

Monday 13 April 2026

10:30	Location: Foyer, Huxley Building Registration and Refreshments Exhibition Opens
	Location: Huxley 300
11:00	(Invited) Were the Superheavy Elements Made in Nature? Ani Aprahamian
11:30	(Invited) Nuclear structure and dynamics at finite temperature Nils Paar
12:00	(Invited) Storage Rings for Nuclear Physics and Astrophysics Ragandeep Singh Sidhu
12:30	Location: Cockcroft Building Lunch and Exhibition <i>(Tea and Coffee will be served in the Foyer, Huxley Building)</i>
	Location: Huxley 300
13:45	(Invited) Extending the Chart of Nuclides: How to Create New (Super)Heavy Nuclei Sophia Heinz
14:15	(Invited) Neutrino–Nucleus Interactions from Reactors to the Cosmos: Precision Measurements and New Physics Opportunities Ivan Martinez-Soler

14:45	(Featured) Quantum entanglement of positron annihilation gamma – fundamental research applied to Positron Emission Tomography (PET) imaging Laura Stephenson		
15:00	(Featured) Detector-Aware Neural Networks for Particle Identification in Pb-Pb Collisions: Feature Set Embedding with Adaptive Attention Mechanisms Robert Forynski		
15:15	Location: Huxley Foyer Tea Break and Exhibition		
	Location: Huxley 300 Parallel Session A	Location: Huxley 406 Parallel Session B	Location: Huxley 407 Parallel Session C
15:45	Production of Terbium-161 at HF-ADNeF Max Conroy	A Compact Multimode Detector for the Decommissioning of Irradiated Graphite Nia Hunter	Exploring intense photon/muon beams as Dark Matter detectors Mikhail Bashkanov
16:00	Nuclear Reaction Studies at NIF: Establishing the Method and Recent Results Daniel Pitman-Weymouth	Transforming Inorganic Scintillators Into Neutron Spectrometers Joseph O'Neill	GEn-RP: Neutron Electric Form Factor Measurement using Recoil Polarimetry at Jefferson Lab Andrew Cheyne
16:15	Nuclear and radiation backgrounds for the BUTON anti-neutrino detector testbed at Boulby William Hopkins	The Structure of Neutron-Rich $N \sim 126$ Nuclei Gee Bartram	Quantum Machine Learning Meets Predicting Nuclear Binding Energy Serkan Akkoyun
16:30	Detecting water in spent nuclear fuel using the prompt neutron capture reaction on hydrogen Brendan Green	Competing decay modes from the $25/2^-$ spin-gap isomer in ^{155}Lu Andy Briscoe	Investigating the boundaries of enhanced octupole collectivity in the rare-earth region Pietro Spagnoletti
16:45	Probing Short Range Correlations via (p,pd) Quasi-Free Scattering reactions Matthew Whitehead	Investigations of the unbound states in ^{20}C Sidong Chen	Direct Measurements of Low-Lying Monopole Transitions in ^{28}Si Jacob Towers

17:00	Location: G50, Cockcroft Building Poster Session and Refreshments
19:30	Close of Day 1

Tuesday 14 April

08:30	Location: Huxley Foyer Arrival Refreshments
	Location: Huxley 300
09:00	(Invited) Radioactive ion beams for real-time PET-guided adaptive particle therapy Daria Boscolo
09:30	(Invited) Measurement of exclusive J/ψ photo-production with CLAS12: present status and future proposals Bryan McKinnon
10:00	(Featured) Evidence of isomeric states in $^{183,184}\text{Ta}$ Siddharth Doshi
10:15	(Featured) First identification of resonant states in the $^{45}\text{V}(p,\gamma)^{46}\text{Cr}$ reaction and their influence on the production of ^{44}Ti in core-collapse supernovae Chris Cousins
10:30	Latest developments in nuclear physics detectors Damian Ralet
10:45	Location: Huxley Foyer Coffee and Exhibitors

	Location: Huxley 300 Parallel Session D	Location: Huxley 406 Parallel Session E	Location: Huxley 407 Parallel Session F
11:15	Constraining the density-dependence of the symmetry energy by cross section measurements at R3B Lukas Ponnath	Particle identification with Bragg spectroscopy at ISOLDE Solenoidal Spectrometer Michał Włodarczyk	The dynamical evolution of the parity splitting energy in nuclei with octupole deformation Radu Budaca
11:30	Uncertainty quantification of spin-parity assignments in ^{19}Ne with ML methods Benjamin Wood	A Novel Method for PET Radioisotope Photoproduction Josephine Stone	Recent developments for microscopic optical potentials for nucleon-nucleus elastic scattering Ashley Pitt
11:45	Evidence of the $9\text{B}(1/2^+)$ state in the $^{12}\text{C}(p,a)^9\text{B}$ reaction Alex Brooks	Differential cross section measurements for (n,α) reactions with a Time Projection Chamber Jack Bishop	Lifetime measurements of the 2^+ state in ^{128}Nd and ^{132}Sm Jacob Heery
12:00	Lifetime measurements in neutron-rich barium and cerium isotopes using the fast-timing technique Faye Rowntree	Deep Learning for Enhanced Muon Tomography Imaging William O'Donnell	Laser spectroscopy measurements of $^{151-175}\text{Tm}$. On behalf of the COLLAPS collaboration Jack Hughes
12:15	$B(E2)$ measurements of heavy $N = Z$ nuclei at FRIB Michael Bentley	Position resolution estimation of Adaptive Grid search algorithm for multi-site interactions position determination in 'SIGMA' detector Nawaf Altasan	Radiative decay and electromagnetic moments in ^{229}Th determined within nuclear DFT Alejandro Restrepo-Giraldo
12:30	Location: Cockcroft Building Lunch		
	Location: Huxley 300		
13:30	(Invited) Quantum algorithms for the nuclear shell model Arnau Rios Huguet		

14:00	(Invited) The Path to Commercial Fusion Energy Chantal Shand
14:30	(Featured) Development of collectivity beyond N=50 in the Ge and Se isotopes Frank Browne
14:45	(Featured) Stress-Testing AGATA: Benchmarking the High-Spin Capabilities of the 1 π AGATA Spectrometer at LNL Connor Sullivan
15:00	Location: Huxley Foyer Tea Break
15:30	Location: Huxley 300 STFC Town Meeting
17:30	Location: Huxley Foyer Exhibitors Reception
19:00	Location: Palm Court Restaurant, Brighton Palace Pier, Madeira Drive, Brighton, England, BN2 1TW Conference Dinner
23:00	End

Wednesday 15 April

09:00	<p>Location: Huxley Foyer Arrival Refreshments</p>		
	<p>Location: Huxley 300</p>		
09:30	<p>Exploring the key astrophysical reaction $^{12}\text{C}(\alpha, \gamma)$ with TPCs and γ beams Robin Smith</p>		
10:00	<p>Unveiling nucleon structure through measurements of Generalized Parton Distributions Silvia Niccolai</p>		
10:30	<p>Location: Huxley Foyer Coffee Break</p>		
	<p>Location: Huxley 300 Parallel Session G</p>	<p>Location: Huxley 406 Parallel Session H</p>	<p>Location: Huxley 407 Parallel Session I</p>
11:00	<p>Pixel-based Target Recoil Tracker (TRT) for R3B at FAIR Beatriz Amorim</p>	<p>First Cross-Section Measurements of the $^{93}\text{Sr}(\alpha, xn)^{95-96}\text{Zr}$ Reactions: Implications for the Weak r-Process Claire Jameson</p>	<p>Decay Spectroscopy of Medical Imaging Isotope Terbium-152 Edward O'Sullivan</p>
11:15	<p>Development of novel LaBr3(Ce) Detector Modules for Nuclear Astrophysics Applications Sulagna Dutta</p>	<p>Beta-decay spectroscopy of proton-rich N=82 isotones Norah Alwadie</p>	<p>Water neutron moderation of AmBe: a computational approach with Geant4 Filippo Falezza</p>
11:30	<p>Elucidating Strangeness with Electromagnetic Probes Asli Acar</p>	<p>A direct measurement of the $^{27}\text{Al}(\alpha, p)^{30}\text{Si}$ cross section with TACTIC Annabelle Cyster</p>	<p>Shell evolution and neutron halo formation in heavy sodium isotopes Jagjit Singh</p>
11:45	<p>Preliminary $2\text{Pi}0$ channel analysis at GlueX Alexandra Berger</p>	<p>A Novel Approach to Observing Nuclear Excitation by Electron Capture John Fuller</p>	<p>Unveiling proton-neutron pairing in homogeneous and isotropic nuclear matter Betania Backes</p>

12:00	Jet measurements with the ALICE experiment at the LHC Jaime Norman	Probing the $10B + \alpha$ pathway for primordial stars at LUNA: Experimental techniques and preliminary results Rhys Bonnell	Thermal effects on neutron capture cross sections using a quantum dynamical approach Nicholas Lightfoot
12:15	Location: Cockcroft Building		
12:45	Lunch	Location: Huxley 300 IOP Nuclear Physics Group AGM	
13:30	(Featured) Fission studies using quasi-free scattering reactions in inverse kinematics Jose Benlliure		
13:45	(Featured) Anapole Moment Calculated within Nuclear DFT Herlik Wibowo		
14:00	(Invited) Spectroscopy of pear-shaped nuclei John Smith		
14:30	(Invited) Nuclear signatures from binary stars Rob Izzard		
15:00	Closing Remarks		
15:15	End of Conference		