	Sunday 30 June 2019		
18:00		Welcome reception and registration	

	Monday 1 July 2019		
08:30		Opening and Welcome	Faiçal Azaiez
08:45	**Session 1**	Ab initio theory for structure and electroweak properties of medium-mass nuclei	Jason Holt
09:10	*Nuclear Structure and Reactions*	Recent results from AGATA and VAMOS	Antoine Lemasson
09:35	Chair:	In-beam gamma spectroscopy with fast RI beams at RIKEN	Pieter Doornenbal
10:00		Structure of 40Mg	Heather Crawford
10:25	**Coffee/Tea break**		
10:55	**Session 2**	Theory of EoS and viscosity for relativistic hydrodynamics in HI- and binary neutron star collisions, GWs as signature for quark matter formation in LIGO and MEERKAT/SKA.	Azwinndini Muronga
11:20	*Heavy Ion Physics*	Study QCD phase diagram in high-energy nuclear collisions	Nu Xu
11:45	Chair:	Probing the QGP with heavy quarks in ALICE at the LHC	Zinhle Buthelezi
12:10		Using jets and high transverse momentum particles to probe the Quark-Gluon Plasma	Helen Caines
12:35		TBA	Giuseppe Verde
13:00	**Lunch**		
14:00	**Session 3**	TBA	Hiroyoshi Sakurai
14:25	*Facilities & Instrumentation*	Recent developments at ISOL-based RIB facilities	Piet Van Duppen
14:50	Chair:	TBA	Victor Zamfir
15:15		Scientific research activity at the Open Laboratory of Nuclear Physics of the University of Sao Paulo, Brazil	Alinka Lépine-Szily
15:40	**Coffee/Tea break**		
16:00	**Session 4**	Informing neutron capture via surrogate (d,p gamma) measurements	Jolie Cizewski
16:25	*Neutron Physics*	TBA	TBA
16:50	Chair:	Nuclear spectroscopy with thermal neutrons and actinide targets at ILL	Yung Hee Kim
17:15		The highly efficient neutron detector NEDA reveals the structure of proton-rich nuclei populated in fusion evaporation and transfer reactions	Javier Valiente Dobon
17:30		The neutron production facility at the Lawrence Berkeley National Laboratory	Darren Bleuel
17:45		Nuclear Astrophysics at n_TOF neutron beam facility at CERN	Giuseppe Tagliente

Tuesday 2 July 2019			
		Morning safari **Delegates must arrange for their own trips to the Kruger Park directly with the relevant service provider at the hotel**	
11:45	**Session 5**	Recent results on heavy-ion induced reactions of interest for neutrinoless double beta decay	Francesco Cappuzzello
12:10	*Fundamental Interactions & Nuclear Structure*	Double beta decay, weak axial coupling and reactor antineutrino spectra	Jouni Suhonen
12:35	Chair:	TBA	Ritu Kanungo
13:00	**Lunch**		
14:00	**Session 6**	Low-lying dipole strength in neutron-rich Ca isotopes 50,52Ca	Yasuhiro Togano
14:15	*Nuclear Structure and Reactions*	Investigating the influence of deformation on the low-lying electric dipole (E1) response in 144,154Sm	Harshna Jivan
14:30	Chair:	Investigation of the PDR in atomic nuclei using photon scattering experiments	Miriam Müscher
14:45		Inverse-Oslo Method – a tool for expanding our understanding of the r-process	Vetle Ingeberg
15:00		A microscopic treatment of correlated nucleons: collective properties in stable and exotic nuclei	Olivier Vasseur
15:15		Effect of deformation on the fine-structure energy scales of the Nd isotope chain	Lindsay Donaldson
15:30	**Coffee/Tea break**		
16:00	**Session 7**	**Addressing the 5 workshop questions**	Dominic Rossi
16:30	**Workshop**		Peter von Neumann-Cosel
17:00	Chair:		Edoardo Lanza
17:30			Vladimir Ponomarev

Five workshop questions:

1. *Are the dipole resonances due to collective or single-particle excitations?*
2. *What is the interplay between isovector and isoscalar contributions?*
3. *What are the contributions due to E1 and M1?*
4. *How strongly is the observed strength distribution biased by the method or selected decay channel?*
5. *What experimental advances are desirable to answer the outstanding questions?*

	Wednesday 3 July 2019		
08:30	**Session 8**	Stellar pyrotechnics: nucleosynthesis in classical nova explosions	Jordi Jose
08:55	*Nuclear Astrophysics*	Indirect experimental methods and 12C+12C fusion	Aurora Tumino
09:20	Chair:	r-process nucleosynthesis and related nuclear physics	Stephane Goriely
09:45		rp-process and stellar weak interaction rates of waiting point nuclei	Alexandrina Petrovici
10:00		180Ta nucleosynthesis in light of newly constrained reaction rates	Kgashane Malatji
10:15		Photo-neutron reaction cross section measurements on Mo and Zr relevant to the p-process	Adriana Banu
10:30	**Coffee/Tea break**		
11:00	**Session 9**	The use of storage rings in the study of reactions at low momentum transfers	Nasser Kalantar-Nayestanaki
11:25	*Facilities & Instrumentation*	The Electron-Ion Collider	Thomas Ullrich
11:50	Chair:	Gamma-ray tracking and the GRETINA physics program*	Augusto Macchiavelli
12:15		The status of the low-energy photon tagging facility NEPTUN	Dmytro Symochko
12:30		Accelerator Centre for Exotic Isotopes (ACE Isotopes) pillar of the South African Isotope Facility (SAIF)	Robert Bark
12:45		Exploring nuclear astrophysics with heavy-ion storage rings	Yuri Litvinov
13:00	**Lunch**		
14:00	**Session 10**	Radiation effects studies and Industrial Applications at JYFL	Ari Virtanen
14:25	*Applied Physics*	Radiopharmaceutical Radioisotopes	Clive Naidoo
14:50	Chair:	Gamma-ray imaging: making radiation visible in 3D	Kai Vetter
15:15		Combining fast neutron radiography with positron emission particle tracking in a tumbling mill system	Graham Daniels
15:30		The FOOT experiment: measuring light nuclei fragmentation cross sections up to 700 MeV/A	Piergiorgio Cerello
15:45		Investigating the feasibility of using neutron activation to measure pollution in the Richards Bay area	Sizwe Mhlongo
16:00	**Coffee/Tea break**		
16:30	**Session 11**	**Addressing the 5 workshop questions**	Fabio Crespi
17:00	**Workshop**		Denis Savran
17:30	Chair:		Carlos Bertulani
18:00			Gianluca Colò

Thursday 4 July 2019			
08:30	**Session 12**	TBA	Ania Kwiatkowsky
08:55	*Nuclear Structure and Reactions*	Laser spectroscopy studies of superheavy elements	Michael Block
09:20	Chair:	Experimental study of deep-inelastic reactions at Ganil	Gheorghe Iulian Stefan
09:35		Experimental study with light RIB at ACCULINNA-2	Grzegorz Kaminski
09:50		Predictions of fission fragment properties for super-heavy elements	Nicolae Carjan
10:05		Isomer spectroscopy of the titanium isotopes toward N=40.	Francesco Recchia
10:20		Lifetime measurements as a tool to study nuclear properties: the 112Te case	Maria Doncel
10:35	**Coffee/Tea break**		
11:10	**Session 13**	IAEA activities in support of the accelerator-based research and applications	Sotirios Charisopoulos
11:35	*Applied Physics*	What do cancer radiotherapy and Mars exploration have in common?	Chiara La Tessa
12:00	Chair:	Measurement of activity concentration of 238U and 232Th series radionuclides in beach sand with a multidetector LaBr3:Ce gamma-ray spectrometer	Munirat Bashir
12:15		Perspectives in boron neutron capture therapy of cancer B	Ignacio Porras
12:30		Radiation biophysics research at iThemba LABS	Charlot Vandervoorde
12:45		Beam intensity improvements of high-energy heavy ion beams at iTL	Fhumulani Nemulodi
13:00	**Lunch**		
		Afternoon safari **Delegates must arrange for their own trips to the Kruger Park directly with the relevant service provider at the hotel**	
19:00		**Conference Dinner**	

	Friday 5 July 2019		
09:15	**Session 14**	Enhanced monopole and dipole transitions in medium-heavy nuclei induced by alpha cluster structures	Makoto Ito
09:30	*Nuclear Structure and Reactions*	Helium decays of excited states and clustering in 17,18O	Neven Soic
09:45	Chair:	Clustering and collectivity in the nuclear many-body dynamics	Alexander Volya
10:00		Investigating cluster configurations with the K600	Philip Adsley
10:15		On the effect of tensor interaction in formation of bubble structure in exotic nuclei	Rupayan Bhattacharya
10:30		Beyond standard mean field approaches to nuclear scattering:many body degrees of freedom	Raqual Crespo
10:45		Investigation of a high-spin structure in the vicinity of 44Ti via discrete and continuum g-spectroscopy	Piotr Bednarczyk
11:00	**Coffee/Tea break**		
11:30	**Session 15**	Experimental studies ion the nuclear chirality in the A~80 mass region	Chen Liu
11:45	*Nuclear Structure and Reactions*	Exact analytical treatment of nuclear shape phase transitions in terms of the sextic oscillator	Géza Lévai
12:00	Chair:	The structure of 33Si, 35S and the magicity of the N=20 gap at Z=14,16	Sandile Jongile
12:15		Nuclear structure at the australian national university through moments, monopoles and transition rates	Andrew Stuchbery
12:30		Searching for shape coexistence in 70Se	James Smallcombe
12:45		The structure of low-energy excited states in even-even spherical nuclei within a multi-phonon approach	Chavdar Stoyanov
13:00	**Lunch**		
14:00	**Session 16**	HISPEC/DESPEC project at GSI/FAIR	Magdalena Gorska
14:15	*Facilities & Instrumentation*	Coulomb excitation at LNL with the Spider-Galileo setup.	Adriana Nannini
14:30	Chair:	A di-lepton spectrometer for the study of giant resonances in nuclei	Pete Jones
14:45		A low-pressure focal plane detector for the K600	Retief Neveling
15:00	**Coffee/Tea break**		
15:30	**Session 17**	**Addressing the 5 workshop questions**	Atsushi Tamii
16:00	**Workshop**		Sunniva Siem
16:30	Chair:	General discussion	
17:30		Closing remarks	Richard Casten