

NOTE THAT THE WELCOME FUNCTION IS ON 23 NOVEMBER 2025 AT 18H30 AT MOYO, KIRSTENBOSCH GARDENS (BUS DEPARTS ITHEMBA LABS AT 18H00)						
	Monday 24 November 2025				Tuesday 25 November 2025	
	iThemba LABS Auditorium				iThemba LABS Auditorium	
09:00	Welcome from the Conference Organisers and Safety Briefing - Dr Lindsay Donaldson - Co-Chair of the LOC			09:00	Workshop Session A	Mathis Wiedeking - 115 <i>Constraining Neutron-Capture Cross Sections with Quasi-Continuum Nuclear Data</i>
09:10	Welcome from iThemba LABS - Prof Victor Tshivhase - MD of iThemba LABS			09:25		Q&A with Short Discussion
09:15	Keynote Address - Dr Fulufhelo Nelwamondo - CEO of NRF			09:30		Stephan Malbrunot-Ettenauer - 119 <i>Collinear laser spectroscopy for the investigation of short-lived radionuclides</i>
09:30	Session 1	Opening Session	Andy Buffler - 17 (Note: 40 minutes) <i>The Proton Therapy Initiative at the University of Cape Town</i>	09:55		Q&A with Short Discussion
10:10			Kalliopi Kanaki - 102 <i>IAEA activities in support of nuclear physics research and applications</i>	10:00		Smarajit Triambak - 114 <i>Nuclear structure for fundamental symmetry tests: Probing the quark and neutrino sectors with low-energy stable beams</i>
10:35			Kgashane Malatji - 87 <i>Physics using the H-line at iThemba LABS</i>	10:25		Q&A with Short Discussion
11:00			Thuthukile Khumalo - 46 <i>NUMEN project experimental studies with the K600 spectrometer and MAGNEX detector</i>	10:30	Coffee/Tea Break	
11:15	Conference Photograph			11:00	Session 5	Katarzyna Wrzosek-Lipska - 25 <i>Multiple shape coexistence in Cd isotopes studied with Coulomb excitation</i>
11:20	Coffee/Tea Break			11:25		Marco Rocchini - 34 <i>Spherical-oblate shape coexistence in 94Zr and the SPIDER Coulomb-excitation campaign at LNL</i>
11:45	Session 2	Facilities and Instrumentation	Grzegorz Kaminski - 53 <i>Status of research at the FLNR, JINR</i>	11:50		Andreas G3rgen - 36 <i>Triaxiality of neutron-rich ruthenium nuclei studied by lifetime measurements</i>
12:10			Gopal Mukherjee - 83 <i>Investigation of axial and non-axial deformed shapes in nuclei at VECC</i>	12:05		Gabriela Thiamova - 2 <i>Triaxiality in Mo and Ru nuclei</i>
12:35			Pete Jones - 86 <i>Portable African Neutron-Gamma Laboratory for Innovative Nuclear Science</i>	12:20		Abraham Aava - 40 <i>Evidence for Shape coexistence and configuration mixing in 158Er via β-decay of Tm isotope</i>
12:50			Lunch			12:35
14:00	Session 3	Nuclear Structure, Reactions and Dynamics	Oliver Wieland - 90 <i>Search for E1 extra strength below giant dipole resonance</i>	12:50	Lunch	
14:25			Michael Weinert - 95 <i>On the Nature of the Pygmy Dipole Resonance studied in (γ,γ'), (p,p') and (α,α') Experiments</i>	14:00	Session 6	Tshegofatso Bokhutlo - 60 <i>Characterization of instrumental background in a (p,γ) reaction studied at the iThemba LABS Tandatron facility</i>
14:50			Refilwe Molaeng - 105 <i>Study of the K quantum number of pygmy states in 154Sm</i>	14:15		Skye Segal - 28 <i>Progress in ion source development at the Low Energy Radioactive Ion Beam (LERIB) facility at iThemba LABS</i>
15:05			Sebenzile Pretty Engelinah Magagula - 45 <i>Indirect experimental technique for constraining the 193,194Ir(n, γ) cross sections</i>	14:30		Mauro Romoli - 39 <i>Measurements of angular distributions of light particles at energies of astrophysical interest with GASTLY apparatus</i>
15:20			Mhlangano Nkalanga - 73 <i>Electromagnetic and thermodynamic properties in the quasi-continuum of mid-mass nuclei through inverse and direct</i>	14:45		Semen Mitrofanov - 79 <i>The DC-140 project: new multipurpose applied science facility at FLNR JINR Accelerator Complex</i>
15:40	Coffee/Tea Break			15:00	Coffee/Tea Break	
16:10	Session 4	Nuclear Structure, Reactions and Dynamics	Kenjiro Miki - 91 <i>Systematic study of 3n and 3p Systems</i>	15:30	Session 7	Thomas Elias Cocolios - 89 <i>From uNuclear to Nuclear: How nuclear science contributes to our society</i>
16:35			Soumya Bagchi - 29 <i>Collective Excitations in Rare-Earth Nuclei: Insights from Isoscalar Giant Resonances</i>	15:55		Bo Cederwall - 37 <i>Neutron-gamma emission tomography for security and non-proliferation applications</i>
17:00			Lesedi Jafta - 65 <i>Extraction of the Giant Monopole Resonance strength distribution with Multipole Decomposition Analysis</i>	16:10		Shanyyn-Dee Hart - 80 <i>Building a Hybrid Compton Camera System for Improving Medical Imaging Applications</i>
17:15			Benjamin Wellons - 16 <i>Constructing a calibration standard for photoneutron measurements by extracting cross sections of the giant-dipole resonance response in the heavy nucleus 169Tm</i>	16:25		Thomas Leadbeater - 52 <i>Teaching Old PETs New Signals</i>
17:30			Giovanna Montagnoli - 49 <i>The trend of 12C + 28Si fusion far below the barrier</i>	16:40		Marco Rocchini - 11 <i>ARDE: Neural network-based algorithms for discrimination between electrons and γ-rays</i>
18:00	Poster Session (18:00 - 19:00) - Tasabeeh Jafer - Abstract ID: 20 - Musa Maluleka - Abstract ID: 35 - Busani Bhengu - Abstract ID: 26 - Ophir Ruimi - Abstract ID: 5			16:55		Vuako Maluleke - 41 <i>Enhancing the Accuracy of Gamma-Ray Spectrometry Using CNN and KAN Architectures</i>
18:30	- Marcin Bielewicz - Abstract ID: 58 - Sifundo Binda - Abstract ID: 103 - Andreea Gavrilescu - Abstract ID: 111 - Craig Vyfers - Abstract ID: 118 - Muzomuhle Mlotshwa - Abstract ID: 15 - Nkonzo Xulu - Abstract ID: 55 - Dimitrios Papadopoulos - Abstract ID: 98			17:10		Dmitry Kamanin - 81 <i>Light ions accompanied break-up of the medium heavy fission isomers</i>
19:00				18:00	Public Lecture (Prof Christian Iliadis)	

Wednesday 26 November 2025				Thursday 27 November 2025			
iThemba LABS Auditorium				iThemba LABS Auditorium			
09:00	Session 8	Nuclear Astrophysics	Andrea Richard - 97 <i>Illuminating i-Process Nucleosynthesis via Indirect Neutron-Capture Techniques</i>	09:00	Workshop Session B	Nuclear Physics with Low-Energy Accelerators: Nuclear Astrophysics	Christian Iliadis - 108 (Note: 35 minutes) <i>Nuclear Astrophysics of Novae</i>
09:25			Sunniva Siem - 63 <i>Nuclear Level Densities and Photon Strength Functions measurements</i>	09:35			Q&A with Short Discussion
09:40			Johan Wiggert Brummer - 113 <i>Measuring decays of excited states in 26Si to improve reaction rate calculations of 22Mg(α,p)25Al relevant to type I X-ray bursts</i>	09:40			Aurora Tumino - 101 (Note: 35 minutes) <i>Probing Stellar Reactions and Fundamental Symmetries with Indirect Methods at Low Energies</i>
09:55			Paolo Maria Milazzo - 64 <i>The Nuclear Astrophysics Program at n_TOF: Past, Present and Future</i>	10:15			Q&A with Short Discussion
10:10	Coffee/Tea Break			10:20	Workshop	General workshop discussion	
10:40	Session 9	Facilities and Instrumentation	Faical Azaiez - 92 <i>Highlights from INFN-LNL, the Status and the Future plans of the SPES project</i>	10:50			
11:05			Andrew Stuchbery - 94 <i>Nuclear structure research at Australia's Heavy Ion Accelerator Facility: Electromagnetic properties and emerging collectivity in atomic nuclei</i>	11:00	Coffee/Tea Break		
11:30			Mikolaj Cwiok - 71 <i>Warsaw active-target Time Projection Chamber for studying astrophysical reactions with gamma and neutron beams</i>	11:30	Session 10	Nuclear Structure, Reactions and Dynamics	AJ Mitchell - 93 <i>Testing the shell model at N=28 with nucleon-transfer reactions</i>
11:45			Marcin Bielewicz - 57 <i>PoFEL - the new Free Electron Laser research infrastructure in Poland</i>	11:55			John Santucci - 67 <i>Probing 174Yb and 178Hf Structure with (p,t) Reactions</i>
12:00	Afternoon Excursions with Packed Lunch Delegates must indicate their preferred excursion and pay for it while registering for the conference			12:10			Dinesh Negi - 38 <i>Nuclear structure studies close to doubly magic 100Sn nucleus</i>
13:00				12:25			
13:30				12:40	Paul Vaandrager - 88 <i>R-matrix type parametrization of the Jost function for analysing experimental total cross-sections to obtain partial-wave cross sections and resonance parameters</i>		
14:00				12:55	Jean-Marc Sparenberg - 75 <i>Bragg peak modeling and matter-wave interferometry in gaseous track detectors</i>		
14:30				13:10	Lunch		
15:00				14:15	Session 11	Neutron Physics	Jorge Lerendegui Marco - 48 <i>Recent results from the n_TOF facility at CERN</i>
15:30				14:40			Carlo Cazzaniga - 14 <i>Characterization of High-Energy Neutron Beamlines Using Silicon and Diamond Detectors</i>
16:00				15:05			Emanuele Vincenzo Pagano - 32 <i>Results on the CROSSTEST@LNL experiment for NaCoS: the Cross-talk problem</i>
16:30	15:30	Tamara Guarda - 21 <i>Study of Neutron Production through the 45Sc(p,n)45Ti Reaction for Detector Characterization</i>					
17:00	15:45	Coffee/Tea Break					
17:30	16:15	Session 12	Nuclear Structure, Reactions and Dynamics	Sonia Bacca - 10 <i>Testing Nuclear Theory on Light Nuclei: Electromagnetic Observables</i>			
18:00	16:40			Akaa Ayangeakaa - 109 <i>Nuclear Resonance Fluorescence for Nuclear Structure</i>			
	17:05			Jason Holt - 50 <i>First principles theory for nuclear structure, astrophysics, and new-physics searches</i>			
	17:20			Bahati Mukeru - 30 <i>Role of a weakly bound core nucleus in the breakup of a weakly bound halo nucleus</i>			
	17:35			Mariia Mardyban - 44 <i>Microscopic analysis of magnetic (M1) strength in 254No</i>			
	17:50			Muhluri Gerald Maluleke - 33 <i>Systematic study of Coulomb barrier heights with the double-folding nucleus-nucleus interaction</i>			
	18:05	Tapuwa Sithole - 117 <i>Breakup Dynamics of a Neutron-Halo System at Sub-Barrier Incident Energies</i>					
	19:00	Bus Departs iThemba LABS for Conference Dinner					
	19:30	Conference Dinner at Eikenhof Estate in Stellenbosch Farms					

Friday 28 November 2025		
iThemba LABS Auditorium		
09:00	Session 13	Kseniia Belokopytova - 74 <i>Exposure to 1 Gy protons, 1 Gy neutrons or their combination at a dose of 0.5 Gy for each particle does not affect emotional state, but affected body weight of rats</i>
09:15		Marco Perri - 27 <i>BEGAM, a new setup for the identification of beta emitters in radiopharmaceuticals</i>
09:30		Sankwasa Chika - 110 <i>Environmental Radiation Assessment of Uranium Exploration Activities in Botswana: A Multi-Detector Approach to Baseline Monitoring and Risk Evaluation</i>
09:45		Vladimir Skuratov - 76 <i>Mechanical stresses in solids irradiated with swift heavy ions: in-situ and postradiation examination</i>
10:00		Hesham Ali Abdelbagi Abdelbagi - 6 <i>Effect of Annealing in a Helium Atmosphere on The Whisker Growth and Surface Degradation of Pristine and Cs-Implanted SiC</i>
10:15	Coffee/Tea Break	
11:00	Session 14	Retief Neveling - 107 <i>ISGMR studies at iThemba LABS</i>
11:25		Ali Mollaebrahimi - 13 <i>First test of MNT reactions with secondary beams at the FRS Ion Catcher</i>
11:50		Evgenii Mardyan - 43 <i>Analysis of the properties of low-lying states in N=44 isotones from 70Fe to 80Kr</i>
12:05		Linda Hlophe - 82 <i>Theoretical description of direct nuclear reactions in the FRIB era</i>
12:20		Lucia Baldesi - 47 <i>Reaction dynamics in the 58Ni+58Ni system at intermediate energies</i>
12:35		H.M. Devaraja - 8 <i>Systematic studies to produce heavy above-target nuclides in multinucleon transfer reactions</i>
12:50		Sergey Lukyanov - 1 <i>Difference and Pecularity of multinucleon transfer in reactions induced by 40,48Ca ions on Au and U targets</i>
13:05	Lunch	
14:15	Session 15	Atsushi Tamii - 96 <i>Photoabsorption Cross Sections and Branching Ratios in Light Nuclei Studied by Proton Scattering</i>
14:40		Jacob Bekker - 31 <i>PANDORA Project: Photonnuclear Reactions in Light Nuclei</i>
14:55		Lauren Bell - 77 <i>Extracting the Nuclear Level Density and gamma strength function of 90Zr using the Oslo method</i>
15:10		Tshegofatso Goitseone Modise - 61 <i>Investigating the Photon Strength Function for 61Cu using 60Ni (p,g) Reaction at iThemba LABS</i>
15:25	Concluding Remarks (Rudzani Nemutudi)	