

Programme overview

Sunday 28 July											
14:00–19:00	Registration <i>Halls 1 and 2</i>										
18:00–19:00	Welcome Reception <i>Halls 1 and 2</i>										
Monday 29 July											
08:00–18:00	Registration <i>Halls 1 and 2</i>										
08:45–09:00	Opening Ceremony <i>Clyde Auditorium</i>										
Plenary Session 1 <i>Clyde Auditorium</i>											
09:00	Nuclear Forces from Lattice QCD Tetsuo Hatsuda, RIKEN iTHEMS, Japan										
09:30	Physics opportunities with reactions induced by relativistic rare beam: Unveiling neutron-star secrets Lola Cortina, Universidad de Santiago de Compostela, Spain										
10:00	Rare isotopes as laboratories for fundamental-interactions studies Oscar Naviliat-Cuncic, Michigan State University, USA										
10:30	Refreshment Break <i>Halls 1 and 2</i>										
Plenary Session 2 <i>Clyde Auditorium</i>											
11:00	The nucleus as a femtometer laboratory: Hadronization, 3D tomography and more Kawtar Hafidi, Argonne National Lab, USA										
11:30	Short-range correlations in nuclei Arnau Rios Huguet, University of Surrey, UK										
12:00	Application of radionuclides in theranostics Ulli Köster, Institut Laue-Langevin, France										
12:30	Lunch and Exhibition <i>Halls 1 and 2</i>										
13:30–15:10	Nuclear Astrophysics <i>Forth Room</i>	Nuclear Reactions A <i>Lomond Auditorium</i>	Nuclear Structure A <i>Alsh Room 1</i>	Nuclear Structure B <i>Alsh Room 2</i>	Nuclear Structure C <i>Boisdale Room 1</i>	New Facilities and Instrumentation A <i>Boisdale Room 2</i>	Societal Impact and Applications of Nuclear Science <i>Carron Room 1</i>	Fundamental Symmetries and Interactions in Nuclei <i>Carron Room 2</i>	QCD: Hadron Structure and Spectroscopy <i>Dochart Room 1</i>	Hot and Dense Nuclear Matter <i>Dochart Room 2</i>	Neutrinos and Nuclei <i>M4 Room</i>
15:10	Refreshment Break <i>Halls 1 and 2</i>										

15:40–17:20	Nuclear Astrophysics <i>Forth Room</i>	Nuclear Reactions A <i>Lomond Auditorium</i>	Nuclear Structure A <i>Alsh Room 1</i>	Nuclear Structure B <i>Alsh Room 2</i>	Nuclear Structure C <i>Boisdale Room 1</i>	New Facilities and Instrumentation A <i>Boisdale Room 2</i>	Societal Impact and Applications of Nuclear Science <i>Carron Room 1</i>	Hot and Dense Nuclear Matter <i>Carron Room 2</i>	QCD: Hadron Structure and Spectroscopy <i>Dochart Room 1</i>	QCD: Partonic Phenomena <i>Dochart Room 2</i>
17:20–18:30	Poster Session A <i>Halls 1 and 2</i>									
19:00	Civic Reception <i>Glasgow Science Centre, 50 Pacific Quay, Glasgow G51 1EA</i>									
20:00	Close									

Tuesday 30 July

08:30–18:00	Registration <i>Halls 1 and 2</i>									
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Plenary Session 3 *Clyde Auditorium*

09:00	High-Resolution Laser Spectroscopy for the Study of Exotic Nuclear Properties Xiaofei Yang, Peking University, China									
09:30	Exploring Hot-QCD Matter Properties with Jets Joern Putschke, Wayne State University, USA									
10:00	Progress towards a nuclear clock: Properties of the 229-Thorium isomer Peter Thirof, Ludwig-Maximilians-Universität München, Germany									
10:30	Refreshment Break <i>Halls 1 and 2</i>									

Plenary Session 4 *Clyde Auditorium*

11:00	Revealing the Origin of Mass Craig Roberts, Argonne National Laboratory, USA									
11:30	From Nuclei to the Cosmos: Tracing Heavy-Element Production with the Oldest Stars Anna Frebel, Massachusetts Institute of Technology, USA									
12:00	The future of neutrino physics and neutrino oscillations Mark Thomson, STFC, UK									
12:30	Lunch and Exhibition <i>Halls 1 and 2</i>									

13:30–15:10	Nuclear Astrophysics <i>Forth Room</i>	Nuclear Reactions A <i>Lomond Auditorium</i>	Nuclear Structure A <i>Alsh Room 1</i>	Nuclear Structure B <i>Alsh Room 2</i>	Nuclear Structure C <i>Boisdale Room 1</i>	New Facilities and Instrumentation A <i>Boisdale Room 2</i>	Societal Impact and Applications of Nuclear Science <i>Carron Room 1</i>	Fundamental Symmetries and Interactions in Nuclei <i>Carron Room 2</i>	QCD: Hadron Structure and Spectroscopy <i>Dochart Room 1</i>	Nuclear Reactions B <i>Dochart Room 2</i>	Outreach and Engagement <i>M4 Room</i>
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15:10	Refreshment Break <i>Halls 1 and 2</i>									
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15:40–17:20	Nuclear Astrophysics <i>Forth Room</i>	Nuclear Reactions A <i>Lomond Auditorium</i>	Nuclear Structure A <i>Alsh Room 1</i>	Nuclear Structure B <i>Alsh Room 2</i>	Nuclear Structure C <i>Boisdale Room 1</i>	New Facilities and Instrumentation A <i>Boisdale Room 2</i>	Societal Impact and Applications of Nuclear Science <i>Carron Room 1</i>	Neutrinos and Nuclei <i>Carron Room 2</i>	New Facilities and Instrumentation B <i>Dochart Room 1</i>	QCD: Partonic Phenomena <i>Dochart Room 2</i>	Outreach and Engagement <i>M4 Room</i>
17:20–19:00	Poster Session B and Exhibitor Reception <i>Halls 1 and 2</i>										
Public Lecture <i>Clyde Auditorium</i>											
19:15–20:15	Nuclear Physics and the Making of the Modern Periodic Table Professor Jim Al-Khalili, University of Surrey, UK										
20:15	Close										

Wednesday 31 July											
08:30–13:30	Registration <i>Halls 1 and 2</i>										
Plenary Session 5 <i>Clyde Auditorium</i>											
09:00	Gravitational waves as Probes for Nuclear Physics Jo Van Den Brand, Nikhef and VU University of Amsterdam, the Netherlands										
09:30	Electron scattering for short-lived nuclei Toshimi Suda, Research Center for Electro-Photon Science, Tohoku University, Japan										
10:00	Explosive scenarios in astrophysics: Observations, models and nuclear inputs Ani Aprahamian, University of Notre Dame, USA										
10:30	Refreshment Break <i>Halls 1 and 2</i>										
Plenary Session 6 <i>Clyde Auditorium</i>											
11:00	Probing the NN interaction up to 1 GeV/c using measurements of Short- Range Correlations in nuclei Or Hen, MIT, USA										
11:30	Relativistic heavy-ion collisions for the investigation of strongly-coupled quark-gluon plasmas Chun Shen, Wayne State University, USA										
12:00	The decay of silver-129 Robert Shearman, National Physical Laboratory, UK										
12:30	Lunch and Exhibition <i>Halls 1 and 2</i>										
13:00	Excursion: Cruise of Loch Lomond <i>Buses depart from Car Park 5</i>										
13:15	Excursion: Tour of Stirling Castle <i>Buses depart from Car Park 5</i>										

13:30–15:00	Whisky Tasting <i>Boisdale Room 2</i>
13:30–19:00	Outreach Session (with LEGO) <i>Clyde Auditorium</i>
14:00–19:00	IUPAP Committee Meeting (closed) <i>Carron Rooms 1 and 2</i>
14:30	Excursion: Auchentoshan Distillery <i>Buses depart from Car Park 5</i>

Thursday 1 August

08:30–18:00	Registration <i>Halls 1 and 2</i>
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Plenary Session 7
Clyde Auditorium

09:00	Challenges in Laser Spectroscopy of the Heaviest Elements Michael Block, GSI/HIM/JGU, Germany
09:30	Nuclear pear shapes studied with radioactive ion beams Liam Gaffney, University of Liverpool, UK
10:00	Searching for the quark-gluon plasma from proton-proton to heavy-ion collisions Alice Ohlson, Lund University, Sweden
10:30	Refreshment Break <i>Halls 1 and 2</i>

Plenary Session 8
Clyde Auditorium

11:00	Nuclear astrophysics in underground laboratories Francesca Cavanna, National Institute for Nuclear Physics, Italy
11:30	Exotic Meson Spectroscopy Justin Stevens, College of William & Mary, USA
12:00	Towards quantum computations of atomic nuclei Gaute Hagen, Oak Ridge National Laboratory, USA
12:30	Lunch and Exhibition <i>Halls 1 and 2</i>

13:30–15:10	Nuclear Astrophysics <i>Forth Room</i>	Nuclear Reactions A <i>Lomond Auditorium</i>	Nuclear Structure A <i>Alsh Room 1</i>	Nuclear Structure B <i>Alsh Room 2</i>	Nuclear Structure C <i>Boisdale Room 1</i>	New Facilities and Instrumentation A <i>Boisdale Room 2</i>	Societal Impact and Applications of Nuclear Science <i>Carron Room 1</i>	Hot and Dense Nuclear Matter <i>Carron Room 2</i>	QCD: Hadron Structure and Spectroscopy <i>Dochart Room 1</i>	QCD: Partonic Phenomena <i>Dochart Room 2</i>	Neutrinos and Nuclei <i>M4 Room</i>
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15:10	Refreshment Break <i>Halls 1 and 2</i>
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15:40–17:30	Nuclear Astrophysics <i>Forth Room</i>	Nuclear Reactions A <i>Lomond Auditorium</i>	Nuclear Structure A <i>Alsh Room 1</i>	Nuclear Structure B <i>Alsh Room 2</i>	Nuclear Structure C <i>Boisdale Room 1</i>	New Facilities and Instrumentation A <i>Boisdale Room 2</i>	Societal Impact and Applications of Nuclear Science <i>Carron Room 1</i>	Nuclear Reactions B <i>Carron Room 2</i>	New Facilities and Instrumentation B <i>Dochart Room 1</i>	QCD: Partonic Phenomena <i>Dochart Room 2</i>	Fundamental Symmetries and Interactions In Nuclei <i>M4 Room</i>
17:20–18:30	Poster Session C <i>Halls 1 and 2</i>										
19:00–23:30	Conference Dinner <i>Merchant Square, Corner of Candleriggs & Bell Street, Glasgow G1 1LE</i>										

Friday 2 August											
09:00–15:30	Registration <i>Halls 1 and 2</i>										
Plenary Session 9 <i>Clyde Auditorium</i>											
09:30	Recent advances in the description of reactions involving exotic nuclei Pierre Capel, Institut für Kernphysik, Germany										
10:00	Anti-atom physics Michael Doser, CERN, Switzerland										
11:00–12:40	Nuclear Astrophysics <i>Forth Room</i>	Nuclear Reactions A <i>Lomond Auditorium</i>	Nuclear Structure A <i>Alsh Room 1</i>	Nuclear Structure B <i>Alsh Room 2</i>	Nuclear Structure C <i>Boisdale Room 1</i>	New Facilities and Instrumentation A <i>Boisdale Room 2</i>	Societal Impact and Applications of Nuclear Science <i>Carron Room 1</i>	Hot and Dense Nuclear Matter <i>Carron Room 2</i>	QCD: Hadron Structure and Spectroscopy <i>Dochart Room 1</i>	QCD: Partonic Phenomena <i>Dochart Room 2</i>	Fundamental Symmetries and Interactions In Nuclei <i>M4 Room</i>
12:40	Break										
Plenary Session 10 <i>Clyde Auditorium</i>											
13:30	Evolution of nuclear structure in exotic nuclei Alexandra Gade, Michigan State University, USA										
14:00	Quo vadis Neutrino? Juan Jose Gomez-Cadenas, DIPC, Spain										
14:30	IAEA activities in support of nuclear physics research and applications Danas Ridikas, The International Atomic Energy Agency, Austria										
15:00	Closing Ceremony										
15:15	Close and Depart										