INPC2013 - International Nuclear Physics Conference

Report of Contributions

https://agenda.infn.it/e/inpc2013
[NS233] (I) Nuclear Structure Experiments Beyond the Neutron Dripline

Monday, 3 June 2013 14:30 (25 minutes)

Summary

Presenter: THOENNESSEN, Michael (NSCL MSU, USA)
Session Classification: A1 - Nuclear Structure
[HD045] (I) Jet Quenching with ATLAS and CMS

Monday, 3 June 2013 14:30 (25 minutes)

Summary

Presenter: KURT, Pelin (CERN, Switzerland)
Session Classification: G1 - Hot and Dense Nuclear Matter
Summary

**Presenter:** BOCK, Friederike (LBNL, USA)

**Session Classification:** G1 - Hot and Dense Nuclear Matter
[NS259] A new experimental study of the \(^{12}\)Be cluster structure

*Monday, 3 June 2013 14:55 (15 minutes)*

**Summary**

**Presenter:** YE, Yan-Lin (Peking University, China)

**Session Classification:** A1 - Nuclear Structure
[NS045] Preliminary results of a more accurate measurement of the radiative $4^+ \rightarrow 2^+$ transition in $^8\text{Be}$

Monday, 3 June 2013 15:10 (15 minutes)

Summary

**Presenters:** ROUT, Prakash C. (BARC Mumbay, India); NANAL, Vandana (TIFR Mumbai, India)

**Session Classification:** A1 - Nuclear Structure
[NS152] Kinematically complete measurements of Coulomb breakup of Borromean halo nuclei at the SAMURAI facility at RIBF

Monday, 3 June 2013 15:25 (15 minutes)

Summary

Presenter: NAKAMURA, Takashi (Tokyo Institute of Technology, Japan)
Session Classification: A1 - Nuclear Structure
[NS040] Mass dependence of short-range correlations in nuclei and the EMC effect

Monday, 3 June 2013 15:40 (15 minutes)

Summary

Presenter: COSYN, Wim (Ghent University, Belgium)

Session Classification: A1 - Nuclear Structure
INPC2013 - Inter... / Report of Contributions

Contribution ID: 23
Type: not specified

[NS157] (I) Decay spectroscopy of very neutron-rich nuclei at RIBF

Monday, 3 June 2013 14:30 (25 minutes)

Summary

Presenter: NISHIMURA, Shunji (RIKEN, Japan)
Session Classification: B1 - Nuclear Structure
[NS076] Beta-delayed fission of neutron-deficient Fr and At isotopes

Monday, 3 June 2013 14:55 (15 minutes)

Summary

Presenter: GHYS, Lars (KU Leuven, Belgium)
Session Classification: B1 - Nuclear Structure
[NS189] The observation of a strong E0 component in the $2^{2+} \rightarrow 2^{2+}$ transition in $^{184}$Hg from the β-decay of laser-ionized thallium isotopes: a strong signature for shape coexistence.

*Monday, 3 June 2013 15:10 (15 minutes)*

Summary

*Presenter:* RAPISARDA, Elisa (CERN, Switzerland)

*Session Classification:* B1 - Nuclear Structure
[NS013] Beta-decay spectroscopy towards the r-process path

Thursday, 6 June 2013 17:10 (15 minutes)

Summary

Presenter: BENZONI, Giovanna (INFN - Milano, Italy)
Session Classification: A6 - Nuclear Structure
Contribution ID: 27

Type: not specified

[NS166] Beta Decay of Exotic T<sub>Z</sub> = -1, -2 Nuclei: the Interesting Case of <sup>56</sup>Zn

Monday, 3 June 2013 15:40 (15 minutes)

Summary

Presenter: ORRIGO, Sonja (CSIC Valencia, Spain)

Session Classification: B1 - Nuclear Structure
[NS257] $\beta$-decay studies of neutron-rich nuclei in the vicinity of $^{78}$Ni

*Monday, 3 June 2013 15:55 (15 minutes)*

**Summary**

**Presenter:** XU, Zheng-Yu (University of Tokyo, Japan)

**Session Classification:** B1 - Nuclear Structure
[NS242] (I) Recent shell-model results for exotic nuclei

Monday, 3 June 2013 14:30 (25 minutes)

Summary

Presenter: UTSUNO, Yutaka (JAEA, Tokai, Japan)
Session Classification: C1 - Nuclear Structure
[NS035] Search for multi-quasiparticle isomers in $^{254}$Rf

Tuesday, 4 June 2013 15:25 (15 minutes)

Summary

Presenter:  KONDEV, Filip G. (ANL, USA)
Session Classification:  B3 - Nuclear Structure
[NS196] Octupole correlations from a theoretical perspective

Monday, 3 June 2013 15:25 (15 minutes)

Summary

Presenter: ROBLEDO, Luis M. (Universidad Autonoma de Madrid, Spain)
Session Classification: C1 - Nuclear Structure
[NS253] Centrifugal stretching of $^{170}$Hf in the Interacting Boson Model

*Monday, 3 June 2013 15:10 (15 minutes)*

**Summary**

**Presenter:** WERNER, Volker (Yale University, USA)

**Session Classification:** C1 - Nuclear Structure
Summary

Presenter: TANDEL, Sujit K. (UM-DAE, Mumbai, India)
Session Classification: C1 - Nuclear Structure
[NS084] Scissors Strength in the Quasi-Continuum of Actinides

Monday, 3 June 2013 15:55 (15 minutes)

Summary

Presenter: GUTTORMSEN, Magne (University of Oslo, Norway)

Session Classification: C1 - Nuclear Structure
[NS214] (I) Nuclear structure and reaction studies with exotic nuclei at FRS-ESR

Thursday, 6 June 2013 14:30 (25 minutes)

Summary

Presenter: SCHEIDENBERGER, Christoph (GSI, Germany)
Session Classification: B5 - Nuclear Structure
[NS055] Precision mass measurements of short-lived nuclei for nuclear structure studies

Monday, 3 June 2013 17:10 (15 minutes)

Summary

Presenter:  DILLING, Jens (TRIUMF, Canada)
Session Classification:  A2 - Nuclear Structure
[NS113] Establishing the neutron magic number N = 32 with mass measurements of $^{53,54}$Ca using ISOLTRAP's MR-TOF MS

Monday, 3 June 2013 17:25 (15 minutes)

Summary

Presenter: KREIM, Susanne (CERN. Switzerland)
Session Classification: A2 - Nuclear Structure
[NS222] Investigating the strength of the N = 34 subshell closure in $^{54}$Ca

Monday, 3 June 2013 17:40 (15 minutes)

Summary

Presenter:  STEPPENBECK, David (University of Tokyo, Japan)
Session Classification:  A2 - Nuclear Structure
[NS125] Nuclear Structure of neutron-rich nuclei around N=40

Monday, 3 June 2013 17:55 (15 minutes)

Summary

Presenter: LENZI, Silvia M. (Università di Padova, Italy)

Session Classification: A2 - Nuclear Structure
[NS056] Effective theory for low-energy nuclear energy density functionals

*Monday, 3 June 2013 18:10 (15 minutes)*

**Summary**

**Presenter:** DOBACZEWSKI, Jacek (University of Jyväskylä, Finland)

**Session Classification:** A2 - Nuclear Structure
[NS087] (I) Advances in coupled-cluster computations of medium mass and neutron rich nuclei

Monday, 3 June 2013 16:45 (25 minutes)

Summary

Presenter: HAGEN, Gaute (ORNL, USA)
Session Classification: B2 - Nuclear Structure
Summary

Presenter: MATSUSHITA, Masafumi (RIKEN, Japan)

Session Classification: B2 - Nuclear Structure
[NS258] Level Lifetimes in $^{94}$Zr from DSAM Measurements following Inelastic Neutron Scattering

Monday, 3 June 2013 17:25 (15 minutes)

Summary

Presenter: YATES, Steven W. (University of Kentucky, USA)
Session Classification: B2 - Nuclear Structure
[NS176] On the Road to FAIR: First Operation of AGATA in PreSPEC at GSI

Monday, 3 June 2013 17:40 (15 minutes)

Summary

Presenter: PIETRALLA, Norbert (Technische Universität Darmstadt, Germany)
Session Classification: B2 - Nuclear Structure
[NS017] Spectroscopy of neutron rich nuclei using cold neutron induced fission of actinide targets at the ILL: the EXILL campaign

Monday, 3 June 2013 17:55 (15 minutes)

Summary

**Presenter:** DE FRANCE, Gilles (GANIL, France)

**Session Classification:** B2 - Nuclear Structure
[NS227] Search for a halo nucleus in Mg isotope through the measurements of reaction cross sections towards the vicinity of neutron-drip line

Monday, 3 June 2013 18:10 (15 minutes)

Summary

**Presenter:** TAKECHI, Maya (GSI, Germany)

**Session Classification:** B2 - Nuclear Structure
[NS124] (I) Do light nuclei exhibit "collective" motions?

Monday, 3 June 2013 16:45 (25 minutes)

Summary

Presenter: LEIDEMANN, Winfried (Università di Trento, Italy)

Session Classification: C2 - Nuclear Structure
[NS034] Study of Ground-state configuration of neutron-rich Aluminium isotopes through Coulomb Breakup

Monday, 3 June 2013 17:10 (15 minutes)

Summary

Presenter: DATTA PRAMANIK, Ushasi (SINP, Kolkata, India)
Session Classification: C2 - Nuclear Structure
Contribution ID: 49  
Type: not specified

[NS178] The three shapes of superscript 32 Mg

Monday, 3 June 2013 17:25 (15 minutes)

Summary

Presenter: POVES, Alfredo (Universidad Autonoma de Madrid, Spain)
Session Classification: C2 - Nuclear Structure
[NS193] Beta decay to continuum states

Monday, 3 June 2013 17:40 (15 minutes)

Summary

Presenter: RIISAGER, Karsten (Aarhus University, Denmark)
Session Classification: C2 - Nuclear Structure
[NS001] Monte Carlo shell model towards ab initio nuclear structure

Monday, 3 June 2013 17:55 (15 minutes)

Summary

Presenter: ABE, Takashi (University of Tokyo, Japan)
Session Classification: C2 - Nuclear Structure
[NS238] Study of nuclei around Z=28 by large-scale shell model calculations

Monday, 3 June 2013 18:10 (15 minutes)

Summary

Presenter: TSUNODA, Yusuke (University of Tokyo, Japan)
Session Classification: C2 - Nuclear Structure
[NR189] (I) Probing nucleon-nucleon correlations via heavy ion transfer reactions

Monday, 3 June 2013 14:30 (25 minutes)

Summary

Presenter: SZILNER, Suzana (Ruder Boskovic Institute, Zagreb, Croatia)
Session Classification: D1 - Nuclear Reactions
[NR139] Transfer probability measurements in the superfluid $^{116}\text{Sn}+^{60}\text{Ni}$ system

Monday, 3 June 2013 14:55 (15 minutes)

Summary

Presenter: MONTANARI, Daniele (INFN-LNL, Italy)

Session Classification: D1 - Nuclear Reactions
Mass-angle distributions: providing extensive insights into the dynamics and time scales of reactions forming heavy elements

Monday, 3 June 2013 15:10 (15 minutes)

Summary

Presenter: Hinde, David J. (ANU Canberra, Australia)

Session Classification: D1 - Nuclear Reactions
[NR179] Incomplete fusion reactions at low energies in $^{13}\text{C}+^{169}\text{Tm}$ system

Monday, 3 June 2013 15:25 (15 minutes)

Summary

Presenter: SHARMA, Vijay R. (Aligarh Muslim University, India)

Session Classification: D1 - Nuclear Reactions
[NR121] Sub-barrier Fusion and Neutron Transfer with Positive Q-value

Monday, 3 June 2013 15:40 (15 minutes)

Summary

**Presenter:** LIN, Cheng-Jian (CIAE, Beijing, China)

**Session Classification:** D1 - Nuclear Reactions
[NR183] Oscillations in the fusion excitation function of $^{28}\text{Si} + ^{28}\text{Si}$ above the barrier

Monday, 3 June 2013 15:55 (15 minutes)

Summary

**Presenter:** STEFANINI, Alberto M. (INFN-LNL, Italy)

**Session Classification:** D1 - Nuclear Reactions
[NR206] (I) Recent results on intermediate energy two - proton removal reactions

Monday, 3 June 2013 16:45 (25 minutes)

Summary

Presenter:  WIMMER, Katrin (Central Michigan University, USA)

Session Classification:  D2 - Nuclear Reactions
[NR204] The Structure of the Proton-Dripline Nucleus $^{17}$Ne Studied in Knockout Reactions at Relativistic Beam Energies

Monday, 3 June 2013 17:10 (15 minutes)

Summary

**Presenter:** WAMERS, Felix (Technische Universität Darmstadt, Germany)

**Session Classification:** D2 - Nuclear Reactions
[NR187] Measurements of interaction cross sections for $^{22-35}$Na isotopes

Monday, 3 June 2013 17:25 (15 minutes)

Summary

Presenter: SUZUKI, Shinji (Niigata University, Japan)

Session Classification: D2 - Nuclear Reactions
[NR211] Charge Changing Interactions Probe Point - Proton Radii of Nuclei

Thursday, 6 June 2013 18:10 (15 minutes)

Summary

Presenter: YAMAGUCHI, Takayuki (Saitama University, Japan)

Session Classification: D6 - Nuclear Reactions
[NR053] Exotic structure of $^{15,17}$B probed through charge changing cross section

Monday, 3 June 2013 17:55 (15 minutes)

Summary

**Presenter:** KANUNGO, Rituparna (Saint Mary’s University, Halifax, Canada)

**Session Classification:** D2 - Nuclear Reactions
[NR022] Reaction dynamics and γ spectroscopy of neutron-rich Ne isotopes by heavy-ion reactions

Monday, 3 June 2013 18:10 (15 minutes)

Summary

Presenter: BOTTONI, Simone (Università di Milano and KU Leuven)
Session Classification: D2 - Nuclear Reactions
[NR103] (I) Who plays in the Hoyle band?

Tuesday, 4 June 2013 14:00 (25 minutes)

Summary

Presenter: KOKALOVA, Tzany (University of Birmingham, UK)
Session Classification: D3 - Nuclear Reactions
[NR058] Pre-equilibrium $\alpha$-particle emission as a probe to study $\alpha$-clustering in nuclei

Tuesday, 4 June 2013 14:25 (15 minutes)

Summary

Presenter: FOTINA, Olga V. (Moscow State University, Russia)

Session Classification: D3 - Nuclear Reactions
[NR019] Search for rotational state of Hoyle state in complete kinematic experiment 
\(^{12}\text{C}(\alpha,\alpha)3\alpha\)

Tuesday, 4 June 2013 14:40 (15 minutes)

Summary

**Presenter:**  RANA, Tapan Kumar (VECC, Kolkata, India)

**Session Classification:**  D3 - Nuclear Reactions
[NR182] Nucleon mean-free path in the medium

Tuesday, 4 June 2013 14:55 (15 minutes)

Summary

Presenter: SOMÀ, Vittorio (Technische Universität Darmstadt, Germany)
Session Classification: D3 - Nuclear Reactions
[NR012] Exploring the alpha cluster structure of nuclei using the thick target inverse kinematics technique for multiple alpha decays

*Tuesday, 4 June 2013 15:10 (15 minutes)*

**Summary**

**Presenter:** BARBUI, Marina (Texas A&M University, USA)

**Session Classification:** D3 - Nuclear Reactions
[NR074] (I) In-Medium Effects and Low Density Nuclear Matter

Tuesday, 4 June 2013 16:15 (25 minutes)

Summary

Presenter: HAGEL, Kris (Texas A&M University, USA)
Session Classification: C4 - Nuclear Reactions
[NR123] Nuclear stopping for heavy ions induced reactions in the Fermi energy range: from 1-body to 2-body dissipation

Tuesday, 4 June 2013 16:40 (15 minutes)

Summary

Presenter:  LOPEZ, Olivier (Université de Caen, France)
Session Classification:  C4 - Nuclear Reactions
[NR043] The Liège Intranuclear Cascade model. Towards a unified description of nuclear reactions induced by nucleons and light ions from a few MeV to a few GeV

Tuesday, 4 June 2013 16:55 (15 minutes)

Summary

Presenter: CUGNON, Joseph (University of Liège, Belgium)

Session Classification: C4 - Nuclear Reactions
[NR201] Dynamics of the collinear ternary fission decay

Tuesday, 4 June 2013 17:10 (15 minutes)

Summary

Presenter: VON OERTZEN, Wolfram (Freie Universität Berlin, Germany)
Session Classification: C4 - Nuclear Reactions
Summary

Presenter: WOLTER, Hermann H. (University of Munich, Germany)
Session Classification: C4 - Nuclear Reactions
[NR163] Ab initio many-body calculations of d-nucleus collision and (d,p) transfer reaction

Tuesday, 4 June 2013 17:40 (15 minutes)

Summary

Presenter: RAIMONDI, Francesco (TRIUMF, Canada)
Session Classification: C4 - Nuclear Reactions
[NR078] (I) Results from single-neutron adding reactions on light neutron-rich nuclei with HELIOS

Tuesday, 4 June 2013 16:15 (25 minutes)

Summary

Presenter:  HOFFMAN, Calem R. (ANL, USA)
Session Classification:  D4 - Nuclear Reactions
Probing the semi-magicity of $^{68}\text{Ni}$ via the $^3\text{H}(^{66}\text{Ni},^{68}\text{Ni})^1\text{H}$ and $^2\text{H}(^{66}\text{Ni},^{67}\text{Ni})^1\text{H}$ transfer reactions in inverse kinematics

Tuesday, 4 June 2013 16:40 (15 minutes)

Summary

Presenter: ELSEVIERS, Jytte (KU Leuven, Belgium)
Session Classification: D4 - Nuclear Reactions
[NR193] Non-locality in the adiabatic model of (d,p) reactions

Tuesday, 4 June 2013 16:55 (15 minutes)

Summary

Presenter: TIMOFEYUK, Natalia K. (University of Surrey, UK)

Session Classification: D4 - Nuclear Reactions
First EXL experiment with radioactive beam: Proton scattering on $^{56}$Ni

Tuesday, 4 June 2013 17:10 (15 minutes)

Summary

Presenter: VON SCHMID, Mirko (Technische Universität Darmstadt, Germany)

Session Classification: D4 - Nuclear Reactions
[NR031] Light exotic nuclei transfer reactions with CHIMERA detector at LNS

Tuesday, 4 June 2013 17:25 (15 minutes)

Summary

Presenter: CARDELLA, Giuseppe (INFN-Catania, Italy)

Session Classification: D4 - Nuclear Reactions

Tuesday, 4 June 2013 17:40 (15 minutes)

Summary

Presenter: SEKIGUCHI, Kimiko (Tohoku University, Sendai, Japan)
Session Classification: D4 - Nuclear Reactions
[NR162] (I) Reactions with exotic nuclei and active targets

Thursday, 6 June 2013 14:30 (25 minutes)

Summary

Presenter: RAABE, Riccardo (KU Leuven, Belgium)
Session Classification: C5 - Nuclear Reactions
[NR161] Study of reactions induced by $^{6}\text{He}$

Thursday, 6 June 2013 14:55 (15 minutes)

Summary

Presenter: Pires, Kelly C. (Universidade Tecnológica Federal do Paraná, Brasil)

Session Classification: C5 - Nuclear Reactions
[NR033] Evidence of correlated 2n transfer in the $^{12}$C($^{18}$O,$^{16}$O)$^{14}$C reaction

**Thursday, 6 June 2013 15:10 (15 minutes)**

**Summary**

**Presenter:** CAVALLARO, Manuela (INFN-LNS, Italy)

**Session Classification:** C5 - Nuclear Reactions
[NR046] Elastic and break-up of the 1n-halo \(^{11}\)Be nucleus.

*Thursday, 6 June 2013 15:25 (15 minutes)*

**Summary**

**Presenter:** DI PIETRO, Alessia (INFN-LNS, Italy)

**Session Classification:** C5 - Nuclear Reactions
[NR191] Scattering of light halo nuclei on heavy target at energies around the Coulomb barrier

Thursday, 6 June 2013 15:40 (15 minutes)

Summary

Presenter: TENGBLAD, Olof (CSIC, Madrid, Spain)
Session Classification: C5 - Nuclear Reactions
[NR133] Transfer vs. Breakup in the interaction of the $^{7}$Be Radioactive Ion Beam on a $^{58}$Ni target at Coulomb barrier energies

Thursday, 6 June 2013 15:55 (15 minutes)

Summary

Presenter: MAZZOCCO, Marco (Università di Padova, Italy)
Session Classification: C5 - Nuclear Reactions
[NR057] (I) Ab initio approach to the structure and reactions of light nuclei

Thursday, 6 June 2013 14:30 (25 minutes)

Summary

Presenter: FORSSÉN, Christian (Chalmers University of Technology, Sweden)

Session Classification: D5 - Nuclear Reactions
[NR207] Three-nucleon reactions with chiral dynamics

Thursday, 6 June 2013 14:55 (15 minutes)

Summary

**Presenter:** WITALA, Henryk (Jagiellonian University, Kraków, Poland)

**Session Classification:** D5 - Nuclear Reactions
[NR008] Study of pairing in light nuclei and clusterization through nuclear break - up.

Thursday, 6 June 2013 15:10 (15 minutes)

Summary

Presenter: ASSIÉ, Marlène (IPN Orsay, France)

Session Classification: D5 - Nuclear Reactions
[NR146] Quasi-free proton and neutron knock-out from $^{20}$O

Thursday, 6 June 2013 15:25 (15 minutes)

Summary

Presenter: NAJAFI, Mohammad Ali (KVI Groningen, The Netherlands)

Session Classification: D5 - Nuclear Reactions
[NR072] Advances and prospects in the theoretical studies of few-body decays

Thursday, 6 June 2013 15:40 (15 minutes)

Summary

Presenter: GRIGORENKO, Leonid (JINR, Dubna, Russia)

Session Classification: D5 - Nuclear Reactions
[NR210] Evolution of Single-Particle Energies for N=9 Nuclei at Large N/Z

Thursday, 6 June 2013 15:55 (15 minutes)

Summary

Presenter: WUOSMAA, Alan (Western Michigan University, USA)

Session Classification: D5 - Nuclear Reactions
[NS211] (I) Experimental results on the Pygmy Dipole Resonance

Tuesday, 4 June 2013 14:00 (25 minutes)

Summary

Presenter: SAVRAN, Deniz (GSI, Germany)

Session Classification: A3 - Nuclear Structure
[NS237] New Modes of Nuclear Excitations for Astrophysics

Tuesday, 4 June 2013 14:25 (15 minutes)

Summary

Presenter: TSONEVA, Nadia (University of Giessen, Germany)

Session Classification: A3 - Nuclear Structure
[NS062] Theoretical studies of isovector soft dipole mode

Tuesday, 4 June 2013 14:40 (15 minutes)

Summary

Presenter:  EGOROVA, Irina (JINR, Dubna, Russia)

Session Classification:  A3 - Nuclear Structure
[NS200] Low-lying dipole strength in exotic Ni isotopes

Tuesday, 4 June 2013 14:55 (15 minutes)

Summary

Presenter: ROSSI, Dominic (GSI, Germany)
Session Classification: A3 - Nuclear Structure
[NS037] Giant Dipole Resonance decay of hot rotating $^{88}$Mo

Tuesday, 4 June 2013 15:10 (15 minutes)

Summary

Presenter: CIEMALA, Michal (IFJ PAN, Kraków, Poland)

Session Classification: A3 - Nuclear Structure
[NS011] The No Core Gamow Shell Model for ab-initio Nuclear Structure Calculations

Tuesday, 4 June 2013 15:25 (15 minutes)

Summary

**Presenter:** BARRETT, Bruce R. (University of Arizona, USA)

**Session Classification:** A3 - Nuclear Structure
[NS177] (I) Isomers in heavy nuclei: structure and projectile fragmentation studies

Tuesday, 4 June 2013 14:00 (25 minutes)

Summary

Presenter:  PODOLYÁK, Zsolt (University of Surrey, UK)
Session Classification:  B3 - Nuclear Structure
[NS059] Deep inelastic reactions and isomers in neutron-rich nuclei across the perimeter of the A = 180-190 deformed region

Tuesday, 4 June 2013 14:25 (15 minutes)

Summary

Presenter: DRACOULIS, George D. (ANU, Canberra, Australia)
Session Classification: B3 - Nuclear Structure
[NS074] Isomer and beta decay spectroscopy in the $^{132}$Sn region with EURICA

Tuesday, 4 June 2013 14:40 (15 minutes)

Summary

Presenter: JUNGCLAUS, Andrea (CSIC-Madrid, Spain)

Session Classification: B3 - Nuclear Structure
Summary

Presenter:  KUBO, Toshiyuki (RIKEN, Japan)
Session Classification:  B3 - Nuclear Structure
[NS224] Investigation of high K states in $^{252}$No and the new focal plane detector for S3

Tuesday, 4 June 2013 15:10 (15 minutes)

Summary

Presenter:  SULIGNANO, Barbara (CEA Saclay, France)
Session Classification:  B3 - Nuclear Structure
[NS014] Investigation of $0^+\rightarrow\langle0^+\rangle$ states in mercury isotopes after two-neutron pickup

*Monday, 3 June 2013 14:55 (15 minutes)*

**Summary**

**Presenters:** BERNARDS, Christian (Yale University, USA); WERNER, Volker (Yale University, USA)

**Session Classification:** C1 - Nuclear Structure
[NS228] (I) Neutron Skin Thickness of $^{208}\text{Pb}$ and Constraints on Symmetry Energy

*Tuesday, 4 June 2013 14:00 (25 minutes)*

Summary

**Presenter:** TAMII, Atsushi (Osaka University, Japan)

**Session Classification:** C3 - Nuclear Structure
Contribution ID: 107

Type: not specified

[NS111] Neutron skin thickness in the Skyrme EDF models

Tuesday, 4 June 2013 14:25 (15 minutes)

Summary

Presenter: KORTELAINEN, Markus (University of Jyväskylä, Finland)

Session Classification: C3 - Nuclear Structure
[NS093] Complete Spectroscopy of Negative Parity States in $^{208}$Pb with $E_{X} \leq 6.5$ MeV

Tuesday, 4 June 2013 14:40 (15 minutes)

Summary

**Presenter:** HEUSLER, Andreas (MPIK, Heidelberg, Germany)

**Session Classification:** C3 - Nuclear Structure
[NS046] Complete E1 and spin-M1 response in nuclei from polarized proton scattering at zero degree

Tuesday, 4 June 2013 14:55 (15 minutes)

Summary

Presenter: VON NEUMANN-COSEL, Peter (Technische Universität Darmstadt, Germany)

Session Classification: C3 - Nuclear Structure
[NS197] The Nuclear Symmetry Energy: constraints from Giant Resonances and Parity Violating Electron Scattering

Tuesday, 4 June 2013 15:10 (15 minutes)

Summary

Presenter: ROCA-MAZA, Xavier (Università di Milano, Italy)
Session Classification: C3 - Nuclear Structure
[NS009] Effects of the Skyrme Tensor Force on the Spin-Isospin Excitations

Tuesday, 4 June 2013 15:25 (15 minutes)

Summary

Presenter: BAI, Chun-Lin (Sichuan University, China)
Session Classification: C3 - Nuclear Structure
[NS112] (I) Mass measurements at ISOLDE

Thursday, 6 June 2013 16:45 (25 minutes)

Summary

Presenter: KOWALSKA, Magda (CERN, Switzerland)
Session Classification: A6 - Nuclear Structure
[NS172] Microscopic mean field approximation and beyond with the Gogny force

Tuesday, 4 June 2013 16:40 (15 minutes)

Summary

Presenter: PERU, Sophie (CEA Arpajon, France)

Session Classification: A4 - Nuclear Structure
[NS218] High Resolution $^{148}$Nd($^3$He,$n\gamma$) Two Proton Stripping Reaction and the structure of the $0^{+}$ State in $^{150}$Sm

Tuesday, 4 June 2013 16:55 (15 minutes)

Summary

Presenter: SHARPEY-SCHAFER, John F. (Western Cape University, South Africa)
Session Classification: A4 - Nuclear Structure
[NS142] Nuclear pairing from realistic forces: singlet channels and higher partial waves

*Tuesday, 4 June 2013 17:10 (15 minutes)*

**Summary**

**Presenter:** FINELLI, Paolo (Università di Bologna, Italy)

**Session Classification:** A4 - Nuclear Structure
[NS016] Lifetime measurement and decay spectroscopy of $^{132}$I

Tuesday, 4 June 2013 17:25 (15 minutes)

Summary

Presenter: BHATTACHARYYA, Sarmishtha (VECC, Kolkata, India)

Session Classification: A4 - Nuclear Structure
[NS264] Nuclear magnetic and antimagnetic rotation in covariant density functional theory

Tuesday, 4 June 2013 17:40 (15 minutes)

Summary

Presenter: ZHAO, Peng-Wei (Peking University, Beijing, China)
Session Classification: A4 - Nuclear Structure
[NS167] (I) Probing the neutron skin thickness in collective modes of excitation

Tuesday, 4 June 2013 16:15 (25 minutes)

Summary

Presenter: PAAR, Nils (Zagreb University, Croatia)
Session Classification: B4 - Nuclear Structure
[NS191] Single-Particle Strength in the Odd, Neutron-Rich Ni Isotopes

Tuesday, 4 June 2013 16:40 (15 minutes)

Summary

Presenter: RECCHIA, Francesco (NSCL, MSU, USA)
Session Classification: B4 - Nuclear Structure
[NS129] Nuclear charge-exchange excitations in localized covariant density functional theory

Tuesday, 4 June 2013 16:55 (15 minutes)

Summary

Presenter: LIANG, Hao-Zhao (RIKEN, Japan)

Session Classification: B4 - Nuclear Structure
[NS195] Lifetime studies of $^{133}\text{Cs}$

Summary

**Presenter:** ROBERTS, Oliver J. (Brighton University, UK)
[NS073] The evolving structure of the Cd isotopes

Tuesday, 4 June 2013 17:10 (15 minutes)

Summary

Presenter: GARRETT, Paul (Guelph University, Canada)

Session Classification: B4 - Nuclear Structure
[NS090] (I) Exploring the stability of super heavy elements

Thursday, 6 June 2013 14:30 (25 minutes)

Summary

**Presenter:** LOPEZ-MARTENS, Waely (CSNSM Orsay, France)

**Session Classification:** A5 - Nuclear Structure
[NS005] Impact of nuclear structure on production and identification of superheavy nuclei

Thursday, 6 June 2013 14:55 (15 minutes)

Summary

Presenter: ANTONENKO, Nikolai (JINR Dubna, Russia)
Session Classification: A5 - Nuclear Structure
[NS092] Nuclear Structure of the Heaviest Elements Investigated at SHIP - GSI

Thursday, 6 June 2013 15:10 (15 minutes)

Summary

Presenter: HESSBERGER, Fritz P. (GSI, Germany)
Session Classification: A5 - Nuclear Structure
[NS158] Study of the properties of the superheavy nucleus $Z = 117$ produced in the $^{249}$Bk + $^{48}$Ca reaction

Thursday, 6 June 2013 15:25 (15 minutes)

Summary

Presenter: VOINOV, Alexey (JINR Dubna, Russia)
Session Classification: A5 - Nuclear Structure
[NS060] Superheavy Elements studied with TASCA at GSI

Thursday, 6 June 2013 15:40 (15 minutes)

Summary

Presenter: DÜLLMANN, Christof E. (GSI, Germany)
Session Classification: A5 - Nuclear Structure
[NS066] Spectroscopy of Element 115 Decay Chains

Thursday, 6 June 2013 15:55 (15 minutes)

Summary

Presenter: FORSBERG, Ulrika (Lund University, Sweden)
Session Classification: A5 - Nuclear Structure
[NS114] (I) Coulomb excitation of exotic nuclei at REX-ISOLDE with MINIBALL

Monday, 3 June 2013 16:45 (25 minutes)

Summary

Presenter: KRÖLL, Thorsten (Technische Universität Darmstadt, Germany)

Session Classification: A2 - Nuclear Structure
[NS165] Neutron single-particle energies near $^{78}\text{Ni}$: low-lying states in $^{79}\text{Zn}$ studied via single-nucleon transfer

Thursday, 6 June 2013 14:55 (15 minutes)

Summary

Presenter: ORLANDI, Riccardo (CSIC-Madrid, Spain)
Session Classification: B5 - Nuclear Structure
[NS223] The Continuum time-dependent Hartree-Fock method for giant resonances

Thursday, 6 June 2013 15:10 (15 minutes)

Summary

Presenter: STEVENSON, Paul (University of Surrey, UK)
Session Classification: B5 - Nuclear Structure
Summary

Presenter:  ONG, Hooi Jin (Osaka University, Japan)
Session Classification:  B5 - Nuclear Structure
[NS135] Probing core polarization around $^{78}\text{Ni}$: intermediate energy Coulomb excitation of $^{74}\text{Ni}$

*Thursday, 6 June 2013 15:40 (15 minutes)*

Summary

**Presenter:** MARCHI, Tommaso (LNL-INFN, Italy)

**Session Classification:** B5 - Nuclear Structure
[NS033] Isospin mixing at finite temperature in $^{80}$Zr

Thursday, 6 June 2013 15:55 (15 minutes)

Summary

Presenter: CERUTI, Simone (Università di Milano, Italy)

Session Classification: B5 - Nuclear Structure
[NS148] (I) Laser spectroscopy - optical probes for radioactive nuclei

Tuesday, 4 June 2013 16:15 (25 minutes)

Summary

Presenter: MOORE, Iain D. (University of Jyväskylä, Finland)

Session Classification: A4 - Nuclear Structure
[NS133] Survey and Evaluation of Isobaric Analogue States

Monday, 3 June 2013 15:25 (15 minutes)

Summary

Presenter: MACCORMICK, Marion (IPN Orsay, France)

Session Classification: B1 - Nuclear Structure
[NS012] Shape coexistence and charge radii in thallium, gold and astatine isotopes studied by in-source laser spectroscopy at RILIS-ISOLDE

Thursday, 6 June 2013 17:25 (15 minutes)

Summary

Presenter: BARZAKH, Anatoly (PNPI Gatchina, Russia)
Session Classification: A6 - Nuclear Structure
[NS243] Laser-assisted decay spectroscopy of neutron-deficient Tl isotopes at CERN ISOLDE

Thursday, 6 June 2013 17:40 (15 minutes)

Summary

Presenter:  VAN BEVEREN, Celine (KU Leuven, Belgium)
Session Classification:  A6 - Nuclear Structure
[NS038] Shape coexistence in neutron-rich Sr and Kr isotopes: Prompt spectroscopy after Coulomb excitation at REX-ISOLDE, CERN and after neutron induced fission of $^{235}$U at ILL

Thursday, 6 June 2013 17:55 (15 minutes)

Summary

**Presenter:** CLÉMENT, Emmanuel (GANIL, France)

**Session Classification:** A6 - Nuclear Structure
[NS249] (I) Mass measurements of short-lived nuclei at HIRFL-CSR

Thursday, 6 June 2013 16:45 (25 minutes)

Summary

Presenter: WANG, Meng (IMP Lanzhou, China)
Session Classification: B6 - Nuclear Structure

Thursday, 6 June 2013 17:10 (15 minutes)

Summary

Presenters: AUDI, Georges (CSNSM Orsay, France); WANG, Meng (IMP Lanzhou, China)

Session Classification: B6 - Nuclear Structure
[NS192] The onset of triaxiality in neutron-rich rhenium isotopes

*Thursday, 6 June 2013 17:25 (15 minutes)*

Summary

**Presenter:** REED, Matthew (ANU Canberra, Australia)

**Session Classification:** B6 - Nuclear Structure
[NS010] Three-Nucleon Forces in Exotic Open-Shell Isotopes

Thursday, 6 June 2013 17:40 (15 minutes)

Summary

Presenters: BARBIERI, Carlo (University of Surrey, UK); SOMÀ, Vittorio (Technische Universität Darmstadt)

Session Classification: B6 - Nuclear Structure
Contribuition ID: 144

[NS096] Tensor correlations probed by electroweak responses

Thursday, 6 June 2013 17:55 (15 minutes)

Summary

Presenter: HORIUCHI, Wataru (Hokkaido University, Japan)
Session Classification: B6 - Nuclear Structure
[NR124] (I) Probing the EoS of Neutron-rich Matter

Thursday, 6 June 2013 16:45 (25 minutes)

Summary

Presenter: LYNCH, William (NSCL-MSU, USA)
Session Classification: C6 - Nuclear Reactions
[NR066] Probing the symmetry energy at low density using observables from neck fragmentation mechanism

Thursday, 6 June 2013 17:10 (15 minutes)

Summary

Presenter: DE FILIPPO, Enrico (INFN-Catania, Italy)
Session Classification: C6 - Nuclear Reactions
[NR086] Fission dynamics of superheavy compound nuclei

Thursday, 6 June 2013 17:25 (15 minutes)

Summary

Presenter: IWATA, Yoritaka (CNS, University of Tokyo, Japan)

Session Classification: C6 - Nuclear Reactions
[NR213] N/Z Dependence of the Nuclear Caloric Curve

Thursday, 6 June 2013 17:40 (15 minutes)

Summary

Presenter: YENNELLO, Sherry (Texas A&M University, USA)
Session Classification: C6 - Nuclear Reactions
Summary

Presenter: BOUGAULT, Rémi (LPC Université de Caen, France)
[NR170] The ASY-EOS experiment at GSI: investigating symmetry energy at supra-saturation densities

Thursday, 6 June 2013 18:10 (15 minutes)

Summary

Presenter: RUSSOTTO, Paolo (INFN-Catania, Italy)
Session Classification: C6 - Nuclear Reactions
[NR011] (I) Collective features of nuclear dynamics with exotic nuclei within microscopic transport models

Thursday, 6 June 2013 16:45 (25 minutes)

Summary

Presenter: BARAN, Virgil (University of Bucharest, Romania)
Session Classification: D6 - Nuclear Reactions
[NR102] Inclusive breakup measurement of $N = 20 - 28$ nuclei near neutron drip-line

*Monday, 3 June 2013 17:40 (15 minutes)*

**Summary**

**Presenter:** KOBAYASHI, Nobuyuki (Tokyo Institute of Technology, Japan)

**Session Classification:** D2 - Nuclear Reactions
[NR081] Fusion studies of low-intensity radioactive beams using an active-target time projection chamber

Thursday, 6 June 2013 17:25 (15 minutes)

Summary

Presenter: HOWARD, Alan M. (University of Notre Dame, USA)
Session Classification: D6 - Nuclear Reactions
[NR114] Decay competition for IMF produced in the collisions $^{78}$Kr + $^{40}$Ca and $^{86}$Kr + $^{48}$Ca at 10 A.MeV

*Thursday, 6 June 2013 17:40 (15 minutes)*

Summary

**Presenter:** LA COMMARA, Marco (Università Federico II, Napoli, Italy)

**Session Classification:** D6 - Nuclear Reactions
[NR148] Study of heavy-ion induced fission for heavy-element synthesis

Thursday, 6 June 2013 17:55 (15 minutes)

Summary

Presenter: NISHIO, Katsuhisa (JAEA Tokai, Japan)

Session Classification: D6 - Nuclear Reactions
[NR158] Investigation of the Dynamical Dipole Mode in the $^{40,48}\text{Ca}$+ $^{152,144}\text{Sm}$ fusion- evaporation and fission reactions at 11 MeV/nucleon

*Thursday, 6 June 2013 17:10 (15 minutes)*

**Summary**

**Presenter:** PARASCANDOLO, Concetta (Università di Padova, Italy)

**Session Classification:** D6 - Nuclear Reactions
[NF102] (I) Extreme Light Infrastructure - Nuclear Physics (ELI - NP) European Research Center

Monday, 3 June 2013 14:30 (25 minutes)

Summary

Presenter: ZAMFIR, Victor (IFIN- HH, Bucharest, Romania)
Session Classification: I1 - New Facilities and Instrumentation
[NF079] (I) Status of the SPIRAL2 facility

Monday, 3 June 2013 14:55 (25 minutes)

Summary

Presenter: SAVAJOLS, Hervé (GANIL, France)
Session Classification: I1 - New Facilities and Instrumentation
[NF092] (I) ALTO, the electron-driven ISOL facility in Orsay: status and perspectives

Monday, 3 June 2013 15:20 (25 minutes)

Summary

Presenter: VERNEY, David (IPN Orsay, France)

Session Classification: I1 - New Facilities and Instrumentation
[NF044] Facility for Heavy Ion Collision Experiment at RAON

Monday, 3 June 2013 15:45 (15 minutes)

Summary

Presenter: KIM, Young Jin (Institute for Basic Science, Republic of Korea)

Session Classification: I1 - New Facilities and Instrumentation
[NF096] Polarization of a stored beam by spin-filtering

Monday, 3 June 2013 16:00 (15 minutes)

Summary

Presenter: WEIDEMANN, Christian (Università di Ferrara, Italy)
Session Classification: I1 - New Facilities and Instrumentation
[NF090] (I) The Facility for Rare Isotope Beams

Monday, 3 June 2013 16:45 (25 minutes)

Summary

Presenters: BOLLEN, Georg (NSCL-MSU, USA); THOENNESSEN, Michael (NSCL-MSU, USA)

Session Classification: I2 - New Facilities and Instrumentation
[NF061] (I) ARIEL: TRIUMF’s Advanced Rare Isotope Laboratory

Monday, 3 June 2013 17:10 (25 minutes)

Summary

Presenter: MERMINGA, Lia (TRIUMF, Canada)
Session Classification: I2 - New Facilities and Instrumentation

Monday, 3 June 2013 17:35 (25 minutes)

Summary

Presenter: CARDMAN, Lawrence S. (JLAB, USA)
Session Classification: I2 - New Facilities and Instrumentation
[NF091] A new real-time detection system for heavy element research

Monday, 3 June 2013 18:00 (15 minutes)

Summary

Presenter: TSYGANOV, Yuri (JINR Dubna, Russia)
Session Classification: I2 - New Facilities and Instrumentation
[NF015] Tracking with Straw Tubes in the PANDA experiment

Monday, 3 June 2013 18:15 (15 minutes)

Summary

Presenter:  PYSZ, Krzysztof (IFJ PAN, Krakow, Poland)
Session Classification:  I2 - New Facilities and Instrumentation
[NF080] (I) Studies of neutron-rich isotopes at the CARIBU facility

Tuesday, 4 June 2013 14:00 (25 minutes)

Summary

Presenter:  SAVARD, Guy (ANL, USA)
Session Classification:  I3 - New Facilities and Instrumentation
[NF098] (I) The Status of RIB Facilities at IMP and Future - Project HIAF

Tuesday, 4 June 2013 14:25 (25 minutes)

Summary

**Presenter:** XIAO, Guo Quing (IMP, Lanzhou, China)

**Session Classification:** I3 - New Facilities and Instrumentation
[NF048] (I) Perspectives and upgrade of ALICE at the LHC

Tuesday, 4 June 2013 14:50 (25 minutes)

Summary

Presenter:  KUHN, Christian (IPHC Université de Strasbourg, France)
Session Classification:  I3 - New Facilities and Instrumentation
[NF050] AFTER @ LHC: A Fixed-Target Experiment at the LHC

Tuesday, 4 June 2013 15:15 (15 minutes)

Summary

Presenter: LANSBERG, Jean-Philippe (IPN Orsay, France)

Session Classification: I3 - New Facilities and Instrumentation
[HD049] Small-x Physics in eA Collisions at the LHeC: Understanding the Initial State of Ultra-Relativistic Heavy Ion Collisions

*Tuesday, 4 June 2013 15:30 (15 minutes)*

**Summary**

**Presenter:** ARMESTO, Néstor (Universidade de Santiago de Compostela, Spain)

**Session Classification:** I3 - New Facilities and Instrumentation
[NF014] (I) The european FAZIA initiative: a high performance digital telescope array for heavy ion studies

Thursday, 6 June 2013 14:30 (25 minutes)

Summary

Presenter: CASINI, Giovanni (INFN-Firenze, Italy)
Session Classification: 15 - New Facilities and Instrumentation
[NF053] (I) GRETINA results from physics campaign at NSCL

Thursday, 6 June 2013 14:55 (25 minutes)

Summary

Presenter:  LEE, I-Yang (LBNL, USA)
Session Classification:  I5 - New Facilities and Instrumentation
Summary

**Presenter:** MENGONI, Daniele (Università di Padova, Italy)

**Session Classification:** 15 - New Facilities and Instrumentation
[NF078] MARA recoil-mass separator at JYFL – status, instrumentation and performance modelling

Thursday, 6 June 2013 15:45 (15 minutes)

Summary

Presenter: SARÉN, Jan (University of Jyväskylä, Finland)
Session Classification: I5 - New Facilities and Instrumentation
[NF017] Characterization of Large Volume 3.5” x 8” LaBr₃:Ce Detectors for the HECTOR⁺ array

Thursday, 6 June 2013 16:00 (15 minutes)

Summary

**Presenter:** CAMERA, Franco (Università di Milano, Italy)

**Session Classification:** I5 - New Facilities and Instrumentation
Summary

Presenter:  BORGE, Maria (CERN, Switzerland)
Session Classification:  I6 - New Facilities and Instrumentation
[NF073] (I) The SPES project at the INFN- Laboratori Nazionali di Legnaro

Thursday, 6 June 2013 17:10 (25 minutes)

Summary

Presenter: PRETE, Gianfranco (INFN-LNL, Italy)

Session Classification: I6 - New Facilities and Instrumentation
Summary

Presenter:  ROSNER, Guenther (FAIR, Darmstadt, Germany)
Session Classification:  I6 - New Facilities and Instrumentation
[NF028] Laser Spectroscopy of RI atoms stopped in Superfluid Helium

*Thursday, 6 June 2013 18:00 (15 minutes)*

**Summary**

**Presenter:** FURUKAWA, Takeshi (Tokyo Metropolitan University, Japan)

**Session Classification:** I6 - New Facilities and Instrumentation
[NF089] Development of a Compton Camera for Online Range Monitoring of Laser-Accelerated Proton Beams via Prompt-Gamma Detection

Thursday, 6 June 2013 18:15 (15 minutes)

Summary

Presenter: THIROLF, Peter (LMU München, Germany)
Session Classification: I6 - New Facilities and Instrumentation
[AP040] (I) Fukushima Nuclear Power Plant Accident And Nuclear Physicists

Tuesday, 4 June 2013 16:15 (25 minutes)

Summary

Presenter: OTSUKA, Takaharu (CNS University of Tokyo, Japan)
Session Classification: H4 - Nuclear Physics Based Applications
[AP036] (I) Applications of Atom Trap Trace Analysis in the Earth Sciences

Tuesday, 4 June 2013 16:40 (25 minutes)

Summary

Presenter: MUELLER, Peter (ANL, USA)
Session Classification: H4 - Nuclear Physics Based Applications
[AP004] (I) Proton Computed Tomography system: recent results and upgrade status

Tuesday, 4 June 2013 17:05 (25 minutes)

Summary

Presenter: BRUZZI, Mara (Università di Firenze, Italy)

Session Classification: H4 - Nuclear Physics Based Applications
[AP052] Nuclear techniques for studying soft matter at ISOLDE/CERN

Tuesday, 4 June 2013 17:30 (15 minutes)

Summary

 Presenter: STACHURA, Monika Kinga (CERN, Switzerland)
 Session Classification: H4 - Nuclear Physics Based Applications
[AP038] Nuclear - related techniques at LABEC for the analysis of atmospheric aerosols

Tuesday, 4 June 2013 17:45 (15 minutes)

Summary

Presenter:  NAVA, Silvia (Università di Firenze, Italy)

Session Classification:  H4 - Nuclear Physics Based Applications
[AP044] (I) Nuclear-physics applications of MYRRHA

Thursday, 6 June 2013 14:30 (25 minutes)

Summary

Presenter: POPESCU, Lucia (SCK-CEN, Belgium)
Session Classification: H5 - Nuclear Physics Based Applications
[AP029] (I) New isotopes for medical applications

Thursday, 6 June 2013 14:55 (25 minutes)

Summary

Presenter: KOSTER, Ulli (ILL Grenoble, France)
Session Classification: H5 - Nuclear Physics Based Applications
[AP031] (I) Measurement of $^{136}$Ce, $^{156}$Dy and $^{168}$Yb Thermal Neutron Capture Cross Sections

Thursday, 6 June 2013 15:20 (25 minutes)

Summary

**Presenter:** LEE, Jeong-Yeon (Sejong University, Seoul, Korea)

**Session Classification:** H5 - Nuclear Physics Based Applications
[AP026] A Prototype Scintillating - Fibre Tracker for the Cosmic - Ray Muon Tomography of Legacy Nuclear Waste Containers

Thursday, 6 June 2013 15:45 (15 minutes)

Summary

Presenter: KAISER, Ralf (University of Glasgow, UK)
Session Classification: H5 - Nuclear Physics Based Applications
[AP037] $^{99}$Mo production via $^{100}$Mo (n,2n)$^{99}$Mo using accelerator neutrons

*Thursday, 6 June 2013 16:00 (15 minutes)*

**Summary**

**Presenter:** NAGAI, Yasuki (JAEA Tokai, Japan)

**Session Classification:** H5 - Nuclear Physics Based Applications
Contribution ID: 192

[AP060] (I) Bio-Medical and Plant Biology Imaging Tools Derived from Nuclear Physics Detector Development

Thursday, 6 June 2013 16:45 (25 minutes)

Summary

**Presenter:** WEISENBERGER, Andrew (JLAB, USA)

**Session Classification:** H6 - Nuclear Physics Based Applications
[AP035] (I) Nuclear microprobes in biomedicine and environment: technical developments and applications

Thursday, 6 June 2013 17:10 (25 minutes)

Summary

**Presenter:** MORETTO, Philippe (CENBG, Université Bordeaux 1, France)

**Session Classification:** H6 - Nuclear Physics Based Applications
[AP042] (I) Nuclear fragmentation measurements for hadrontherapy

Thursday, 6 June 2013 17:35 (25 minutes)

Summary

Presenter: PATERA, Vincenzo (Università di Roma "La Sapienza", Italy)

Session Classification: H6 - Nuclear Physics Based Applications
[AP047] Simulation toolkit with CMOS detector in the framework of hadrontherapy

Thursday, 6 June 2013 18:00 (15 minutes)

Summary

Presenter: RESCIGNO, Regina (Université de Strasbourg, France)

Session Classification: H6 - Nuclear Physics Based Applications
[AP010] Fragmentation cross sections at intermediate energies for Hadrontherapy and Space radiation protection

Thursday, 6 June 2013 18:15 (15 minutes)

Summary

**Presenter:** DE NAPOLI, Marzio (INFN-Catania, Italy)

**Session Classification:** H6 - Nuclear Physics Based Applications
[NN016] (I) Search for neutrinoless double beta decay in $^{124}\text{Sn}$

Tuesday, 4 June 2013 16:15 (25 minutes)

Summary

Presenter: NANAL, Vandana (TIFR Mumbai, India)
Session Classification: I4 - Neutrinos and Nuclei
[NN001] (I) Status and Results from the EXO Collaboration

Tuesday, 4 June 2013 16:40 (25 minutes)

Summary

Presenter: ALBERT, Joshua (Indiana University, Bloomington, USA)
Session Classification: I4 - Neutrinos and Nuclei
[NN003] The MINERνA Neutrino Experiment at Fermilab

Tuesday, 4 June 2013 17:05 (15 minutes)

Summary

Presenter: BRAVAR, Alessandro (Université de Genève, Switzerland)

Session Classification: I4 - Neutrinos and Nuclei
[NN020] CANDLES - Search for neutrino-less double beta decay of $^{48}\text{Ca}$

*Tuesday, 4 June 2013 17:20 (15 minutes)*

**Summary**

**Presenter:** UMEHARA, Sahori (Osaka University, Japan)

**Session Classification:** I4 - Neutrinos and Nuclei
[NN018] Properties of neutrinoless double beta decay nuclear matrix elements studied along isotopic chains

Tuesday, 4 June 2013 17:35 (15 minutes)

Summary

Presenter:  RODRIGUEZ, Tomas (Technische Universität Darmstadt, Germany)
Session Classification:  I4 - Neutrinos and Nuclei
[NN009] (I) Measurements of 2ν-double-beta decay matrix elements: some surprises in nuclear physics

Thursday, 6 June 2013 16:45 (25 minutes)

Summary

Presenter: FREKERS, Dieter (Universität Münster, Germany)
Session Classification: G6 - Neutrinos and Nuclei
Contribution ID: 203

[NN019] (I) Rare weak decays and nuclear structure

Thursday, 6 June 2013 17:10 (25 minutes)

Summary

Presenter: SUHONEN, Juoni (University of Jyväskylä, Finland)
Session Classification: G6 - Neutrinos and Nuclei
[NN010] (I) Low-energy neutrino and other weak reactions in nuclei

Thursday, 6 June 2013 17:35 (25 minutes)

Summary

Presenter:  GAZIT, Doron (The Hebrew University, Jerusalem, Israel)
Session Classification:  G6 - Neutrinos and Nuclei
[NN004] Search for resonant double-electron capture

Thursday, 6 June 2013 18:00 (15 minutes)

Summary

Presenter: ELISEEV, Sergey (MPI, Heidelberg, Germany)
Session Classification: G6 - Neutrinos and Nuclei
[NN022] Status of the GERDA double beta decay experiment

Thursday, 6 June 2013 18:15 (15 minutes)

Summary

Presenter: ZUBER, Kai (TU Dresden, Germany)

Session Classification: G6 - Neutrinos and Nuclei
[SY029] (I) Parity and time-reversal symmetry violation in $A = 2-4$ nuclei

*Monday, 3 June 2013 14:30 (25 minutes)*

**Summary**

**Presenter:** LAZASUKAS, Rimantas (IPHC-Université Louis Pasteur, Strasbourg, France)

**Session Classification:** H1 - Fundamental Symmetries and Interactions in Nuclei
[SY013] (I) Towards atomic parity violation experiments with laser trapped Francium isotopes

Monday, 3 June 2013 14:55 (25 minutes)

Summary

Presenter:  GWINNER, Gerald (University of Manitoba, Canada)
Session Classification:  H1 - Fundamental Symmetries and Interactions in Nuclei
[SY004] (I) Early Results from the Qweak Experiment

Monday, 3 June 2013 15:20 (25 minutes)

Summary

Presenter: SMITH, Greg (JLAB, USA)
Session Classification: H1 - Fundamental Symmetries and Interactions in Nuclei
[SY012] Search for Time-Reversal Invariance Violation in Nuclei

Monday, 3 June 2013 15:45 (15 minutes)

Summary

Presenter: GUDKOV, Vladimir (University of South Carolina, Columbia, USA)

Session Classification: H1 - Fundamental Symmetries and Interactions in Nuclei
[SY034] T-Violation experiment at TRIUMF-ISAC using polarized $^8\text{Li}$

Monday, 3 June 2013 16:00 (15 minutes)

Summary

Presenter: MURATA, Jiro (Rikkyo University, Tokyo, Japan)

Session Classification: H1 - Fundamental Symmetries and Interactions in Nuclei
[SY001] (I) High Precision Experiments with Cold and Ultra - Cold Neutrons

Monday, 3 June 2013 16:45 (25 minutes)

Summary

Presenter: ABELE, Hartmut (TU Wien, Austria)

Session Classification: H2 - Fundamental Symmetries and Interactions in Nuclei
Summary

**Presenter:** KREMPEL, Jochen (ETH Zürich, Switzerland)

**Session Classification:** H2 - Fundamental Symmetries and Interactions in Nuclei
[SY049] Investigations of the charge symmetry breaking reaction $\text{dd} \rightarrow \alpha \pi^0$
with WASA-at-COSY experiment

Monday, 3 June 2013 17:25 (15 minutes)

Summary

Presenter: ZUREK, Maria Katarzyna (Jagiellonian University, Krakow, Poland)
Session Classification: H2 - Fundamental Symmetries and Interactions in Nuclei
[SY047] Testing Lorentz invariance in $\beta$-decay

Monday, 3 June 2013 17:40 (15 minutes)

Summary

Presenters: SYTEMA, Auke (KVI Groningen, The Netherlands); WILSCHUT, Hans (KVI Groningen, The Netherlands)

Session Classification: H2 - Fundamental Symmetries and Interactions in Nuclei
[SY028] High-precision half-life and branching ratio measurements for superallowed Fermi $\beta^+$ emitters at TRIUMF-ISAC

Monday, 3 June 2013 17:55 (15 minutes)

Summary

Presenter: LAFFOLEY, Alex (University of Guelph, Canada)

Session Classification: H2 - Fundamental Symmetries and Interactions in Nuclei
[SY008] Precision Measurement of the \( \pi^+ \rightarrow e^+ \nu \) Decay

*Monday, 3 June 2013 18:10 (15 minutes)*

Summary

**Presenter:** DORIA, Luca (TRIUMF, Canada)

**Session Classification:** H2 - Fundamental Symmetries and Interactions in Nuclei
[SY010] (I) Fundamental Symmetry Tests with the ALPHA Antihydrogen Trap

Tuesday, 4 June 2013 14:00 (25 minutes)

Summary

Presenter: FUJIWARA, Makoto C. (TRIUMF, Canada)
Session Classification: H3 - Fundamental Symmetries and Interactions in Nuclei
[SY009] Anti-proton and Anti-hydrogen Studies at ATRAP

Tuesday, 4 June 2013 14:25 (15 minutes)

Summary

Presenter:  ETTENAUER, Stephan (Harvard University, USA)

Session Classification:  H3 - Fundamental Symmetries and Interactions in Nuclei
[SY006] Prospects for electric-dipole-moment measurements in Radon

Tuesday, 4 June 2013 14:40 (15 minutes)

Summary

Presenter: CHUPP, Thimoty (University of Michigan, Ann Arbor, USA)

Session Classification: H3 - Fundamental Symmetries and Interactions in Nuclei
[SY037] Final results of $\mu p$ capture rate $\Lambda_S$ and pseudoscalar coupling $g_P$

*Tuesday, 4 June 2013 14:55 (15 minutes)*

Summary

**Presenter:** PETITJEAN, Claude Charles (PSI, Switzerland)

**Session Classification:** H3 - Fundamental Symmetries and Interactions in Nuclei
[SY041] Determination of the antiproton-to-electron mass ratio by two-photon laser spectroscopy of antiprotonic helium atoms

Tuesday, 4 June 2013 15:10 (15 minutes)

Summary

Presenter: SÓTÉR, Anna (Max-Planck-Institut für Quantenoptik, Garching, Germany)
Session Classification: H3 - Fundamental Symmetries and Interactions in Nuclei
[SY007] Measurement of the hyperfine structure of antihydrogen

Tuesday, 4 June 2013 15:25 (15 minutes)

Summary

Presenter: MALBRUNOT, Chloe (Stefan-Meyer-Institut, Austria)
Session Classification: H3 - Fundamental Symmetries and Interactions in Nuclei
[NA016] (I) Broad resonances in light nuclei studied with β- and γ-spectroscopy

*Monday, 3 June 2013 14:30 (25 minutes)*

Summary

**Presenter:** FYNBO, Hans (Aarhus University, Denmark)

**Session Classification:** E1 - Nuclear Astrophysics
[NA020] Virtual Neutron Method applied to the study of $^{17}\text{O}(n,\alpha)^{14}\text{C}$ reaction

Monday, 3 June 2013 15:10 (15 minutes)

Summary

Presenter: GULINO, Marisa (INFN-LNS, Italy)

Session Classification: E1 - Nuclear Astrophysics
[NA050] Protoquark stars: stability windows and magnetic field effects

Monday, 3 June 2013 15:25 (15 minutes)

Summary

Presenter: PERES MENEZES, Débora (UFSC, Florianópolis, Brasil)

Session Classification: E1 - Nuclear Astrophysics
[NA008] Study of the \(^4\)He \((^3\)H,\(\gamma;\))^7\)Be astrophysical reaction using activation and direct recoils detection methods

Monday, 3 June 2013 15:40 (15 minutes)

Summary

Presenter: CARMONA - GALLARDO, Mariano (CSIC, Madrid, Spain)

Session Classification: E1 - Nuclear Astrophysics
[NA021] New Determination of the $^{13}\text{C}(\alpha,n)^{16}\text{O}$ reaction rate and its influence on the s-process nucleosynthesis in AGB stars

Tuesday, 4 June 2013 17:20 (15 minutes)

Summary

Presenter: LIU, Wei Ping (CIAE, Beijing, China)

Session Classification: E4 - Nuclear Astrophysics
[NA045] The $^6\text{Li}(^{22}\text{Ne},^{26}\text{Mg})d$ &alpha;-transfer experiment for the study of low energy resonances in $^{22}\text{Ne}(\alpha,\gamma)^{26}\text{Mg}$

Monday, 3 June 2013 15:55 (15 minutes)

Summary

**Presenter:** OTA, Shuya (JAEA, Tokai, Japan)

**Session Classification:** E1 - Nuclear Astrophysics
[NA053] (I) Current quests in nucleosynthesis: present and future neutron induced reactions measurements

Monday, 3 June 2013 16:45 (25 minutes)

Summary

Presenter:  PRAENA, Javier (Universidad de Sevilla, Spain)
Session Classification:  E2 - Nuclear Astrophysics
[NA019] (I) Studying stars by going underground: The LUNA experiment at Gran Sasso Laboratory

Monday, 3 June 2013 17:10 (25 minutes)

Summary

Presenter: GUGLIELMETTI, Alessandra (Università di Milano, Italy)

Session Classification: E2 - Nuclear Astrophysics
[NA046] Formation of quark matter in protoneutron stars: the burning process and the neutrino emission

Monday, 3 June 2013 17:35 (15 minutes)

Summary

Presenter: PAGLIARA, Giuseppe (Università di Ferrara, Italy)

Session Classification: E2 - Nuclear Astrophysics
[NA028] Measurement of the -3keV resonance in the $^{13}\text{C}(\alpha,n)^{16}\text{O}$ reaction and its influence on the synthesis of $A > 90$ nuclei

Tuesday, 4 June 2013 17:35 (15 minutes)

Summary

**Presenter:** LA COGNATA, Marco (INFN-LNS, Italy)

**Session Classification:** E4 - Nuclear Astrophysics
[NA029] Electron Capture and Beta-Decay Rates for the Collapse of O+Ne+Mg Cores

Monday, 3 June 2013 18:05 (15 minutes)

Summary

Presenter: LAM, Yi-Hua (Technische Universität Darmstadt, Germany)
Session Classification: E2 - Nuclear Astrophysics
[NA023] (I) Charged particle capture and elastic scattering experiments relevant to the astrophysical p-process

Tuesday, 4 June 2013 14:00 (25 minutes)

Summary

Presenter: GYÜRKY, György (Atomki, Debrecen, Hungary)
Session Classification: E3 - Nuclear Astrophysics
[NA036] Proton-proton weak capture in chiral effective field theory

Tuesday, 4 June 2013 14:25 (15 minutes)

Summary

Presenter:  VIVIANI, Michele (Università di Pisa, Italy)
Session Classification:  E3 - Nuclear Astrophysics
[NA006] Astrophysical S factor for the \( ^{17}\text{O}(p, \gamma)^{18}\text{F} \) reaction at Novae energy

Tuesday, 4 June 2013 14:40 (15 minutes)

Summary

Presenters: CACIOLLI, Antonio (INFN-Padova, Italy); MENEGAZZO, Roberto (INFN-Padova, Italy)

Session Classification: E3 - Nuclear Astrophysics
[NA007] Measurement of the $^{25}\text{Mg}(\alpha,n)^{28}\text{Si}$ reaction cross section at LNL

Tuesday, 4 June 2013 14:55 (15 minutes)

Summary

Presenter: DEPALO, Rosanna (Università di Padova, Italy)

Session Classification: E3 - Nuclear Astrophysics
[NA040] The nucleosynthesis of heavy elements in Stars: the key isotope $^{25}\text{Mg}$

Tuesday, 4 June 2013 15:10 (15 minutes)

Summary

Presenter: MASSIMI, Cristian (Università di Bologna, Italy)

Session Classification: E3 - Nuclear Astrophysics
[NA001] $\beta$-decay measurements of $^{12}$B using Gammasphere

*Monday, 3 June 2013 14:55 (15 minutes)*

**Summary**

**Presenters:** FYNBO, Hans (Aarhus University, Denmark); ALCORTA, Martin (ANL, USA)

**Session Classification:** E1 - Nuclear Astrophysics
[NA047] (I) Improving predictions from nova models through nuclear physics measurements

Tuesday, 4 June 2013 16:15 (25 minutes)

Summary

Presenter: PARIKH, Anuj (Universitat Politècnica de Catalunya, Barcelona, Spain)
Session Classification: E4 - Nuclear Astrophysics
[NA065] (I) New Neutrino-Nucleus Reaction Cross Sections at Solar, Reactor and Supernova Neutrino Energies

Tuesday, 4 June 2013 16:40 (25 minutes)

Summary

Presenter: SUZUKI, Toshio (Nihon University, Tokyo, Japan)
Session Classification: E4 - Nuclear Astrophysics
[NA060] Precise study of the supernova reaction $^{40}\text{Ca}(\alpha,\gamma)^{44}\text{Ti}$ by activation and in-beam $\gamma$-spectroscopy

Tuesday, 4 June 2013 17:05 (15 minutes)

Summary

Presenter: SCHMIDT, Konrad (HZDR Dresden, Germany)
Session Classification: E4 - Nuclear Astrophysics
[NA062] Three-nucleon forces and neutron-rich matter

Thursday, 6 June 2013 18:10 (15 minutes)

Summary

Presenter: SCHWENK, Achim (Technische Universität Darmstadt, Germany)

Session Classification: B6 - Nuclear Structure
[NA064] (I) Nuclear data and rapid neutron capture nucleosynthesis

Thursday, 6 June 2013 14:30 (25 minutes)

Summary

Presenter: SURNAM, Rebecca (Union College, Schenectady, USA)
Session Classification: E5 - Nuclear Astrophysics
[NA070] Studies on alpha - induced astrophysical reactions using the low - energy RI beam separator CRIB

Thursday, 6 June 2013 15:25 (15 minutes)

Summary

Presenter:  YAMAGUCHI, Hidetoshi (CNS, University of Tokyo, Japan)
Session Classification:  E5 - Nuclear Astrophysics
[NA031] Measurement of astrophysically important excitation energies of $^{58}$Zn with GRETINA

Thursday, 6 June 2013 15:10 (15 minutes)

Summary

**Presenter:**  LANGER, Christoph (NSCL MSU, USA)

**Session Classification:**  E5 - Nuclear Astrophysics
[NA041] The lifetime of the 6.79 MeV state in $^{15}$O as a challenge for nuclear astrophysics and $\gamma$–ray spectroscopy: a new DSAM measurement with the AGATA Demonstrator array

Thursday, 6 June 2013 14:55 (15 minutes)

Summary

Presenter: MICHELAGNOLI, Caterina (Università di Padova, Italy)
Session Classification: E5 - Nuclear Astrophysics
Contribution ID: 249

Type: not specified

[NA035] β-decay properties of fission fragments in the r-process path

Thursday, 6 June 2013 15:40 (15 minutes)

Summary

Presenter: MADURGA FLORES, Miguel (University of Tennessee, Knoxville, USA)

Session Classification: E5 - Nuclear Astrophysics
[NA032] Low-energy enhancement of nuclear gamma-strength and its impact on astrophysical reaction rates

Thursday, 6 June 2013 15:55 (15 minutes)

Summary

**Presenter:** LARSEN, Ann-Cecilie (University of Oslo, Norway)

**Session Classification:** E5 - Nuclear Astrophysics
[HS028] (I) Exotic Hybrid Meson Spectroscopy with the GlueX detector at JLab

Monday, 3 June 2013 14:30 (25 minutes)

Summary

Presenter:  LAWRENCE, David (JLAB, USA)

Session Classification:  F1 - Hadron Structure
[HS035] On timelike and spacelike deeply virtual Compton scattering at next to leading order

Monday, 3 June 2013 14:55 (15 minutes)

Summary

Presenter: WAGNER, Jakub (NCBJ, Warsaw, Poland)
Session Classification: F1 - Hadron Structure
[HS004] Two-photon exchange contribution in elastic electron-proton scattering, experiment at the VEPP-3 storage ring

Monday, 3 June 2013 15:10 (15 minutes)

Summary

Presenter: NIKOLENKO, Dmitri (BINP, Novosibirsk, Russia)
Session Classification: F1 - Hadron Structure
[HS025] Probing two-photon exchange with OLYMPUS

Monday, 3 June 2013 15:25 (15 minutes)

Summary

Presenter: KOHL, Michael (Hampton University, USA)

Session Classification: F1 - Hadron Structure
[HS012] Study of the proton structure by measurements of polarization transfers in Wide Angle Real Compton scattering at JLab

Monday, 3 June 2013 15:40 (15 minutes)

Summary

Presenter: FANELLI, Cristiano (Università della Sapienza, Roma, Italy)
Session Classification: F1 - Hadron Structure
[HS042] Strangeness Vector and Axial-Vector Form Factors of the Nucleon

Monday, 3 June 2013 15:55 (15 minutes)

Summary

Presenter:  PATE, Stephen (New Mexico State University, USA)
Session Classification:  F1 - Hadron Structure
[HS017] (I) Nucleon structure through Generalized Parton Distributions

Monday, 3 June 2013 16:45 (25 minutes)

Summary

Presenter:  GIROD, Francois-Xavier (JLAB, USA)

Session Classification:  F2 - Hadron Structure
[HS047] (I) Search for permanent Electric Dipole Moments

Monday, 3 June 2013 17:10 (25 minutes)

Summary

Presenter: RATHMANN, Frank (FZ Jülich, Germany)

Session Classification: F2 - Hadron Structure
[HS005] (I) Search for higher lying charmonium and exotics in experiments using high quality antiproton beam with momentum up to 15 GeV/c

Monday, 3 June 2013 17:35 (25 minutes)

Summary

**Presenter:** BARABANOV, Michael (JINR, Dubna, Russia)

**Session Classification:** F2 - Hadron Structure
[HS029] Longitudinal and transverse spin structure of the nucleon at COMPASS

*Monday, 3 June 2013 18:00 (15 minutes)*

**Summary**

**Presenter:** MARCHAND, Claude (CEA Saclay, France)

**Session Classification:** F2 - Hadron Structure
[HS046] Polarized Drell-Yan studies at COMPASS

Monday, 3 June 2013 18:15 (15 minutes)

Summary

**Presenter:** QUINTANS, Catarina (LIP, Lisboa, Portugal)
**Session Classification:** F2 - Hadron Structure
[HS032] (I) Monte Carlo Approach to Fragmentation Functions Using the NJL-jet Model

Tuesday, 4 June 2013 14:00 (25 minutes)

Summary

Presenter: MATEVOSYAN, Hrayr H. (University of Adelaide, Australia)
Session Classification: F3 - Hadron Structure
[HS030] Spin Density Matrix Elements in exclusive production of \( \omega \) and \( \phi \) mesons at Hermes

Tuesday, 4 June 2013 14:25 (15 minutes)

Summary

Presenter: MARIANSKI, Bogdan (NCNR, Warszawa, Poland)
Session Classification: F3 - Hadron Structure
[HS011] Gluon polarization and jet production at STAR

Tuesday, 4 June 2013 14:40 (15 minutes)

Summary

Presenter: DJAWOTHO, Pibero (Texas A&M University, USA)
Session Classification: F3 - Hadron Structure
[HS009] First measurement of the helicity dependence of $^3$He photo-reactions in the $\Delta(1232)$ resonance region

Tuesday, 4 June 2013 14:55 (15 minutes)

Summary

Presenter:  COSTANZA, Susanna (INFN-Pavia, Italy)

Session Classification:  F3 - Hadron Structure
[HS003] Nucleon mass and pion-nucleon $\sigma$-term in the covariant baryon chiral perturbation theory

Tuesday, 4 June 2013 15:10 (15 minutes)

Summary

**Presenter:** LEDWIG, Tim (Universidad de Valencia-CSIC, Spain)

**Session Classification:** F3 - Hadron Structure
[HS033] Studies of the transverse structure of the nucleon at Jefferson Laboratory

Tuesday, 4 June 2013 15:25 (15 minutes)

Summary

Presenter: MIRAZITA, Marco (INFN-LNF, Italy)
Session Classification: F3 - Hadron Structure
[HS051] (I) Short-range correlations of partons, and 3D nucleon structure

Thursday, 6 June 2013 16:45 (25 minutes)

Summary

Presenter: SCHWEITZER, Peter (University of Connecticut, Storrs, USA)
Session Classification: E6 - Hadron Structure
[HS020] (I) Generalized Parton Distributions: a general unifying tool for exploring the internal structure of hadrons

Thursday, 6 June 2013 17:10 (25 minutes)

Summary

Presenter: GUIDAL, Michel (IPN Orsay, France)
Session Classification: E6 - Hadron Structure
[HS031] (I) Transverse spin and transverse momentum structure of the nucleon from the COMPASS experiment

Thursday, 6 June 2013 17:35 (25 minutes)

Summary

Presenter: SOZZI, Federica (INFN - Trieste, Italy)
Session Classification: E6 - Hadron Structure
[HS045] New Extraction of the Flavor Decomposition of the Nucleon Electromagnetic Form Factors

Thursday, 6 June 2013 18:00 (15 minutes)

Summary

Presenter: QATTAN, Issam (Khalifa University of Science, Sharjah, United Arab Emirates)
Session Classification: E6 - Hadron Structure
[HS044] The Proton Form Factor Ratio Measurements at Jefferson Lab

Thursday, 6 June 2013 18:15 (15 minutes)

Summary

Presenter: PUNJABI, Vina (Norfolk State University, USA)

Session Classification: E6 - Hadron Structure
[HN022] (I) RIKEN’s activity at J-PARC Hadron Hall

Tuesday, 4 June 2013 16:15 (25 minutes)

Summary

Presenter: IWASAKI, Masahiko (RIKEN, Japan)
Session Classification: F4 - Hadron Structure and Hadrons in Nuclei
[HD052] (I) Detecting the Anti-helium 4 and anti-hypertriton from the RHIC

Tuesday, 4 June 2013 16:40 (25 minutes)

Summary

Presenter: MA, Yu-Gang (SINAP, Shanghai, China)
Session Classification: F4 - Hadron Structure and Hadrons in Nuclei
[HN006] (I) Unveiling the strangeness secrets: low-energy kaon - nucleon/nuclei interaction studies at DAΦNE

Tuesday, 4 June 2013 17:05 (25 minutes)

Summary

Presenter: CURCEANU, Catalina (INFN-LNF, Italy)

Session Classification: F4 - Hadron Structure and Hadrons in Nuclei
[HS007] Dalitz plot analysis for $\eta \rightarrow \pi^+ \pi^- \pi^0$ at KLOE

Tuesday, 4 June 2013 17:30 (15 minutes)

Summary

Presenter: CALDEIRA BALKESTÅHL, Li (Uppsala University, Sweden)
Session Classification: F4 - Hadron Structure and Hadrons in Nuclei
[HN031] First measurement of low momentum dielectrons radiated off cold nuclear matter

Thursday, 6 June 2013 15:10 (15 minutes)

Summary

Presenter: LORENZ, Manuel (Goethe Universität Frankfurt, Germany)

Session Classification: F5 - Hadrons in Nuclei
[HD066] Overview of Heavy Ion Results from CMS at the LHC

Monday, 3 June 2013 15:10 (15 minutes)

Summary

Presenter: ROLAND, Gunther (MIT, USA)
Session Classification: G1 - Hot and Dense Nuclear Matter
[HD070] Profiling hot and dense nuclear medium with high transverse momentum hadrons produced in d+Au and Au+Au collisions by the PHENIX experiment at RHIC

Monday, 3 June 2013 15:25 (15 minutes)

Summary

Presenter: SAKAGUCHI, Takao (BNL, USA)

Session Classification: G1 - Hot and Dense Nuclear Matter
Summary

Presenter: STEINBERG, Peter (BNL, USA)
Session Classification: G5 - Hot and Dense Nuclear Matter
[HD013] Parton-hadron matter in- and out-of equilibrium

*Monday, 3 June 2013 15:55 (15 minutes)*

**Summary**

**Presenter:** LINNYK, Olena (Giessen University, Germany)

**Session Classification:** G1 - Hot and Dense Nuclear Matter
[HF004] (I) Open heavy-flavor measurements at high-energy hadron colliders

Monday, 3 June 2013 16:45 (25 minutes)

Summary

Presenter:  AVERBECK, Ralf (GSI, Germany)

Session Classification:  G2 - Hot and Dense Nuclear Matter
[HD002] (I) Quarkonium production in heavy-ion collisions

Monday, 3 June 2013 17:10 (25 minutes)

Summary

Presenter: ARNALDI, Roberta (INFN-Torino, Italy)

Session Classification: G2 - Hot and Dense Nuclear Matter
[HD055] (I) Exploring the QCD phase diagram through relativistic heavy-ion collisions

*Monday, 3 June 2013 17:35 (25 minutes)*

**Summary**

**Presenter:** MOHANTY, Bedangadas (NISER Bhubaneswar, India)

**Session Classification:** G2 - Hot and Dense Nuclear Matter
[HD009] Heavy flavour spectra in nucleus-nucleus collisions within a Langevin approach

*Monday, 3 June 2013 18:00 (15 minutes)*

**Summary**

**Presenter:** BERAUDO, Andrea (CERN, Switzerland)

**Session Classification:** G2 - Hot and Dense Nuclear Matter
[HD087] Quarkonium Production and Quark-Gluon Plasma

Summary

Presenter: ZHUANG, Pengfei (Tsinghua University, Beijing, China)
[HD046] (I) Review on flow and correlations

Tuesday, 4 June 2013 14:00 (25 minutes)

Summary

**Presenter:** LACEY, Roy (Stony Brook University, USA)

**Session Classification:** G3 - Hot and Dense Nuclear Matter
[HD060] Measurement of energy and centrality dependence of triangular flow and higher harmonics by STAR in Au+Au collisions

Summary

Presenter: PRUTHI, Navneet K. (Panjab University, India)
[HF029] Pseudorapidity density and anisotropic flow of charged particles over a wide pseudorapidity range in Pb+Pb collisions with the ALICE experiment at the LHC

Tuesday, 4 June 2013 14:40 (15 minutes)

Summary

Presenter: GAARDHØJE, Jens Jørgen (NBI, Copenhagen, Denmark)

Session Classification: G3 - Hot and Dense Nuclear Matter
[HD032] Anisotropic collective flows in a kinetic transport theory at fixed $\eta/s(T)$

*Tuesday, 4 June 2013 14:55 (15 minutes)*

**Summary**

**Presenter:** GRECO, Vincenzo (Università di Catania, Italy)

**Session Classification:** G3 - Hot and Dense Nuclear Matter
[HD073] Correlations and flow measurements in PbPb and pPb collisions with CMS

Tuesday, 4 June 2013 15:10 (15 minutes)

Summary

**Presenter:** SHARMA, Monika (Vanderbilt University, USA)

**Session Classification:** G3 - Hot and Dense Nuclear Matter
[HD078] Hadron Formation in Relativistic Nuclear Collisions and the QCD Phase Diagram

Tuesday, 4 June 2013 15:25 (15 minutes)

Summary

Presenter: STOCK, Reinhard (FIAS and Universität Frankfurt, Germany)

Session Classification: G3 - Hot and Dense Nuclear Matter
[HD028] (I) Anisotropic hydrodynamics

Tuesday, 4 June 2013 16:15 (25 minutes)

Summary

Presenter: FLORKOWSKI, Wojciech (IFJ PAN, Krakow, Poland)

Session Classification: G4 - Hot and Dense Nuclear Matter
[HD010] (I) Recent results on transport models

Tuesday, 4 June 2013 16:40 (25 minutes)

Summary

**Presenter:** BLEICHER, Marcus (Goethe University, Frankfurt, Germany)

**Session Classification:** G4 - Hot and Dense Nuclear Matter
[HD019] (I) Review of Recent Results in Heavy Ion Fluid Dynamics

Tuesday, 4 June 2013 17:05 (25 minutes)

Summary

Presenter: CSERNAI, Laszlo (University of Bergen, Norway)

Session Classification: G4 - Hot and Dense Nuclear Matter
[HD063] Di-electron measurements with Hadron Blind Detector in the PHENIX experiment at RHIC

Tuesday, 4 June 2013 17:30 (15 minutes)

Summary

Presenter:  RAVINOVICH, Ilia (Weizmann Institute, Rehovot, Israel)

Session Classification:  G4 - Hot and Dense Nuclear Matter
**[HD047] Anomalous Transport: Kubo Formulae and Fluid/Gravity Correspondence**

*Tuesday, 4 June 2013 17:45 (15 minutes)*

**Summary**

**Presenter:** MEGÍAS, Eugenio (IFAE, Barcelona, Spain)

**Session Classification:** G4 - Hot and Dense Nuclear Matter
Summary

Presenter: PIETRASZKO, Jerzy (GSI, Germany)
Session Classification: G5 - Hot and Dense Nuclear Matter
[HD005] Strange hadrons and resonances at LHC energies with the ALICE detector

Monday, 3 June 2013 15:40 (15 minutes)

Summary

Presenter: BADALÀ, Angela (INFN-Catania, Italy)

Session Classification: G1 - Hot and Dense Nuclear Matter
[HD020] Measurement of inclusive and recoil jets in Pb-Pb collisions at \( \sqrt{s_{NN}} = 2.76 \) TeV with ALICE at the LHC

Thursday, 6 June 2013 15:10 (15 minutes)

Summary

Presenter: CUNQUEIRO, Leticia (INFN-LNF, Italy)
Session Classification: G5 - Hot and Dense Nuclear Matter
[HD072] Exploring dense baryonic matter with the CBM experiment at FAIR

Thursday, 6 June 2013 15:25 (15 minutes)

Summary

Presenter:  STURM, Christian (Goethe Universität, Frankfurt, Germany)

Session Classification:  G5 - Hot and Dense Nuclear Matter
[HD051] First results from proton-lead collisions at $\sqrt{s_{NN}}=5.02$ TeV measured with ALICE

Thursday, 6 June 2013 15:40 (15 minutes)

Summary

Presenter: LOIZIDES, Constantin (LBNL, USA)

Session Classification: G5 - Hot and Dense Nuclear Matter
[HD033] From microscopic interactions to the dynamics of the fireball

Thursday, 6 June 2013 15:55 (15 minutes)

Summary

Presenter: GREINER, Carsten (Goethe Universität, Frankfurt, Germany)

Session Classification: G5 - Hot and Dense Nuclear Matter
[PL001] Structure and spin of the nucleon

Summary

Presenter: AVAKIAN, Harut (JLAB, USA)
Session Classification: Plenary Session 2
[PL029] Shell evolution and nuclear forces

Monday, 3 June 2013 10:00 (30 minutes)

Summary

Presenter: SORLIN, Olivier (GANIL, France)
Session Classification: Plenary Session 1
[PL010] Recent results from FRS experiments with exotic nuclei produced with uranium projectiles and perspectives with the SUPER-FRS

Monday, 3 June 2013 11:00 (30 minutes)

Summary

Presenter: GEISSEL, Hans (GSI, Germany)
Session Classification: Plenary Session 2
[PL028] Searching for new physics in beta-neutrino correlations

Monday, 3 June 2013 11:30 (30 minutes)

Summary

Presenter: SEVERIJNS, Nathal (KU Leuven, Belgium)

Session Classification: Plenary Session 2
[PL006] Hadron physics from Lattice QCD

Monday, 3 June 2013 12:00 (30 minutes)

Summary

Presenter:  DAVIES, Christine (University of Glasgow, UK)
Session Classification:  Plenary Session 2
[PL007] Meson Spectroscopy in the Light Quark Sector

Monday, 3 June 2013 09:30 (30 minutes)

Summary

Presenter: DE VITA, Raffaella (INFN Genova, Italy)

Session Classification: Plenary Session 1
[PL002] Electromagnetic reactions and few-nucleon dynamics

Tuesday, 4 June 2013 08:30 (30 minutes)

Summary

Presenter:  BACCA, Sonia (TRIUMF, Canada)
Session Classification:  Plenary Session 3
[PL003] Nuclear structure with gamma-ray tracking arrays

Tuesday, 4 June 2013 09:00 (30 minutes)

Summary

Presenter: BAZZACCO, Dino (INFN-Padova, Italy)

Session Classification: Plenary Session 3
[PL024] Direct reactions with exotic nuclei

Tuesday, 4 June 2013 09:30 (30 minutes)

Summary

Presenter: OBERTELLI, Alexandre (CEA Saclay, France)
Session Classification: Plenary Session 3
[PL021] EPJ A sponsored lecture: Nuclear physics from lattice simulations (http://epja.epj.org/)

Tuesday, 4 June 2013 10:00 (30 minutes)

Summary

Presenter: MEISSNER, Ulf-G. (University of Bonn, Germany)

Session Classification: Plenary Session 3
[PL033] Ultra-relativistic heavy-ion collisions: a theoretical review

Tuesday, 4 June 2013 11:00 (30 minutes)

Summary

Presenter: WANG, Xin-Nian (CCNU, Wuhan, China and LBNL, USA)
Session Classification: Plenary Session 4
[PL012] Probing sea quarks and gluons: the Electron-Ion Collider project

*Tuesday, 4 June 2013 11:30 (30 minutes)*

Summary

**Presenter:**  HORN, Tanja (The Catholic University of America, USA)

**Session Classification:**  Plenary Session 4
[PL022] World new facilities for radioactive ion beams

Tuesday, 4 June 2013 12:00 (30 minutes)

Summary

**Presenter:** MOTOBAYASHI, Tohru (RIKEN, Japan)

**Session Classification:** Plenary Session 4
[PL020] Chiral effective field theory for nuclear forces: achievements and challenges

Wednesday, 5 June 2013 08:30 (30 minutes)

Summary

Presenter: MACHLEIDT, Ruprecht (University of Idaho, USA)
Session Classification: Plenary Session 5
[PL009] Exploring nuclear structure with deep-inelastic heavy-ion collisions

Wednesday, 5 June 2013 09:00 (30 minutes)

Summary

Presenter: FORNAL, Bogdan (IFJ PAN, Krakow, Poland)

Session Classification: Plenary Session 5
[PL013] Recent developments in the understanding of explosive H-burning and the rp-process path: classical novae and type I X-ray bursts

Wednesday, 5 June 2013 09:30 (30 minutes)

Summary

Presenter: JOSÈ, Jordi (UPC Barcelona, Spain)
Session Classification: Plenary Session 5
[PL015] Cluster formation and breaking, and cluster excitation in light nuclei

Wednesday, 5 June 2013 10:00 (30 minutes)

Summary

Presenter: KANADA-EN’YO, Yoshiko (Kyoto University, Japan)

Session Classification: Plenary Session 5
[PL004] Imaging devices for medicine and security

Wednesday, 5 June 2013 11:00 (30 minutes)

Summary

Presenter: BOSTON, Andrew (University of Liverpool, UK)
Session Classification: Plenary Session 6
Summary

**Presenter:** FABBIETTI, Laura (University of Munich, Germany)

**Session Classification:** Plenary Session 7
Summary

**Presenter:** NAKAMURA, Satoshi (Tohoku University, Sendai, Japan)

**Session Classification:** Plenary Session 7
[PL016] Lattice QCD and the phase diagram of strong interaction matter

Thursday, 6 June 2013 09:30 (30 minutes)

Summary

Presenter: KARSCH, Frithjof (BNL, USA and Universität Bielefeld, Germany)

Session Classification: Plenary Session 7
[PL017] Recent progress in EDF-based methods applied to nuclear properties

*Thursday, 6 June 2013 10:00 (30 minutes)*

**Summary**

**Presenter:** KHAN, Elias (IPN Orsay, France)

**Session Classification:** Plenary Session 7
[HN045] (I) Formation of strange dibaryon X(2265) in p + p \rightarrow K^+ + X reaction at T_{p} = 2.5 and 2.85 GeV

Thursday, 6 June 2013 14:30 (25 minutes)

Summary

**Presenter:** SUZUKI, Ken (Stefan Meyer Institute, Vienna, Austria)

**Session Classification:** F5 - Hadrons in Nuclei
[HN024] Search for the $\eta$-mesic $^4\text{He}$ with WASA-at-COSY

Thursday, 6 June 2013 14:55 (15 minutes)

Summary

Presenter:  KRZEMIEN, Wojciech (Jagiellonian University, Krakow, Poland)
Session Classification:  F5 - Hadrons in Nuclei
Summary

Presenter: GARIBALDI, Franco (INFN-Roma1, Italy)
Session Classification: F4 - Hadron Structure and Hadrons in Nuclei
Summary

**Presenter:** LI, Ang (Xiamen University, China)

**Session Classification:** F5 - Hadrons in Nuclei
[HN018] A search for the $K^-p p$ bound state in the $^3He(inflight-K^-p p,n)$ reaction at J-PARC

*Thursday, 6 June 2013 15:40 (15 minutes)*

**Summary**

**Presenter:** HASHIMOTO, Tadashi (University of Tokyo, Japan)

**Session Classification:** F5 - Hadrons in Nuclei
[HN034] Calculations of Kbar nuclear quasi-bound states using chiral KbarN amplitudes

Thursday, 6 June 2013 15:55 (15 minutes)

Summary

Presenter: MARES, Jiri (NPI, Rez, Czech Republic)
Session Classification: F5 - Hadrons in Nuclei
[HN010] (I) Light nuclei and hyper-nuclei from lattice QCD

Thursday, 6 June 2013 16:45 (25 minutes)

Summary

Presenter: DETMOLD, William (MIT, USA)
Session Classification: F6 - Hadrons in Nuclei
Summary

Presenter:  BOTTA, Elena (Università di Torino, Italy)
Session Classification:  F6 - Hadrons in Nuclei
[HN044] Study on $^6\Lambda$H hypernucleus by the ($\pi^-,K^+$) reaction at J-PARC

Thursday, 6 June 2013 17:35 (15 minutes)

Summary

Presenter: SUGIMURA, Hitoshi (Kyoto University, Japan)

Session Classification: F6 - Hadrons in Nuclei
[HN015] Neutron-rich hypernuclei beyond $^6\Lambda^+H$

*Thursday, 6 June 2013 17:50 (15 minutes)*

Summary

**Presenter:** GAL, Avraham (The Hebrew University, Jerusalem, Israel)

**Session Classification:** F6 - Hadrons in Nuclei
[HN046] Missing Mass Spectroscopy of η’ Mesic Nuclei with (p,d) Reaction at GSI

Thursday, 6 June 2013 18:05 (15 minutes)

Summary

Presenter: TANAKA, Yoshiki K. (University of Tokyo, Japan)
Session Classification: F6 - Hadrons in Nuclei
[HN038] The first precision measurement of deeply bound pionic states in $^{121}$Sn

*Thursday, 6 June 2013 18:20 (15 minutes)*

Summary

**Presenter:** NISHI, Takahiro (University of Tokyo, Japan)

**Session Classification:** F6 - Hadrons in Nuclei
[PL025] New horizons in ab initio nuclear structure theory

Thursday, 6 June 2013 11:00 (30 minutes)

Summary

Presenter: ROTH, Robert (Technische Universität Darmstadt, Germany)
Session Classification: Plenary Session 8
[PL014] Three-nucleon forces and their importance in three-nucleon systems and heavier nuclei

Thursday, 6 June 2013 11:30 (30 minutes)

Summary

Presenter:  KALANTAR-NAYESTANAKI, Nasser (KVI, Groningen, The Netherlands)
Session Classification:  Plenary Session 8
[PL030] Neutron star masses, radii, and the equation of state of dense matter

Thursday, 6 June 2013 12:00 (30 minutes)

Summary

Presenter: STEINER, Andrew (INT and University of Washington, Seattle, USA)

Session Classification: Plenary Session 8
[PL032] Probing the nuclear equation-of-state and the symmetry energy with heavy-ion collisions

*Thursday, 6 June 2013 12:30 (30 minutes)*

Summary

**Presenter:** VERDE, Giuseppe (INFN-Catania, Italy)

**Session Classification:** Plenary Session 8
[PL005] Many-body quantum reaction dynamics near the fusion barrier

Friday, 7 June 2013 08:30 (30 minutes)

Summary

Presenter: DASGUPTA, Mahananda (ANU, Canberra, Australia)
Session Classification: Plenary Session 9
[PL027] Nuclear astrophysics of stellar explosions and neutron stars, and new opportunities at FRIB@MSU

Friday, 7 June 2013 09:00 (30 minutes)

Summary

Presenter: SCHATZ, Hendrick (NSCL MSU, USA)
Session Classification: Plenary Session 9
[PL026] Neutron beta decay as a probe of weak interactions

Friday, 7 June 2013 09:30 (30 minutes)

Summary

Presenter: SAUNDERS, Alexander (LANL, USA)
Session Classification: Plenary Session 9
[PL019] EPJ Plus sponsored lecture: Nuclear physics and the development of new systems for energy production and waste transmutation (http://epjplus.epj.org/)

Friday, 7 June 2013 10:00 (30 minutes)

Summary

Presenter: LERAY, Sylvie (CEA Saclay, France)
Session Classification: Plenary Session 9
[PL018] Results on neutrino oscillations from reactor experiments

Friday, 7 June 2013 11:00 (30 minutes)

Summary

Presenter: KIM, Soo-Bong (Seoul National University, South Korea)

Session Classification: Plenary Session 10
[PL031] Recent results from heavy ion collisions at RHIC

Friday, 7 June 2013 11:30 (30 minutes)

Summary

Presenter: ULLRICH, Thomas (BNL, USA)
Session Classification: Plenary Session 10
[PL011] Recent results from heavy ion collisions at the LHC

Friday, 7 June 2013 12:00 (30 minutes)

Summary

Presenter: GIUBELLINO, Paolo (CERN, Switzerland)
Session Classification: Plenary Session 10
Contribution ID: 350

Type: not specified

Poster session

Tuesday, 4 June 2013 18:00 (2 hours)

Summary
Public lecture (in Italian)

Summary
1st IUPAP young scientist award

Wednesday, 5 June 2013 11:30 (30 minutes)

Summary

Session Classification: IUPAP prize awards
Contribution ID: 353

2nd IUPAP young scientist award

Wednesday, 5 June 2013 12:00 (30 minutes)

Summary

Session Classification: IUPAP prize awards
3rd IUPAP young scientist award

Wednesday, 5 June 2013 12:30 (30 minutes)

Summary

Session Classification: IUPAP prize awards
Conference Awards for Best Oral and Poster Presentations

Friday, 7 June 2013 12:30 (20 minutes)

Summary

Session Classification: Closing Session
Award of the IBA-Europhysics Prize in Applied Nuclear Science and Nuclear Methods in Medicine

Friday, 7 June 2013 12:50 (20 minutes)

Summary

Session Classification: Closing Session
Registration

Summary
Welcome Cocktail

Summary
[NS043] Giant dipole resonance in highly excited nuclei

Thursday, 6 June 2013 18:10 (15 minutes)

Summary

Presenter: DANG, Nguyen Dinh (RIKEN, Japan)
Session Classification: A6 - Nuclear Structure
Tecniche di Fisica Nucleare per i Beni culturali ed il monitoraggio ambientale - Nuclear Physics techniques for Cultural Heritage and environmental monitoring

Sunday, 2 June 2013 19:00 (1 hour)

Summary

Presenter: MANDÒ, Pier Andrea (Università di Firenze)

Session Classification: Public lecture (in italian)
Announcement of INPC2016

Friday, 7 June 2013 13:10 (5 minutes)

Summary

Session Classification: Closing Session
[NF011] Agata modules as Compton polarimeters for the measurement of gamma-ray linear polarisation

Monday, 3 June 2013 15:55 (20 minutes)

Summary

Presenter: MELON, Barbara (Università di Firenze, Italy)

Session Classification: A1 - Nuclear Structure
[NA063] Relativistic EOS for Supernova Simulations

Monday, 3 June 2013 17:50 (15 minutes)

Summary

Presenter: SHEN, Hong (Nankai University, Tianjin, China)
Session Classification: E2 - Nuclear Astrophysics
JNR105] $^8$B production in the reaction $^6$Li($^3$He,n)$^8$B via neutron angular distribution measurement

Tuesday, 4 June 2013 15:25 (15 minutes)

Summary

Presenter:  CINAUSERO, Marco (INFN-Legnaro, Italy)
Session Classification:  D3 - Nuclear Reactions
[NS064] Stellar electron-capture rates on nuclei based on Skyrme functional

Tuesday, 4 June 2013 15:25 (15 minutes)

Summary

Presenter: FANTINA, Anthea Francesca (Université Libre de Bruxelles, Belgium)

Session Classification: E3 - Nuclear Astrophysics
[NS146] Collectivity in neutron-rich Co and Mn isotopes going towards N = 40

Tuesday, 4 June 2013 17:25 (15 minutes)

Summary

Presenter: MODAMIO, Victor (INFN-Legnaro, Italy)
Session Classification: B4 - Nuclear Structure
Welcome address

Summary

Presenter: SIGNORINI, Cosimo (University of Padova)
Welcome addresses by INFN, University of Padova, University of Firenze, Tuscany Region and Firenze Municipality

Monday, 3 June 2013 09:00 (20 minutes)

Summary

Presenter: ...

Session Classification: Opening
Summary

Session Classification: Closing Session
[NS181] Microscopic approach to the structure of superheavy nuclei

Tuesday, 4 June 2013 17:40 (15 minutes)

Summary

Presenter: PRASSA, Vaia (University of Jyväskylä, Finland)

Session Classification: B4 - Nuclear Structure
[NS041] Study of the $\gamma$ decay of high-lying states in $^{208}$Pb via inelastic scattering of $^{17}$O ions

Thursday, 6 June 2013 17:55 (15 minutes)

Summary

Presenter: CRESPI, Fabio (Università di Milano, Italy)

Session Classification: C6 - Nuclear Reactions