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

As at 30 August 2016

Thursday, 15 September 2016

	Hall L	L2	L3	R1	R2	R3	R4	R5	R6	R7	R8
09:00	*Hall L : 09:00 10:30*										
	Chairperson: Angela Bracco (Università di Milano and INFN)										
09:00	Baryon Spectrum And Structure **Prof Annalisa D'ANGELO (University of Rome and INFN Roma)**										
09:30	Experimental Studies Of Hadron Structure Via Generalized Parton Distributions **Prof Silvia NICCOLAI (Ipn Orsay)**										
10:00	Competition Between Fusion And Quasifission In The Formation Of Superheavy Elements **Prof David HINDE (The Australian National University)**										
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: Claes Fahlander (Lund University)										
11:00	The Cryogenic Underground Observatory For Rare Events: Status And Prospects **Prof Eric NORMAN (University of California, Berkeley)**										
11:30	Cold And Ultra-cold Neutrons As Probes Of New Physics **Dr Gertrud KONRAD (Junior Group Leader, SMI & TU Wien)**										
12:00	Nuclear Physics In Proton Radiotherapy **Dr Cynthia KEPPEL (Group Leader, JLab)**										
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	*Chairperson: Prof Alexandra Gade*	*Chairperson: Dr Wolfram Korten (CEA Saclay)*	*Chairperson: Faiçal Azaiez (iThemba LABS)*	*Chairperson: Dieter Roehrich*	*Chairperson: Prof Karlheinz Langanke (GSI) (Professor, DPG)*	*Chairperson: Dr Dieter Eversheim (University Bonn)*	*Chairperson: Prof Kai Zuber (Head of Nuclear Physics Dept., TU Dresden)*	*Chairperson: Dr Cedric Simenel (ANU)*	*Chairperson: Prof Phillip Cole (Idaho State University)*	*Chairperson: Prof William Brooks (Universidad Técnica Federico Santa María)*	*Chairperson: Prof Peter Braun-Munzinger (EMMI/GSI)*
13:55	The AGATA Physics Campaign In GANIL: Results And Perspectives **Prof Silvia LENZI (Padova University and INFN)**	In-gas-jet Laser Spectroscopy Of ^{214,215}Ac And Prospects For Studies Of The Actinide Region **Prof Piet VAN DUPPEN (Professor, KU Leuven)**	The EURISOL-DF Project C. **Dr Marek LEWITOWICZ (GANIL)**	Compact Hadron Driver for Cancer Therapies Using Continuous Energy Sweep Scanning **Prof Ken TAKAYAMA (High Energy Accelerator Research Organization)**	Nuclear Robustness Of The r-process In Neutron-star Mergers **Prof Gabriel MARTINEZ-PINEDO (Gsi Darmstadt And Tu Darmstadt)**	Measurement Of Properties Of Antihydrogen With The Alpha Trap **Dr Art OLIN (Research Scientist Emeritus, TRIUMF)**	2Nuclear Reactions And Neutrinos In Supernovae **Prof Silvio CHERUBINI (Associate Professor, University of Catania and INFN-Laboratori Nazionali del Sud)**	The ^{70}Ca+^{58,64}Ni Sub-barrier Fusion Reactions: Interplay Between Inelastic And Transfer Channels **Prof Sandrine COURTIN (Professor, IPHC and USIAS)**	Inclusive Λ Hyperon Production In Proton-proton Reactions At 3.5 GeV Measured With Hades **Mr Rafal LALIK (PhD student, Technische Universität München Fakultät für Physik, E62)**	Experimental Overview On GPDs And TMDs **Prof Haiyan GAO (Duke University)**	Results And Plans For The Study Of Heavy Ion Collisions At LHC-B **Mr Patrick ROBBE (LAL, Université Paris-Sud, CNRS/IN2P3, Orsay, France)**
14:10	Theoretical Analysis Of Proton Emission Following Beta-decay Of ^{56}Zn **Prof Werner RICHTER (Honorary Research Associate, iThemba LABS)**	Is The Generalized Brink-Axel Hypothesis Valid? **Prof Magne GUTTORMSEN (Professor, Department of Physics, University of Oslo, Norway)**	The ARIEL Facility At TRIUMF, Science Opportunities And Status **Prof Jens DILLING (ALD TRIUMF, TRIUMF and UBC)**	Progress In Reactor And Accelerator Based BNCT At Kyoto University Research Reactor Institute **Prof Yoshinori SAKURAI (Kyoto University Research Reactor Institute)**	Quest For The Origin Of r-process In Nuclear Physics And Galactic Evolution **Prof Taka KAJINO (University of Tokyo)**	Antimatter Gravity Measurement In A Beam - The AEgIS Experiment **Prof Eberhard WIDMANN (Stefan Meyer Institute)**	Neutrino-nucleus Reaction Cross Sections For Neutrino Detection And Nucleosynthesis In Supernova Explosions **Prof Toshio SUZUKI (Professor, Nihon University)**	Sub-barrier Fusion Of Si + Si Systems: Does The Deformation Of ^{28}Si Play A Role? **Ms Giulia COLUCCI (PHD student, University of Padova)**	Hyperon-nucleon Scattering In A Covariant Chiral Effective Field Theory Approach **Mr Kai-Wen LI (Beihang University)**	Cross Sections For Deeply Virtual Compton Scattering With CLAS **Dr Hyon-Suk JO (Institute for Basic Science)**	Hadron-hadron Correlation And Interaction from Heavy-ion Collisions **Prof Akira OHNISHI (Physical Society of Japan)**
14:20	T = 2 IAS In ^{52}Co And Its Impact On The Understanding Of . Beta-decay Of ^{56}Ni **Prof Yu-Hu ZHANG**	Structure Of Neutron-rich Nuclei Via Beta Decay And Mass Measurements **Dr Filip KONDEV (Staff, Argonne National Laboratory)**	The iThemba Labs Radioactive-ion Beams Project **Dr Robert BARK (Leader, radioactive-ion beam project, iThemba LABS)**	The Foot (Fragmentation Of Target) Experiment **Prof Vincenzo PATERA (Professor, University of Rome "Sapienza")**	Relativistic Electron-positron Plasma Screening In Astrophysical Environments **Prof Michael FAMIANO (APS)**	Measuring The Ground State Hyperfine Splitting Of Antihydrogen **Ms Bernadette KOLBINGER (Stefan Meyer Institute)**	Supernova Neutrino Process And Sensitivity To Neutrino Temperatures **Dr Takehito HAYAKAWA (Researcher, National Institutes for Quantum and Radiological Science and Technology)**	The Effect Of The Positive Q-value Neutron Transfers On Near-barrier Heavy-ion Fusion **Dr Huiming JIA (China Institute of Atomic Energy)**	Hyperon Single-particle Potentials from QCD On Lattice **A/Prof Takashi INOUE (Dept. of Physics, Nihon University, College of Bioresource Sciences)**	Double Deeply Virtual Compton Scattering Opportunities At Jefferson Laboratory **Dr Alexandre CAMSONNE (Staff Scientist, Jefferson Laboratory)**	Summary Of The Latest Results On Heavy Flavour Dilepton In p-p And Pb-Pb At CMS **Prof Dong Ho MOON (Assistant Professor, Chonnam National University)**
14:25	Isospin-nonconserving Interactions Studied Through Triplet Energy Differences **Prof David JENKINS**	Laser Spectroscopy On Nobelium Isotopes At GSI **Dr Sebastian RAEDER (Helmholtz Institut Mainz)**	Nuclear Structure Studies With The Penning Trap Mass Spectrometer MILLTRAP At ALTO **Dr Enrique MINAYA RAMIREZ (Institut de Physique Nucléaire, Orsay)**			The MTV Experiment: from T-violation To Lorentz-violation **Prof Jiro MURATA (Professor, Rikkyo University)**		High Precision Measurement Of The 3-alpha Decay from The Hoyle State In The ^{12}C(^{12}C,3α) Reaction **A/Prof Masatoshi ITOH (Associate Professor, Tohoku University)**	Improved ^{3}He (K$^-$,Λp)n Spectroscopy To Search For The Kbarnn Bound State With J-PARC E15-2nd Data **Mr Takumi YAMAGA (Ph.D student, Osaka university)**	Charge Symmetry Breaking In The dd→απ^0 Reaction With WASA-at-COSY **Ms Maria Katarzyna ZUREK (PhD Student, Forschungszentrum Juelich, University of Cologne)**	Estimating Transport Coefficients In Hot And Dense Quark Matter **Prof Hiranmaya MISHRA (Physical Research Laboratory, Ahmedabad 380009)**
14:35				Validation Of Geant4 Fragmentation For Heavy Ion Therapy **Mr David BOLST (PhD Student, Centre for Medical Radiation Physics, University of Wollongong)**	Electron-capture Rates Of Nuclei At Stellar Environments And Nucleosynthesis **Prof Toshio SUZUKI (Professor, Nihon University)**						
14:40		Collinear Laser Spectroscopy For Nuclear Structure Studies At NSCL **Prof Paul MANTICA (FRIB, Michigan State University)**	The Rare Isotope Science Project: Development Progress Of ISOL System **Dr Byoungchwi KANG (Research Fellow, Institute for Basic Science)**			Dark Matter Search At Accelerators **Dr Battaglieri MARCO (Senior researcher, INFN-GE)**		Study Of High Lying Resonances In ^{9}Be By The Measurement Of (p,p), (p,α) And (p,d) Reactions **Prof Alinka LEPINE-SZILY (senior professor, University of Sao Paulo)**	Reaffirmation Of A Deeply Bound Xi- ^{14}N System, Kiso Event, With A Recent Experimental Result **Dr Kazuma NAKAZAWA (Professor, Physics Department, Gifu Univ.)**	A Compact Photon Source For The WACS Experiment At Jlab **Prof Vincenzo BELLINI (Full professor, University of Catania and INFN Sezione of Catania)**	
14:45	Search For Mixed-symmetry States In The Vicinity Of The Doubly-magic Nucleus Pb-208 **Mr Robert STEGMANN (Institut für Kernphysik, Technische Universität Darmstadt)**						Neutrino Nuclear Responses For Double Beta Decays And Supernova Neutrinos **Prof Hidetoshi AKIMUNE (Full member, Japan Physics Society)**				
14:50											
14:55	Crossing The Drip-line In The Vicinity Of ^{100}Sn **Dr Marek LEWITOWICZ (GANIL)**	Shell Model Calculation Of Nuclei Around ^{208}Pb **Ms Eri TERUYA**	Developments Of RIB Target Module And Remote Handling System At RISP **Dr Jin Ho LEE (Institute for Basic Science)**		Key Reaction Rates Of s-process Nucleosynthesis And The Impacts Of Nuclear-physics Uncertainty **Dr Nobuya NISHIMURA (Research Associate, Keele University)**			Comparison Between ^{9}Li And ^{15}Be Nuclei from Viewpoint Of Nuclear Structure And Reaction **Dr Takenori FURUMOTO (Associate Professor, Graduate school of Education, Yokohama National University)**	Antibaryon Interactions With The Nuclear Medium **Mrs Jaroslava HRTANKOVA (Nuclear Physics Institute)**		Recent Results On Heavy Flavor Production At RHIC-PHENIX **Dr Takashi HACHIYA (Post doctoral reseacher, RIKEN BNL research center)**
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 Break**
15:40	*Hall L : 15:40 16:50 Structure of neutron-rich nuclei (2)*	*L2 : 15:40 16:50 Emergence of collectivity*	*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: Dr Pieter Doornenbal (RIKEN)	*Chairperson: Prof David Jenkins (University of York)*	*Chairperson: Rauno Julin (University Of Jyvaskyla)*	*Chairperson: Michael Hotchkis (Australian Nuclear Science and Technology Organisation)*	*Chairperson: A/Prof Catherine Deibel (Louisiana State University)*	*Chairperson: Prof Jose Benlliure (Universidade de Santiago de Compostela)*	*Chairperson: Dr Takehito Hayakawa (Researcher, National Institutes for Quantum and Radiological Science and Technology)*	*Chairperson: Prof Takashi Nakatsukasa (University of Tsukuba)*	*Chairperson: Dr Marina Nielsen (Full Professor, Universidade de São Paulo)*	*Chairperson: Haiyan Gao (Duke University)*	*Chairperson: Dr Gabor David (Brookhaven National University)*
15:40	Nuclear Structure At N = 29: The Structure Of ^{47}Ar And First Spectroscopy Of ^{45}S **Prof Alexandra GADE (Michigan State University)**	Tracking The Emergence Of Nuclear Collectivity Through Moments And Monopoles **Prof Andrew STUCHBERY (ANU)**	The Facility For Antiproton And Ion Research FAIR **Prof Karlheinz LANGANKE (GSI) (Professor, DPG)**	Industrial Assay Of Gold And Other Elements In Mineral Ores Using Gamma Activation Analysis **Dr James TICKNER (CSIRO)**	Underground Nuclear Astophysics Experiment In Jinping China: JUNA **Prof Weiping LIU (Vice director, China Institute of Atomic Energy)**	Active Target - Time Projection Chambers For The Study Of Nuclear Reactions With Radioactive Beams **Prof Wolfgang MITTIG (FRIB-NSCL)**	Nuclear Equation Of State Effects In Stellar Collapse: Nucleosynthesis **Prof Michael FAMIANO (APS)**	Microscopic Description Of Nuclear Fission **Prof Aurel BULGAC (Professor, University of Washington)**	η Interactions In The Nuclear Medium And Eta-nuclear Bound States **Dr Jiri MARES (Nuclear Physics Institute)**	Twist-3 Spin Asymmetries And Parton Correlations In High-energy Processes **Prof Yuji KOIKE (Niigata University)**	Recent Heavy Ion Results from The ATLAS Experiment **Prof Andrzej OLSZEWSKI**
16:05	Low-lying Structures Of Exotic Sc Isotopes And The Evolution Of The N=34 Subshell Closure **Dr David STEPPENBECK (RIKEN Nishina Center)**	Nature Of 0+ States In Deformed Nuclei **Prof Ani APRAHAMIAN (University of Notre Dame)**	Status Of The Low-energy Facilities For Antiproton And Heavy-ion Experiments At FAIR **Prof Stoehlker THOMAS (GSI-Darmstadt & HI-Jena)**	UAV-based Mobile Gamma Spectrometry **Prof Ralf KAISER (Section Jead, EPS, IOP, DPG)**	Towards A New Quality Of High-precision Half-life Measurements: ^{60}Fe, ^{53}Mn,^{146}Sm,^{32}Si **Dr Stephan HEINITZ (Paul Scherrer Institute)**	Physical Problem To Be Clarified At ACCULINNA-2 Fragment Separator **Dr Grzegorz KAMINSKI (Joint Institute for Nuclear Research)**	Asymmetric Neutrino Emissions In Strongly Magnetized Matter In Relativistic Quantum Approach **Prof Tomoyuki MARUYAMA (Professor, Nihon university)**	Fusion, Fission, And Other Collective Motion from A Mean Field Approach **Dr Paul STEVENSON**	Meson Production In p-d Fusion To ^{3}He X At Proton Beam Momenta Between P_p = 1.60 Gev/c And P_p = 1.74 Gev/c With WASA-at-COSY **Mr Nils HüSKEN (WWU Muenster / WASA Collaboration)**	Neutron Parton Structure And The Light-front Spectral Function Of ^{3}He **Prof Emanuele PACE (Professor, Universita' di Roma Tor Vergata, Dipartimento di Fisica, and INFN, Roma Tor Vergata, Italy)**	Quark-spin Polarization And Spontaneous Magnetization In Quark Matter At Finite Density **Prof Yasuhiko TSUE (Kochi University)**
16:20	Time-of-flight Mass Measurements Of Neutron-rich Calcium Isotopes Beyond N = 34 **Mr Motoki KOBAYASHI (Center for Nuclear Study, University of Tokyo)**	Systematic Studies Of E0 Transitions In ^{54,56,58}Fe **Mr Tomas ERIKSEN (The Australian National University)**	Sharaq Spectrometer: High-resolution Spectroscopy Using Exotic Beams And Reactions **Dr Shin'Ichiro MICHIMASA (University of Tokyo)**		Probing Big Bang Nucleosynthesis Deep Underground **Dr Carlo GUSTAVINO (INFN)**	Unusual Behavior Of Nuclear Charge Radii And Reaction Cross Section In N=28 Region **Dr M HEMALATHA (Assistant Professor, UM-DAE Centre for Excellence in Basic Sciences)**		Three-nucleon Reactions With Improved Chiral Forces **Dr Roman SKIBINSKI (Jagiellonian University)**	Studies On η Meson Production In dp Collisions At The Magnetic Spectrometer ANKE **Mr Christopher FRITZSCH (WWU Münster/ANKE Collaboration)**	Transverse Momentum Dependent Quark Distributions In The Nambu-Jona-Lasinio Model **Mr Yu NINOMIYA (Ph.D , Department of Physics, School of Science, Tokai University)**	Final State Effects On Chiral Magnetic Effects In Relativistic Heavy-ion Collisions **Dr Guo-Liang MA (Shanghai Institute of Applied Physics, Chinese Academy of Sciences)**
16:30											
16:35	Gamma-ray Spectroscopy Of Neutron-rich Nuclei Beyond N=50 **Dr Jérémie DUDOUET (Institut de Physique Nucléaire de Lyon)**	Exploring Nuclear Shell Evolution With Nucleon Transfer Reactions **Prof Wilton CATFORD (University of Surrey)**	First Online Mass Measurements Of Isobar Chains Via Mtrof-ms: Toward Direct Identification Of SHE **Dr Yuta ITO (Riken)**			First Experiments With The Spirit-TPC **Dr Mizuki KURATA-NISHIMURA (Contract Researcher, RIKEN)**			Kaonic Atoms As Probe For Low-energy QCD **A/Prof Johann ZMESKAL (Senior Scientist, Stefan Meyer Institute For Subatomic Physics)**		Fluctuations In The Inhomogeneous Chiral Transition **Prof Toshitaka TATSUMI (Japan physical society)**
16:50	**Poster Session**										
18:00	**Close**										
18:30	**Conference Dinner**										
22:00	**Conference Dinner 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