>The Gamma Ray Energy Tracking Array - GRETA</i>		16:00 -- Panu Ruotsalainen , <i>Recent Results on Nuclear Structure from the University of Jyväskylä Accelerator Laboratory</i>	
16:30 -- Madhu Madhu , <i>Nuclear structure of ¹¹⁴Sn via beta decay of ¹¹⁴Sb with GRIFFIN</i>	16:30 -- Michael Weinert , <i>Recent results on the double-gamma decay</i>		16:30 -- Beau Greaves , <i>Excited-State Lifetime Measurements in Neutron-Rich Ca, Ar Isotopes at INFN LNL</i>	
16:50 -- Desislava Kalaydjieva , <i>Exploring the structure of nuclei with A≈100 via β decay</i>	16:50 -- Robert Grzywacz , <i>Neutron spectroscopy at the FRIB Decay Station Initiator</i>		16:50 -- Daniel Rhodes , <i>Low-Energy Coulomb Excitation of Neutron Deficient ^{106,108}Sn</i>	
17:10 -- Luca Doria , <i>Electrons for Neutrinos: from MAMI to MESA</i>	17:10 -- Julgen Pellumaj , <i>Study of shape coexistence and triaxial deformation in ⁵⁶Cr using AGATA spectrometer: the puzzling B(E2)...</i>		17:10 -- Poster Prize Winner (TBA)	
17:30 -- Break	17:30 -- Break		17:30 -- Break	
18:00 -- Reception	18:00 -- Poster Session		18:00 -- Conference Dinner	