Monday, 13 June 2022

NS2022 Plenary: Light Nuclei I (09:00 - 10:30)

-Conveners: Carl Svensson

time	[id] title	presenter
09:00	[173] Welcome	
	[174] A four-neutron system probed through sudden removal of alpha particle from 8He	Dr PASCHALIS, Stefanos
09:40	[179] Proton inelastic scattering reveals deformation in \$^{8}#e	HOLL, Matthias
10:10	[102] The structure of 7,8,9He in the rotational model*	MACCHIAVELLI, Augusto

NS2022 Plenary: Heavy Nuclei I (11:00 - 12:30)

-Conveners: Jacklyn Gates

time	[id] title	presenter
11:00	[175] Recent results on nobelium isotopes spectroscopy @ SHELS	DORVAUX, Olivier
	[151] Spectroscopy of Trans-fermium Nuclei Using the Argonne Gas-Filled Analyzer	SEWERYNIAK, D.
11:50	[140] In-beam and decay spectroscopy of \$^{251}\$Md	MORSE, C.
12:10	[164] Laser Spectroscopy of the Heaviest Actinides	LANTIS, Jeremy

NS2022 Plenary: Shapes and Collectivity I (13:30 - 15:00)

-Conveners: Marco Siciliano

time	[id] title	presenter
13:30	[54] From shape coexistence to shape isomers in atomic nuclei	KORTEN, Wolfram
13:50	[74] New developments of shell models for heavy deformed nuclei	SUN, Yang
	[76] Level lifetime measurements in neutron-rich Zr and Mo isotopes around A = 110 through in-beam gamma-ray spectroscopy	MOON, Byul
14:30	[105] Shape and collectivity in 80Ge studied via Coulomb Excitation	RHODES, Daniel

NS2022 Plenary: Shells/Magicity I (15:30 - 17:00)

-Conveners: Mark Caprio		
time [id] title	presenter	
16:15 [115] Lifetime measurement of first 4+ state in 102Sn	ZHANG, guangxin	
16:35 [158] New aspects of the physics of charge radii	AFANASJEV, Anatoli	

Tuesday, 14 June 2022

NS2022 Plenary: Heavy Elements II (09:00 - 10:30)

-Conveners: Walid Younes

time	[id] title	presenter
09:00	[180] Gamma-ray spectroscopy of nuclear fission	WILSON, J. N.
09:30	[127] The Broad Impact of Mass-Number Measurements for Heavy Element Studies	PORE, Jennifer
	[163] Decay Spectroscopy of High-K Isomers in Deformed Neutron-rich 180 <a<190 \$^{198}\$pt<="" fragmentation="" nuclei="" of="" td="" via=""><td>CHOWDHURY, P.</td></a<190>	CHOWDHURY, P.
	[117] New evidence for alpha clustering structure in the ground state band of \$^{212}\$Po	Mr VON TRESCKOW, Martin

NS2022 Plenary: Islands of Inversion (11:00 - 12:30)

-Conveners: D. Bazin

time	[id] title	presenter
11:00	[181] Investigating the Spin-Orbital splitting in the N=19 isotones using SOLARIS	CHEN, Jie
11:30	[129] Single-nucleon transfer reactions probed in inverse kinematics with the ISOLDE Solenoidal Spectrometer - recent highlights	SHARP, David
11:50	[131] Investigation of the 46Ar proton wave function: the 46Ar(3He, d)47K direct reaction	BRUGNARA, Daniele
	[99] Nuclear Structure of \$^{36}\$Al and \$^{36}\$Si via \$\beta\$-decays of \$^{36}\$Mg and \$^{36}\$Al	LUBNA, Rebeka Sultana

NS2022 Plenary: Shapes and Collectivity (13:30 - 15:00)

-Conveners: Peter Bender

time	[id] title	presenter
	[146] Lifetime measurements in fission fragments: Evolution of nuclear shapes and triaxiality	GÖRGEN, Andreas
	[159] First Evidence of Axial Shape Asymmetry and Shape Coexistence in 74Zn: Suggestion for a Northern Extension of the N=40 Island of Inversion	ROCCHINI, Marco
	[84] Octupole collectivity in 74,76Kr studied with inelastic proton scattering in inverse kinematics	SPIEKER, Mark
14:30	[80] Collectivity evolution of proton-rich Mo isotopes	HA, Jeongsu

NS2022 Plenary: Statistical Structure and Astrophysics (15:30 - 17:00)

-Conveners: Dorthea Gjestvang

time	[id] title	presenter
15:30	[60] Photon Strength Function Studies: Progress and Outlook	Prof. WIEDEKING, Mathis
	[141] β -decay strength distributions of neutron-rich isotopes for r-process nucleosynthesis	LYONS, Stephanie

16:10 [51] Measurements of the E1-strength in Fe and Ni nuclei around the threshol	WIELAND, Oliver
16:30 [100] Gamma-Particle Coincidence Studies of 93Sr(d,p)94Sr via the Surrogate Reaction Method	RICHARD, Andrea

Wednesday, 15 June 2022

NS2022 Plenary: Mirrors and Proton-Rich Nuclei (09:00 - 10:30)

-Conveners: A. Rogers

time	[id] title	presenter
09:00	[177] Symmetry and collectivity of mirror nuclei	Dr WIMMER, Kathrin
	[59] Determination of the neutron-deficient \$^{54}\$Ni charge radius and symmetry energy constraints using the difference in mirror pair charge radii	PINEDA, Skyy
09:50	[71] Discovery of the proton emitter 116La	CEDERWALL, Bo
	[123] Advances in experimental methods to investigate the isospin breaking effects in isobaric triplets	RUOTSALAINEN, Panu

NS2022 Plenary: New Facilities (11:00 - 12:30)

-Conveners: Andrew Boston

Thursday, 16 June 2022

NS2022 Plenary: Lasers (09:00 - 10:30)

-Conveners: Kyle Leach

time	[id] title	presenter
	[182] Recent highlights and new developments in (fluorescence based) collinear laser spectroscopy at ISOLDE	MALBRUNOT-ETTENAUER, Stephan
09:30	[147] COLLINEAR LASER SPECTROSCOPY ON THE PALLADIUM ISOTOPIC CHAIN	ORTIZ CORTES, Alejandro
	[139] Nuclear moments of indium isotopes reveal abrupt change at magic number 82	VERNON, Adam
10:10	[128] Beta-delayed neutron emission near \$^{54}\$Ca	XU, Zhengyu

NS2022 Plenary: Light Nuclei II (11:00 - 12:30)

-Conveners: D.G. Jenkins

time	[id] title	presenter
11:00	[183] Ab initio description of nuclear reactions with applications to astrophysics	QUAGLIONI, Sofia
11:30	[57] Short-range correlations in the mirror nuclei 3H and 3He	ARRINGTON, John
	[103] Study the isomeric state of 16N via the \$^{16}\$N\$^{g,m}\$(d,\$^{3}\$He) reaction	TANG, Tsz Leung
	[101] Symmetries as a framework for understanding the emergence of nuclear collective behavior	MCCOY, Anna

NS2022 Plenary: Shapes and Collectivity III (13:30 - 15:00)

-Conveners: Gordon Ball

time	[id] title	presenter
	[58] Study of cross-shell excitations near the 'island of inversion' using fusion-evaporation and Doppler shift methods	WILLIAMS, Jonathan
13:50	[138] Mapping the N = 40 Island of Inversion with neutron-rich iron isotopes at TITAN	PORTER, William
14:10	[73] K=4+ Band-heads in 160Gd	YATES, Daniel
14:30	[86] Configuration mixing investigation in Ge isotopes through E0 strength measurements	PORZIO, Carlotta

NS2022 Plenary: Shells and Magicity II (15:30 - 17:00)

-Conveners: Corina Andreoiu

time	[id] title	presenter
15:30	[109] Investigating the Nuclear Shell Evolution in Neutron-Rich Calcium	COLEMAN, Robin
15:50	[98] New experimental decay information of \$\beta\$-delayed neutron emitters for very exotic neutron-rich nuclei in the north-east of double magic \$^{78}\$Ni region	Dr CABALLERO-FOLCH, Roger

	[114] Beta decay strength of \$^{78}\$Ni to neutron-unbound states revealed by \$^{79}\$Cu	SINGH, Maninder
16:30	[111] First β -decay spectroscopy of 135In and new β -decay branches of 134In	PIERSA-SILKOWSKA, Monika

Friday, 17 June 2022

NS2022 Plenary: Fundamental Symmetries (09:00 - 10:30)

-Conveners: M. Wiedeking

time	[id] title	presenter
	[178] Sub-keV Decay-Recoil Spectroscopy with Superconducting Quantum Sensors	Dr LEACH, Kyle
	[61] Precision spectroscopy studies of radioactive molecules for fundamental physics	UDRESCU, Silviu-Marian
	[161] Searching for Tensor Currents in the Weak Interaction in the \$\beta\$-decay of \$^{8}\$Li and \$^{8}\$B	GALLANT, Aaron
10:10	[148] Evidence of seniority conservation via lifetimes measurements in the N=50 isotones towards 100Sn	PÉREZ VIDAL, Rosa María

NS2022 Plenary: Shapes and Collectivity IV (11:00 - 12:30)

-Conveners: Yang Sun

time	[id] title	presenter
	[145] Nuclear structure of the neutron-deficient cadmium isotopes close to \$^{100}\$Sn	SICILIANO, Marco
	[77] First results from CLARION2-TRINITY: Coulomb Excitation of 49Ti and the proton-neutron interaction	Dr GRAY, Timothy
11:40	[133] Prediction of nuclear masses with an artificial neural network	MUMPOWER, Matthew
12:00	[142] Microscopic calculations of neutron-rich isotopes near 40Mg	LAUBER, Stephanie

NS2022 Plenary: Closing Session (13:30 - 14:30)

-Conveners: Heather Crawford

time [id] title	presenter
13:30 [184] Poster Session Winner I	
13:45 [185] Poster Session Winner II	
14:00 [186] Closing Remarks	