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

As at 30 August 2016

Monday, 12 September 2016

	Hall L	L2	L3	R1	R2	R3	R4	R5	R6	R7	R8
08:00	Registration										
08:45	**Opening Ceremony by Anthony THOMAS** **M.Brooks (Vice President, Research, University of Adelaide)** **B.H.J McKeller (President IUPAP, University of Melbourne)**										
09:00	***Hall L : 09:00 10:30*** *Chairperson: Prof Alinka Lepine-Szily (Senior professor, University of Sao Paulo)*										
09:00	Direct Reaction Theories For Exotic Nuclei **Prof Angela BONACCORSO**										
09:30	The Discovery Of Element 113 At Riken **Prof Kouji MORIMOTO**										
10:00	Prospects For Breakthroughs In Understanding Nuclei **Prof Witold NAZAREWICZ**										
10:30	**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**	**Morning Tea Break**
11:00	***Hall L : 11:00 12:30*** *Chairperson: Prof Andrew Stuchbery (Australian National University)*										
11:00	Nuclear Physics from The Ground Up **Prof William DETMOLD**										
11:30	Experimental Research On Quark Gluon Plasma With Relativistic Heavy-ion Collisions At RHIC **Prof Shinichi ESUMI**										
12:00	Recent Results from Relativistic Heavy Ion Collisions At The LHC **Prof Camelia MIRONOV (N/A)**										
12:30	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**
13:30	***Hall L 13:30 15:10 Shape coexistence***	***L2 : 13:30 15:10 Theory (I)***	***L3 : 13:30 15:10***	***R1 : 13:30 15:10***	***R2 : 13:30 15:10***	***R3 : 13:30 15:10***	***R4 : 13:30 15:10***	***R5 : 13:30 15:10***	***R6 : 13:30 15:10***	***R7 : 13:30 15:10***	***R8 : 13:30 15:10***
	Chairperson: Prof Steven Yates (Professor, University of Kentucky)	*Chairperson: Prof Andrew Stuchbery (Australian National University)*	*Chairperson: Bradley Sherrill (NSCL)*	*Chairperson: Prof Anatoly Rozenfeld (Centre for Medical Radiation Physics, University of Wollongong)*	*Chairperson: Prof An Aphalhanian (University of Notre Dame)*	*Chairperson: Arthur Olin (TRIUMF)*	*Chairperson: Prof Toshio Suzuki (Professor, Nihon University)*	*Chairperson: Maria Jose Garcia Borge (CERN)*	*Chairperson: Prof Derek Leinweber (Professor of Physics, CSSM)*	*Chairperson: Dr Jianwei Qiu (Brookhaven National Lab)*	*Chairperson: Tetyana Galatyuk (TU Darmstadt*
13:30	Recent Developments In Shape Coexistence Studies **Dr Wolfram KORTEN (staff)**	Structure Of Finite Nuclei Starting At The Quark Level **Prof Anthony THOMAS**	The Jefferson Lab 12 Gev Program **Dr Hugh MONTGOMERY**	Cern-medicis : Innovative Radioisotopes For Medical Applications **Ms Thierry STORA (CERN)**	Interstellar Medium Near Earth – Mapped Through Live Fe-60, Al-26 And Pu-244 On Earth **Dr Anton WALLNER**	High-precision Half-life And Branching Ratio Measurements For Superallowed β+ Emitters At TRIUMF **Mrs Michelle DUNLOP**	Neutrino Induced Meson Production Reactions On Nucleon And Deuteron **Dr Toru SATO (Assoc. Prof., Osaka University)**	Consequences Of Sub-zeptosecond Lifetimes In Near-barrier Reaction Dynamics **Prof Mahananda DASGUPTA (ANU)**	Exposing The Mass At The Heart Of Visible Matter **Dr Craig ROBERTS (Argonne National Laboratory)**	Exposing The Structure Of The Pion **Dr Ian CLOET**	Recent Results from The Phenix Collaboration At RHIC **Dr Alexandre LEBEDEV**
13:55	Shape Coexistence At N=Z Spectroscopy Of The Tz = -1 Nucleus ^{70}Kr **Dr Kathrin WIMMER (The University of Tokyo)**	Theoretical Description Of Beta-delayed Proton Emission Of Proton-rich sd- And pf-Shell Nuclei **Dr Yek Wah LAM (Institute of Modern Physics, Chinese Academy of Sciences)**	The Low Q^2 Chicane And Compton Polarimeter At JLab EIC **Dr Alexandre CAMSONNE (Staff Scientist, Jefferson Laboratory)**	Openpet Enabling Pet Imaging During Radiotherapy **Prof Taiga YAMAYA (National Institute Of Radiological Sciences)**	Measurements Of Stellar And Big-bang Nucleosynthesis Reactions Using Inertially-confined Plasmas **Dr Alex ZYLSTRA (Los Alamos National Laboratory)**	Measurement Of Total Decay Energies Of T=1 And T=1/2 Nuclei At Lebit For The Search Of Physics Beyond The Standard Model **Dr Martin EIBACH (Facility for Rare Isotope Beams)**	Comparison Of The F2 Structure Function In Iron As Measured By Charged Lepton And Neutrino Probes **Dr Cynthia KEPPEL (Group Leader, Thomas Jefferson National Accelerator Facility)**	Study Of Halo Nature Via Reaction And Neutron Removal Cross Sections **Dr Takuma MATSUMOTO**	Chiral Corrections To Electromagnetic Form Factors In The NJL Model **Mr Robert PERRY (PhD Student, Univeristy of Adelaide)**	Kaon Electromagnetic Form Factor **Dr Fei GAO (Peking University)**	Particle Production In Relativistic Nuclear Collisions And The Phase Structure Of QCD **Prof Peter BRAUN-MUNZINGER (EMMI/GSI)**
14:10	Shape Coexistence In Neutron-rich Strontium Isotopes At N=60 **Dr Emmanuel CLÉMENT (Permanent Physicist, IN2P3-GANIL)**	Ab Initio Ground And Excited States For All s-d And p-f shell Nuclei **Dr Jason HOLT (Research Scientist, TRIUMF)**	The Solenoidal Large Intensity Device (SoLID) Program In Hall A At Jefferson Laboratory **A/Prof Abhay DESHPANDE (Stony Brook University)**		Galactic Dark Matter Search With The Sabre Detector **Dr Greg LANE (Senior Fellow, Australian National University)**	The Mu2e Experiment At FNAL **Dr Ed HUNGERFORD (Professor, American Physical Society)**	New Results from Reno And Future Reno-50 Project **Dr June-Ho CHOI (Dongshin University)**	Reaction Dynamics For The Systems ^{9}Be,^{8}B+^{208}Pb At Energies Around The Coulomb Barrier **Dr Marco MAZZOCCO (Researcher, University of Padova)**	Hadron Structure from The Feynman-Hellmann Theorem **Mr Alexander CHAMBERS (Student, University of Adelaide)**	Centre Vortices As The Origin Of Quark Confinement **Dr Waseem KAMLEH (Senior Research Associate, University of Adelaide)**	
14:20				Determination And Monte Carlo Simulations Of Neutron Flux Inside Spallation Target Quinta **Mr Pavel TICHY (Joint Institute for Nuclear Research)**							Possible Formation Of High Temperature Superconductor At Early Stage Of Heavy-ion Collisions **Ms Hao LIU (IHEP)**
14:25	Exploring The Onset Of The N=60 Shape Coexistence In Sr **Prof Reiner KRUECKEN (Deputy Director, TRIUMF)**	Partial Wave Decomposition Of Finite-range Effective Interactions **Dr Alessandro PASTORE (Lecturer, University of York)**	The New Stage Of S = −2 Hypernuclear Study Opened With A New High-resolution Spectrometer **Dr Shunsuke KANATSUKI**		Equation Of State For Hybrid Stars With Strangeness **Dr Tsuyoshi MIYATSU (Tokyo University of Science)**	Muonium Hyperfine Splitting Measurement In J-PARC **Mr Sohtaro KANDA**	Theoretical Challenges In Neutrinoless Double Beta Decay **A/Prof Sabin STOICA (professor, Horia Hulubei Foundation)**	Locations Of Breakup In Reactions Near The Fusion Barrier **Dr Edward SIMPSON (Postdoctoral Fellow, The Australian National University)**	Latest Results from The Olympus Experiment **Mr Axel SCHMIDT (Graduate Student, American Physical Society)**	Constraints On The sbar-s Asymmetry Of The Proton In Chiral Effective Theory **Dr Xuangong WANG**	
14:35				Neutron Flux Determination By High Accuracy Temperature Measurement **Mr Josef SVOBODA**							Light Flavour Hadron Production In Proton-proton Collisions At 13 TeV With Alice At The LHC **Mr Sourav KUNDU**
14:40	In-beam Gamma-ray Spectroscopy Of ^{88,90,92,94}Se **Mr Sidong CHEN (RIKEN Nishina Center)**	Effects Of Meson-nucleon Dynamics In A Relativistic Approach To Medium-mass Nuclei **A/Prof Elena LITVINOVA**	The Super Bigbite Spectrometer (SBS) Physics Program At Jefferson Laboratory **A/Prof Vincenzo BELLINI (INFN-Catania)**		Neutron Star Structure Explored With A Family Of Unified Equations Of State Of Neutron Star Matter **Prof Kazuhiro OYAMATSU (Professor, Aichi Shukutoku University)**	Search For A Leptophobic Gauge Boson Via η Decay At Jlab **Prof Liping GAN (professor, University of North Carolina Wilmington)**		Direct Breakup Rections Of ^{8}B At Fermi Energy **Prof Jian-Song WANG**	Progress On Neutrino-proton Neutral-current Scattering In Microboone **Prof Stephen PATE (Professor of Physics, New Mexico State University)**	The Role Of Spin In Quark Hadronization **Dr Hrayr MATEVOSYAN (Senior Research Associate, CSSM/CoEPP, University of Adealide)**	
14:50											The Role Of Strangeness In Hadronic Matter (In)stability: from Hypernuclei To Compact Stars **Prof Debora PERES MENEZES (Full Professor, UFSC)**
14:55	Deformed Structures And Shape Coexistence In ^{96} Zr **Dr Bruno OLAIZOLA (Postdoc, University of Guelph)**				Variational Study Of Hyperon Effects On The Nuclear Equation Of State At Finite Temperature **Dr Hajime TOGASHI**			The First Measurement Of Cross Section For The ^{7}Be(n,α)^{4}He Reaction Near The Threshold Energy **A/Prof Takahiro KAWABATA (Asscociate Professor, Department of Physics, Kyoto University)**	Electroweak Polarisabilities Using Feynman-Hellmann On The Lattice **Mr Kim SOMFLETH (PhD Student, CSSM)**		
15:10	**Afternoon Tea Break**	**Afternoon Tea Break**	**Afternoon Tea Break**	**Afternoon Tea Break**	**Afternoon Tea Break**	**Afternoon Tea Break**	**Afternoon Tea Break**	**Afternoon Tea Break**	**Afternoon Tea Break**	**Afternoon Tea Break**	***Afternoon Tea***
15:40	***Hall L : 15:40 16:50 Nuclear radii and nuclear skin***	***L2 : 15:40 16:50 Collective states***	***L3 : 15:40 16:50***	***R1 : 15:40 16:50***	***R2 : 15:40 16:50***	***R3 : 15:40 16:50***	***R4 : 15:40 16:50***	***R5 : 15:40 16:50***	***R6 : 15:40 16:50***	***R7 : 15:40 16:50***	***R8 : 15:40 16:50***
	Chairperson: Prof Isao Tanihata (Professor, RCNP, Osaka University)	*Chairperson: Dr Masaki Sasano (Research scientist, RIKEN, Nishina Center)*	*Chairperson: Robert Tribble (Brookhaven National Lab)*	*Chairperson: Dr James Tickner (CSIRO)*	*Chairperson: Dr Anton Wallner (ANU)*	*Chairperson: Prof David Hinde (ANU)*	*Chairperson: Prof Michael Famiano (APS)*	*Chairperson: Dr Edward Simpson (Postdoctoral Fellow, The Australian National University)*	*Chairperson: Mr Rafal Lalik (PhD student, Technische Universität München Fakultät für Physik. E62)*	*Chairperson: Dr James Zanotti (CSSM)*	*Chairperson: A/Prof Pengfei Zhuang*
15:40	First Result from Scrit Electron Scattering Facility : Charge Density Distribution Of ^{132} Xe **Dr Kyo TSUKADA (Assistant professor, Physical Society of Japan), Dr Akitomo ENOKIZONO**	Recent Advances In Nuclear Structure Physics from Photonuclear Reactions **Prof Norbert PIETRALLA (Director)**	Alice Future Upgrades And Perspectives **Prof Massimo MASERA (faculty)**	Recent Developments And Trends In Accelerator Mass Spectrometry **Prof Keith FIFIELD (Professor Emeritus, Australian National University)**	Measurement Of The Heaviest Beta-delayed Neutron-emitters With Belen **Dr Iris DILLMANN (APS, CAP)**	Dynamical Evolution Of Super-heavy Systems Studied Using The X-ray Fluorescence Technique **Dr Maurice MORJEAN (GANIL)**	Neutrino Interactions With Nuclei For Neutrino Process In Supernova Explosion **Prof Myung-Ki CHEOUN**	Charge Exchange Reaction Of RI Beam To Populate Exotic States **Prof Susumu SHIMOURA (Professor, Center for Nuclear Study, University of Tokyo)**	New Results On The Structure Of Baryons And Their Excitations from Lattice QCD **Prof Derek LEINWEBER (Professor of Physics, CSSM, University of Adelaide)**	Recent Results On Light Pseudoscalar Mesons **Dr Paolo GAUZZI**	Studies Of Jets In QGP Medium At CMS **Prof Olga EVDOKIMOV**
16:05	Mapping The Densities Of Exotic Nuclei **Prof Steven KARATAGLIDIS (University of Johannesburg, University of Melbourne)**	Inelastic Neutron Scattering Studies: Relevance To Neutrinoless Double-beta Decay **Prof Steven YATES (Professor, University of Kentucky)**	Development Of Ring-imaging Cherenkov Counter For Heavy Ions **Mr Masahiro MACHIDA (master's student, Tokyo University of Science)**	Nuclear Data For Nuclear Sciences And Applications **Dr Paraskevi DIMTRIOU (Staff, International Atomic Energy Agency)**	Nucleosynthesis Reactions With The High-intensity Saraf-lill Neutron Source **Prof Michael PAUL (Hebrew University)**	Suppression Of Fusion In Heavy Ion Collisions **Miss Dongyun JEUNG (Ph.D Candidate, The Australian National University)**	Collective Neutrino Flavor Oscillations And Application To Supernova Nucleosynthesis **Mr Hirokazu SASAKI (Department of Astronomy, Graduate School of Science, The University of Tokyo, National Astronomical Observatory of Japan)**	Effects Of Resonances In Low-energy Nucleon Scattering With Weakly-bound Nuclei **A/Prof Ken AMOS (reader (rtd), University of Johannesburg and University of Melbourne)**	Electromagnetic Form Factors Of Nucleon Excitations from Lattice QCD **Mr Finn STOKES (PhD Candidate, The University of Adelaide)**	QCD Mechanisms In The Parton Structure Of Mesons **Prof Peter TANDY (Fellow, American Physical Society)**	Multidimensional Structure Of Chiral Crystals In Quark Matter **Dr Tong-Gyu LEE**
16:20	Proton Distribution Radii Of $^{12-19}$C Illuminate Features Of Neutron Halos And Equation Of State **Prof Rituparna KANUNGO**	QRPA With The Gogny Force For Low Energy Spectroscopy Gamma Strengths And Beta Decay **Dr Sophie PéRU (CEA)**	A New Low-energy Plastic Scintillation Neutron Detector For Real Time Pulse Shape Discrimination **Dr Laszlo STUHL (Researcher, Center for Nuclear Study, the University of Tokyo)**	Use Of Accelerator Mass Spectrometry In Research On Fallout Plutonium And Uranium from Nuclear Tests **Dr Michael HOTCHKIS (ANSTO)**	First Results from Griffin Including The Half-lives Of $^{128-130}$Cd **Mr Ryan DUNLOP (University of Guelph)**	Probing Quasifission In Reactions Forming Rn Nucleus **Ms A Shamlath (Research Scholar, Central University of Kerala)**	Estimation Of Supernova-neutrino Nuclear Responses **Ms Wafa ALMOSLY (PhD student, Jyvaskyla University)**	The Threshold Anomaly Of Optical Potentials And The Dispersion Relation For Weakly-bound Nuclear Systems **Prof Chengjian LIN (Professor, China Institute of Atomic Energy)**	The New Proton Charge Radius Experiment At JLab **Prof Dipangkar DUTTA**	Meson Electroproduction Experiments At Jefferson Lab And The Kaon Form Factor **Prof Tanja HORN**	Probing Nuclear PDF And Gluon Saturation At The LHC With Forward Direct Photons **Dr Mauro Rogerio COSENTINO (Assistant Professor, ALICE Collaboration)**
16:35	Dipole Polarizability Of ^{46}Ca And Implications For The Neutron Skin Thickness **Prof Peter VON NEUMANN-COSEL**	Search For Double Gamow-Teller Giant Resonance Via Heavy-ion Double Charge Exchange Reaction **Mr Motonobu TAKAKI**	ELI-NP Facility Construction And Overview Of The Experimental Programme **Dr Ovidiu TESILEANU (ELI-NP, IFIN-HH)**		Direct Measurements Of Astrophysical Reactions Using Radioactive Ion Beams **Dr Gavin LOTAY**			^{6} Li Structure Information from ^{7}He(α,α)^{2} He Scattering **Dr Paul FRASER (Postdoctoral fellow, Curtin University)**	Pure Sea-quark Contributions To The Magnetic Form Factors Of Sigma Baryons **Prof Ping WANG (IHEP, Beijing)**		Magnetic Properties Of Quark Matter With The Inhomogeneous Chiral Condensate **Mr Ryo YOSHIIKE (Kyoto University)**
16:50	**Poster Session**										
18:00	**Poster Session Close**										
18:00	**EIC Information Session**										
19:00	**EIC Information Session Close**										

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