International Nuclear Physics Conference
SUNDAY 11 September 2016 - FRIDAY 16 September 2016
Adelaide Convention Centre

As at 30 August 2016

Friday, 16 September 2016

	Hall L	L2	L3	R2	R3	R4	R5	C1	C2	C3
09:00	*Hall L : 09:00 10:00* *Chairperson: Donald Geesaman (ANL)*									
09:00	Frontiers In Ab-initio Nuclear Structure **Prof Sonia BACCA (TRIUMF)**									
09:30	Structure Of Exotic Nuclei: A Theoretical Review **Prof Shan-Gui ZHOU (Institute of Theoretical Physics)**									
10:00	**Morning Tea Break**	**Morning Tea Break**	**Morning Tea Break**	**Morning Tea Break**	**Morning Tea Break**	**Morning Tea Break**	**Morning Tea Break**	**Morning Tea Break**	**Morning Tea Break**	**Morning Tea Break**
10:30	***Hall L : 10:30 12:25 Hypernuclei and clusters***	***L2 : 10:30 12:25 Nuclear shapes (2)***	***L3 : 10:30 12:25***	***R2 : 10:30 12:25***	***R3 : 10:30 12:25***	***R4 : 10:30 12:25***	***R5 : 10:30 12:25***	***C1 : 10:30 12:25 (Please note room change)***	***C2 : 10:30 12:25 (Please note room change)***	***C3 : 10:30 12:25 (Please note room change)***
	Chairperson: Prof Wilton Catford (University of Surrey)	*Chairperson: Reinner Krucken (TRIUMF)*	*Chairperson: Prof Silvia Lenzi (Padova University and INFN)*	*Chairperson: Weiping Liu (CIAE)*	*Chairperson: Dr Bernhard Lauss (Paul Scherrer Institute)*	*Chairperson: Prof Silvio Cherubini (Associate Professor, University of Catania and INFN-Laboratori Nazionali del Sud)*	*Chairperson: Prof Wolfgang Mittig (FRIB-NSCL)*	*Chairperson: Prof David Ireland (University of Glasgow)*	*Chairperson: Craig Roberts (Argonne National Laboratory)*	*Chairperson: Prof Massimo Masera (University of Torino and INFN)*
10:30	Study Of ^{9}Li-alpha Cluster States In ^{13}B Using The Resonant Scattering Method **Dr Juan Pablo FERNANDEZ GARCIA (INFN-Laboratori Nazionali del Sud and Università di Catania)**	Enhanced Gamma Vibration And A Long-lived K Isomer In Axially Symmetric ^{172}Dy **Dr Hiroshi WATANABE (Beihang University / RIKEN Nishina Centre)**	RHIC Upgrades And Capabilities For The Next Decade **Dr Wolfram FISCHER**	Nucleosynthesis in the First Stars **Prof Alexander HEGER (Monash Centre for Astrophysics)**	Discrete Symmetry Tests In Neutron-induced Compound States **Prof Hirohiko SHIMIZU (Nagoya University)**	Leptonic CP Violation And Mass Hierarchy In The Presence Of Sterile Neutrino **Mr Zachary MATTHEWS (PhD Student, University of Adelaide)**	Recent Achievements In Fission Dynamics Investigated At High Energies **Prof José BENLLIURE (Universidade de Santiago de Compostela)**	Electroproduction And Transition Form Factors - On The Road To A Baryon Spectrum **Prof Philip COLE (Idaho State University)**	Partonic Structure Of Hadrons from Lattice QCD **Dr James ZANOTTI (University of Adelaide)**	QCD Thermodynamics On The Lattice from The Gradient Flow **Dr Etsuko ITOU (KEK)**
10:45	Coupling Of Alpha- And t-cluster Structures In Excited Deformed States Of ^{35}Cl **Dr Yasutaka TANIGUCHI (Nihon Institute of Medical Science)**					Status Of Global Sterile Neutrino Fits **Mr Gabriel COLLIN (Graduate Student, Massachusetts Institute of Technology)**				
10:55		Collective And Single-particle Structures In The Neutron-rich Doubly Mid-shell Nucleus ^{170}Dy **Dr Söderström PäR-ANDERS (RIKEN)**	Research Programs And Plans At The Soreq Applied Research Accelerator Facility - SARAF **Dr Israel MARDOR (Division Head, Soreq NRC)**	Recent Results In Nuclear Astrophysics At The n-TOF Facility At CERN **Dr Giuseppe TAGLIENTE (Researcher, INFN sez. Bari)**	Measurement Of Angular Correlations In The (N, γ) Reaction For T Violation Search **Mr Takuya OKUDAIRA (PhD. student, Nagoya University)**		Accessing The Long-time Isospin Drift And The Symmetry Energy In Heavy Ion Collisions **Prof Zhigang XIAO (Prof., Tsinghua University)**	Electromagnetic Multipole Moments Of Baryons **Dr Alfons BUCHMANN (Lecturer, University of Tübingen)**	Improved Hadronic Matrix Element ExTraction Using The Variational Method **Mr Jack DRAGOS (PhD Student, CSSM \ Adelaide Univercity Physical Sciences)**	Neutral Mesons And Direct Photons In p-p And Pb-Pb Collisions At Mid-rapidity With ALICE At The LHC **Ms Lucia LEARDINI (Physikalisches Institut Heidelberg)**
11:00	Cluster Decay Of The High-lying Excited States In ^{14}C **Prof Yanlin YE (Professor, Peking University)**					Experiment Neutrino-4 Search For Sterile Neutrino With Multisection Detector Model **Prof Anatolii SEREBROV (Head of Department, Petersburg Nuclear Physics Institute)**				
11:10		Quantum State Selective Decay Spectroscopy Of ^{213} Ra And ^{55}Co **Mr Christian LORENZ (PhD student, Lund University)**	Australian Facility For Noble-gas Radio Isotope Measurements Using Atom Trap Trace Analysis (ATTA) **Dr Philip LIGHT (University Research Fellow, University of Adelaide)**	Half-life Measurement Of Isomeric States In A = 25 And 26 **A/Prof Daiki NISHIMURA (Accistant Professor , Tokyo University of Science)**	Experiment On Search For n-nbar Oscillations Using A Projected USC Source At The WWR-M Reactor **Dr Alexey FOMIN (Senior Scientist, Petersburg Nuclear Physics Institute)**		Time-dependent Measurement Of N-Z Equilibration **Ms Andrea JEDELE**	Nucleon Magnetic Properties from Lattice QCD And The Background Field Method **Mr Ryan BIGNELL (PhD student, Special Research Centre for the Subatomic Structure of Matter, Department of Physics, University of Adelaide, South Australia 50)**	Partonic Charge Symmetry Violation In The Nucleon **A/Prof Ross YOUNG (University of Adelaide)**	Direct Virtual Photon Production In Au + Au Collisions At 200 Gev At STAR **Dr Chi YANG (University of Science and Technology of China)**
11:15	Microscopic Coupled-channels Study Of The Alpha Cluster Structures In ^{19}Ne **Dr Makoto ITO (Kansai University)**									
11:25		Transition Probability Measurements In Os-168 **Dr Tuomas GRAHN (Senior Lecturer, University of Jyväskylä)**	Development Of Secondary Electron Time Detector For Ion Beams **Mr Shinji SUZUKI (Faculty of Pure and Applied Sciences, University of Tsukuba)**	The Statistical Properties Of ^{92}Mo And Implications For The p-process **Dr Gry Merete TVETEN (Post doc, University of Oslo, Department of Physics)**	Measurement Of Neutron Scattering With Noble Gas To Search For A Short-range Unknown Force At J-PARC **Ms Noriko OI (Graduate student, Nagoya University)**		Isovector Properties Of The Nuclear Equation Of State from The Quark-Meson Coupling Model **Miss Ellen MCRAE (PhD student, The Australian National University)**	Study Of Nucleon Excited States With Hamiltonian Effective Field Theory **Dr Zhan-Wei LIU (University of Adelaide)**	Vacuum Correlation Between The Electromagnetic And Strong Forces **Mr Joshua CHARVETTO (PhD Student, University of Adelaide)**	Centrality Issues In Asymmetric Collisions: Direct Photons To The Rescue? **Dr Gabor DAVID (Brookhaven National Laboratory)**
11:30	Direct Determination Of The Radiative Width Of The Hoyle State from Pair Conversion **Dr Tibor KIBEDI (The Australian National University)**									
11:40		Tests Of Partial Dynamical Symmetries In Deformed And Transitional Nuclei **Prof Richard CASTEN (D. Allan Bromley Professor of Physics, Yale Univiersity)**	The ACCULINNA And ACCULINNA-2 Radioactive Ion Beam Facility At Dubna: Status And Perspectives **Dr Grzegorz KAMINSKI (Senior Researcher)**	Test Of The Brink - Axel Hypothesis With Gamma Strength Functions from Forward Angle Inelastic Proton Scattering **Prof Peter VON NEUMANN-COSEL (Institut für Kernphysik, Technische Universität Darmstadt)**	Precise Neutron Lifetime Experiment Using Pulsed Neutron Beams At J-PARC **Mr Naoki NAGAKURA (Student, The University of Tokyo)**		Role Of The Delta Resonance In The Population Of A Four-particle State In The ^{56}Fe-> ^{54}Fe Reaction **Prof Zsolt PODOLYAK (University of Surrey)**	Two-body Wave Functions, Compositeness, And The Internal Structure Of Dynamically Generated Resonances **Dr Takayasu SEKIHARA (Japan Atomic Energy Agency)**	Improving Polynomial-filtered Hybrid Monte Carlo With Hasenbusch **Mr Taylor HAAR (Postgraduate Student, University of Adelaide)**	Constraining The Density Dependence Of The Symmetry Energy Using The Multiplicity And Avergage P_t Ratios Of Charged Pions **Dr Dan COZMA (IFIN-HH)**
11:45	Search For A Ξ Bound State In The ^{12}C(K$^-$,K$^+$)X Reaction At 1.8 Gev/c **Prof Tomofumi NAGAE (Professor, Kyoto University)**									
11:55		Oblate Deformation And Metastable States In Pt And Hg Isotopes **Prof Sujit TANDEL (UGC Associate Professor, UM-DAE Centre for Excellence in Basic Sciences)**		Charge Exchange Reactions Of ^{12}C- ^{19}C And The Beta-decay Strength **Prof Isao TANIHATA (Professor, RCNP, Osaka University)**				Antikaon Interactions With Nucleons And Nuclei –AMADEUS At DaΦne **Dr Johann MARTON (Senior Scientist, Deputy Director, Stefan Meyer Institute (SMI), Austrian Academy of Sciences)**		Finite Size Effect on QCD Phase Transitions via a Non-perturbative QCD Approach **Prof Yu-xin Liu (Peking University)**
12:00	Study Of The Charge Symmetry Breaking Effect In A=4 Lambda-hypernuclei Via Gamma-ray Spectroscopy **Dr Mifuyu UKAI (Associate Professor, IPNS, KEK)**									
12:10		First Direct Observation Of Enhanced Octupole Collectivity In ^{144,146}Ba **Dr Brian BUCHER (Lawrence Livermore National Laboratory)**		Impact Of The First-forbidden Beta Decay On The Prodcution Of The A~195 r-process Peak **Prof Zsolt PODOLYAK (University of Surrey)**				The Light-quark Magnetic Moment Of The Lambda(1405) Antikaon-nucleon Molecule **Dr Jonathan HALL (Visiting Research Associate, The University of Adelaide)**		
12:15	Refuting The Nature Of The Sixth 0+ Hoyle-analogue State Candidate In ^{16}O **Mr Kevin Ching Wei LI (PhD Student, Stellenbosch University, iThemba labs)**									
12:25		**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**
12:30	**Lunch Break**									
13:30										
13:35	*Hall L : 13:35 15:35* *Chairperson: Willem T. H. van Oers (TRIUMF)*									
13:35	Science And Status Of The Electron Ion Collider In The US **Prof Abhay DESHPANDE (Stony Brook University)**									
14:05	The Extreme Light Infrastructure – Nuclear Physics Facility (ELI-NP): Project Implementation And Overview Of The Scientific Program **Prof Sydney GALES (ELI-NP and IPN Orsay)**									
14:35	Progress Of The Rare Isotope Science Project In Korea **Dr Sunchan JEONG (Institute for Basic Science)**									
15:30										
15:35	**Closing Ceremony**									

Themes

- Applied Nuclear Physics/Nuclear Physics in Medicine
- Fundamental Symmetries and Interactions in Nuclei
- Hot and Dense Nuclear Matter
- Neutrinos and Nuclei
- New Facilities and Instrumentation
- Nuclear Astrophysics
- Nuclear Reactions
- Nuclear Structure A
- Nuclear Structure B
- QCD: Hadron Structure and Spectroscopy (will also accept abstracts in the area Hadrons and hadron-hadron interactions in-medium)
- QCD: Partonic phenomena