Sunday, June 3, 2007

S1 Symposium for Centennial Celebration of Hideki Yukawa 13:00-15:30 Room: Hall C
Chair: M. Kobayashi, KEK

S1-1 13:00-13:05 Opening remarks
S. Nagamiya
J-PARC Center

S1-2 13:05-13:45 Biography of Hideki Yukawa
H. Sato
Yukawa Memorial Foundation

S1-3 13:45-14:00 Interplay between Yukawa and Tomonaga in the Birth of Mesons
T. Yamazaki
Nishina Memorial Foundation

S1-4 14:00-14:45 From the Yukawa particle to the QGCW
A. Zichichi
World Federation of Scientists

S1-5 14:45-15:30 Symmetry and Asymmetry
T. D. Lee
Columbia University

Sunday, June 3, 2007

S2 Symposium for Centennial Celebration of Hideki Yukawa 15:45-18:00 Room: Hall C
Chair: K. Yazaki, Tokyo WCU, RIKEN

S2-1 15:45-16:30 Hideki Yukawa and Nuclear Physics
A. Arima
Japan Science Foundation

S2-2 16:30-17:15 Legacies of Yukawa and His Disciples, A Personal View
Y. Nambu
University of Chicago

S2-3 17:15-18:00 Perspective on the Development of Nuclear Physics in the Past 100 Years
J. P. Schiffer
Argonne/ University of Chicago

Monday, June 4, 2007

Plenary P1 9:30-11:50 Room: Hall C
Chair: S. Freedman, Berkeley

P1-1 9:30-10:15 Overview and perspectives of nuclear physics
W. Weise
Physik-Department, Technische Universitat Munchen

P1-2 10:15-10:50 Present status of neutrino masses and oscillations
A. Suzuki
KEK, High Energy Accelerator Research Organization

P1-3 10:50-11:20 Exotic Nuclei and Yukawa's Forces
T. Otsuka
Department of Physics and Center for Nuclear Study, University of Tokyo, Nishina Center, RIKEN, NSCL, Michigan State University

P1-4 11:20-11:50 Low Energy Precision Tests: The Standard Model & Beyond
M. Ramsey-Musolf
Wisconsin-Madison/Caltech

Tuesday, June 5, 2007

Plenary P2 9:00-11:00 Room: Hall C
Chair: I. Hamamoto, Lund

P2-1 **9:00-9:30** **Present and Future of Nuclear Structure Theory**
D. J. Dean
Physics Division, Oak Ridge National Laboratory

P2-2 **9:30-10:00** **In-beam gamma-ray spectroscopy with fast beams of rare isotopes**
T. Glasmacher
Michigan State U

P2-3 **10:00-10:30** **Recent activities with post-accelerated RIBs: Techniques and Physics**
A. C. C. Villari
GANIL (IN2P3/CNRS-DSM/CEA)

P2-4 **10:30-11:00** **Overview of recent highlights at ISOL facilities**
J. Äystö[1,2]
[1]Department of Physics, University of Jyvaskyla, [2]Helsinki Institute of Physics, University of Helsinki

Tuesday, June 5, 2007

Plenary P3 11:30-13:00 Room: Hall C
Chair: V. Metag, Giessen

P3-1 **11:30-12:00** **Experiments on searching for the heaviest elements**
K. Morita
RIKEN

P3-2 **12:00-12:30** **Few-body *ab initio* scattering calculations including Coulomb**
A. C. Fonseca
Centro de Fisica Nuclear da Universidade de Lisboa

P3-3 **12:30-13:00** **Recent progress in hypernuclear physics**
E. Hiyama
Department of Physics, Nara Women's University

Wednesday, June 6, 2007

Plenary P4 9:00-10:35 Room: Hall C
Chair: S. Gales, GANIL

P4-1 **9:00-9:35** **Nuclear reactions as probes of exotic nuclei**
J. A. Tostevin
Department of Physics, Faculty of Engineering and Physical Science, University of Surrey

P4-2 **9:35-10:05** **Giant Resonances in Exotic Nuclei - Experimental Status and Perspectives**
T. Aumann
GSI Darmstadt, Helmholtz-Zentrum fur Schwerionenforschung

P4-3 **10:05-10:35** **Overview of nucleon structure studies**
M. Vanderhaeghen[1,2]
[1]Thomas Jefferson National Accelerator Facility, [2]Department of Physics, College of Williamand Mary

Wednesday, June 6, 2007

Plenary P5 11:05-12:45 Room: Hall C
Chair: A.W. Thomas, Jefferson Lab

P5-1 **11:05-11:40** **Nucleon Spin Structure, 30 Years of Experiment: What have we learned?**
M. Grosse Perdekamp
U. Illinois/RBRC

P5-2 **11:40-12:10** **Spectroscopy of Mesons with Heavy Quarks**
S. L. Zhu
Department of Physics, Peking University

P5-3 **12:10-12:45** **Hadron Structure from Lattice QCD**
A. Schäfer
Institute for Theoretical Physics, University of Regensburg

Thursday, June 7, 2007

Plenary P6 9:00-11:00 Room: Hall C
Chair: W. Henning, GSI

P6-1 **9:00-9:15** **Reports on IUPAP C12 and IUPAP Yong Scientist Prize**
W. Henning
GSI

P6-2 **9:15-9:45** **Quark and Gluon Degrees of Freedom in High-Energy Heavy Ion Collisions**
R. J. Fries
Texas A & M

9:45-10:15 **Exploring Three-Nucleon Forces with Nucleon-Deuteron Scattering**
K. Sekiguchi
RIKEN

10:15-10:45 **Nuclear Properties for off Stability from Broad-Band Mass and Liftime Measurements in a Storage Ring**
Y. A. Litvinov
GSI

10:45-10:55 **Reports on Nuclear Physics A Young Scientist Award: R.S. Hayano Award Presentation: R. Olthof**

P6-3 **10:55-11:00** **Reports on the work of the IUPAP working Group 9**
A. W. Thomas
Jefferson Lab

Thursday, June 7, 2007

Plenary P7 11:30-12:40 Room: Hall C
Chair: J.P. Blaizot, ECT*

P7-1 **11:30-12:05** **Quark-gluon plasma: theoretical overview**
Urs Achim Wiedemann
CERN

P7-2 **12:05-12:40** **Quark-gluon plasma: Experimental overview**
William A. Zajc
Columbia University

Friday, June 8, 2007

Plenary P8 9:00-10:40 Room: Hall C
Chair: K. Langanke, GSI

P8-1 9:00-9:30 Experimental study of hadron properties in the nuclear medium
R. S. Hayano
Department of Physics, The University of Tokyo

P8-2 9:30-10:05 Recent Developments in Nuclear Astrophysics
G. J. Mathews
University of Notre Dame, Department of Physics, Center for Astrophysics

P8-3 10:05-10:40 Direct measurements for reaction cross sections with high sensitivity
C. E. Rolfs
Experimentalphysik III, Ruhr-Universitaet Bochum

Friday, June 8, 2007

Plenary P9 11:10-13:00 Room: Hall C
Chair: S. Aronson, BNL

P9-1 11:10-11:45 Present status of double beta decay
E. Fiorini
Dipartimento di Fisica dell' Universita' di Milano-Bicocca and Sezione di Milano-Bicocca dell' INFN

P9-2 11:45-12:20 Present Status and Future Prospects of ITER Project
N. Holtkamp
ITER

P9-3 12:20-12:50 The future of nuclear energy in a global energy perspective
B. Frois
Sacley

P9-4 12:50-13:00 Closing Remark

Tuesday, June 5, 2007

A1 The Standard Model and Beyond 14:30-16:25 Room: G510
Chair: H. Shimizu, KEK

* **A1-1 14:30-14:55 Measuring the Weak Charge of the Proton: A Search for New Physics at the TeV Scale**
W. T. H. Van, Oers
[1]*Department of Physics and Astronomy, University of Manitoba,* [2]*TRIUMF*

A1-2 14:55-15:10 The nEDM project at PSI
O. Naviliat-Cuncic
Laboratoire de Physique Corpusculaire

A1-3 15:10-15:25 Probing the Weak Interaction Spacetime Structure with Muon Decay
A. Olin[1,2]
[1]*TRIUMF,* [2]*University of Victoria*

A1-4 15:25-15:40 Low-energy tests of the CVC-hypothesis and the unitarity of the CKM-matrix by means of precision mass measurements in a Penning trap
A. Jokinen
Department of Physics, University of Jyvaskyla

A1-5 15:40-15:55 The interpretation of atomic electric dipole moments
C. Liu
T-16, Theoretical Division, Los Alamos National Laboratory

A1-6 **15:55-16:10** **Measurement of T-violating Transverse muon Polarization in $K^+ \to \mu^+ \pi^0 \nu$ Decay at J-PARC**
S. Shimizu
Department of Physics, Osaka University

A1-7 **16:10-16:25** **First Results from the New Muon Lifetime Experiments at PSI**
P. Kammel
University of Illinois at Urbana-Champaign

Tuesday, June 5, 2007

B1 Neutrino Physics 16:45-18:40 Room: G510
Chair: J. C. Peng, U. Illinois

* **B1-1** **16:45-17:10** **Recent Results from the MINOS Experiment**
C. Andreopoulos
Science and Technology Facilities Council, Rutherford Appleton Laboratory Harwell Science and Innovation Campus

B1-2 **17:10-17:25** **The KATRIN experiment -a direct ν mass measurement with sub-eV sensitivity**
V. Hannen
Institut fur Kernphysik, Westfalische Wilhelms-Universitat Munster

B1-3 **17:25-17:40** **The neutrinoless double beta decay in ^{76}Ge at GERDA**
P. Grabmayr
Eberhard Karls Universitat Tubingen

B1-4 **17:40-17:55** **Study of ^{48}Ca double beta decay with CANDLES**
I. Ogawa
Graduate School of Science, Osaka University

B1-5 **17:55-18:10** **Status of the FNAL SciBooNE Experiment toward precision measurements of neutrino-nucleus cross sections**
T. Nakaya
Kyoto University

B1-6 **18:10-18:25** **Neutron Tagging Technique for Relic Supernova Neutrinos in Super-Kamiokande**
H. Watanabe
Institute for Cosmic Ray Research, The University of Tokyo

B1-7 **18:25-18:40** **Coherent charged pion production in neutrino-nucleus collisions**
L. Alvarez-Ruso
Departamento de Fisica Teorica and IFIC, Universidad de Valencia

Monday, June 4, 2007

C1 Hot and Dense QCD I 16:00-17:55 Room: G701
Chair: I. Tserruya, Weizmann Institute of Science

* **C1-1** **16:00-16:25** **Lepton-pair production in nuclear collisions - past, present, future**
H. Specht
University of Heidelberg

C1-2 **16:25-16:40** **Recent results on muon pair production from the NA60 experiment**
R. Arnaldi
INFN - Torino

C1-3 **16:40-16:55** **Heavy Flavor as a Probe of Quark-Gluon Plasma**
P. Zhuang
Physics Department, Tsinghua University

C1-4 **16:55-17:10** **Tomography of the QUARK GLUON PLASMA by heavy quarks**
J. Aichelin
Laboratoire de Physique Subatomique et des Technologies Associees, Universite de Nantes, IN2P3/CNRS,EMN

C1-5 **17:10-17:25** **J/ψ production in Au+Au and Cu+Cu collisions at PHENIX**
S. Oda
Center for Nuclear Study, Graduate School of Science, University of Tokyo

C1-6 **17:25-17:40** **Heavy Quark Measurements by Weak-Decayed Electrons at RHIC-PHENIX**
F. Kajihara
Center for Nuclear Study (CNS), Graduate School of Science, the University of Tokyo

C1-7 **17:40-17:55** **New Measurements of Open Charm Production via Hadronic Decay Channels for the STAR Experiment at RHIC**
S. Baumgart
Yale University

Monday, June 4, 2007

C2 Hot and Dense QCD II 18:15-20:00 Room: G701
Chair: T. Csorgo, Budapest

C2-1 **18:15-18:30** **Partonic Equation of State in High-Energy Nuclear Collisiosn**
N. Xu
Nuclear Science Division, Lawrence Berkeley National Laboratory

C2-2 **18:30-18:45** **Saturation effect on heavy flavors in pA collisions**
H. Fujii
Institute of Physics, University of Tokyo

C2-3 **18:45-19:00** **Anomalous viscosity of an expanding quark-gluon plasma**
M. Asakawa
Department of Physics, Osaka University

C2-4 **19:00-19:15** **Covariant Dissipative Fluid-dynamical Equations That are Consistent with Boltzmann Equation**
T. Kunihiro
Yukawa Institute for Theoretical Physics, Kyoto University

C2-5 **19:15-19:30** **Phases of QCD and PNJL model beyond mean field**
S. Rößner
Physik-Department, Technische Universitat Munchen

C2-6 **19:30-19:45** **Chiral phase transition in lattice QCD as a metal-insulator transition**
A. García-García[1,2]
[1]Physics Department, Princeton University, [2]The Abdus Salam International Centre for Theoretical Physics

C2-7 **19:45-20:00** **A study of dense matter in a AdS/QCD model**
Y. Kim
KIAS

Tuesday, June 5, 2007

C3 Hot and Dense QCD III 14:30-16:25 Room: G502
Chair: Y-G. Ma, Shanghai IAP

* **C3-1** **14:30-14:55** **Dynamical modeling of relativistic heavy ion collisions**
T. Hirano
Department of Physics, the University of Tokyo

C3-2 **14:55-15:10** **What do elliptic flow measurements tell us about the high energy density QCD matter created at RHIC?**
R. Lacey
Dept. of Chemistry, Stony Brook University

C3-3 **15:10-15:25** **Beam energy dependences of baryon productions and hadron freeze-out properties at RHIC-PHENIX**
T. Chujo
Institute of Physics, University of Tsukuba

C3-4 **15:25-15:40** **Nuclear Modification Factors in d+Au and Au+Au collisions at $\sqrt{s_{NN}}$ = 200 GeV**
E.-J. Kim
Chonbk National University

C3-5 **15:40-15:55** **Jet properties from the conditional yields associated with high-p_T π^0 and direct photon**
J. Rak
Jyvaskla University

C3-6 **15:55-16:10** **Heavy-Quark Diffusion, Flow and Recombination at RHIC and LHC**
V. Greco[1,2]
[1]Dipartimento di Fisica e Astronomia, [2]Laboratori Nazionali del Sud INFN-LNS

C3-7 **16:10-16:25** **Onset of J/ψ Melting in QGP Fluid at RHIC**
T. Gunji
Center for Nuclear Study, Graduate School of Science, University of Tokyo

Monday, June 4, 2007

D1 Nucleon Structure I 16:00-17:55 Room: G409
Chair: K de Jager, Jefferson Lab.

* **D1-1** **16:00-16:25** **Elastic Form Factors of the Proton, Neutron and Deuteron**
M. Kohl
MIT-Bates Linear Accelerator Center and Laboratory for Nuclear Science Massachusetts Institute of Technology

D1-2 **16:25-16:40** **Measurement of the Strange Form Factors of the Nucleon in Hall A at JLab**
P. Souder
Syracuse University

D1-3 **16:40-16:55** **Realistic Effective NN Force Derived at the Quark Level**
A. Thomas
Jefferson Lab

D1-4 **16:55-17:10** **Lattice QCD studies of the nuclear force**
N. Ishii
Center for Computational Sciences, Univ. of Tsukuba

D1-5 **17:10-17:25** **Coupled channel studies of the πN and γN reaction and nucleon resonances**
T. Sato[1,2]
[1]Excited Baryon Analysis Center, Thomas Je.erson National Accelerator Facility, NewportNews, [2]Department of Physics, Osaka University

D1-6 **17:25-17:40** **Meson photoproduction in Hydrogen and Deuterium**
V. Bellini[1,2]
[1]Dipartimento di Fisica ed Astronomia, Universita di Catania, [2]INFN - Laboratori Nazionali del Sud

D1-7 **17:40-17:55** **Study of strangeness photoproduction near the threshold region using a new large Neutral Kaon Spectrometer (NKS2) at Tohoku-LNS**
M. Kaneta
Department of Physics, Tohoku University

Monday, June 4, 2007

D2 Hadron Spectroscopy 18:15-20:00 Room: G409

Chair: D.O. Riska, Helsinki Institute of Physics

D2-1 18:15-18:30 Reaction mechanism for photoproductions of hyperons and resonances
A. Hosaka
Research Center for Nuclear Physics (RCNP)

D2-2 18:30-18:45 Evidence for Θ^+ in quasi-free photo-production from a deuteron
T. Nakano
RCNP, Osaka University

D2-3 18:45-19:00 A new upper limit for Θ^+ production in the $pp \to pK^0\Sigma^+$ reaction with the COSY-TOF experiment
M. Schulte-Wissermann
Institut fur Kern-und Teilchenphysik, Technische Universitat Dresden

D2-4 19:00-19:15 Charmed tetraquarks
A. Valcarce
Departamento de F.sica Fundamental e IUFFyM, Universidad de Salamanca

D2-5 19:15-19:30 Masses and semileptonic decays of doubly heavy baryons in a nonrelativistic quark model
E. Heŕnandez
Grupo de Física Nuclear, Departamento de Física Fundamental e IUFFyM, Facultad de Ciencias

D2-6 19:30-19:45 $\Lambda(1405)$ peak in aq^3-$q\bar{q}$ scattering with a q^3 pole
S. Takeuchi
Japan College of Social Work

D2-7 19:45-20:00 A pentaquark picture of $\Lambda(1405)$
T. Inoue
Dept. Physics, Sophia University

Tuesday, June 5, 2007

D3 Nucleon Structure II 14:30-16:25 Room: G409

Chair: Y. Goto, RBRC

* **D3-1 14:30-14:55 High-energy hadron physics at future facilities**
M. Strikman
Penn State University, University Park

D3-2 14:55-15:10 Measurement of azimuthal angular distributions of dimuons in p+p and p+d interaction at 800 GeV/C
J. Peng
University of Illinois at Urbana-Champaign

D3-3 15:10-15:25 Spin physics program at RHIC-PHENIX
K. Aoki
[1]RIKEN, [2]RIKEN BNL ResearchCenter

D3-4 15:25-15:40 Transversely Polarized Proton Spin Measurements in p⃗+p Collisions with the PHENIX detector
M. Chiu
Department of Physics, Brookhaven National Laboratory

D3-5 15:40-15:55 Recent Measurements of the Inclusive Jet Longitudinal Double Spin Asymmetry at STAR
R. Fatemi
Massachusetts Institute of Technology

D3-6 15:55-16:10 Longitudinal spin asymmetry and cross section measurements for neutral pion and charged pion production in polarized p+p collisions at RHIC at $\sqrt{s}$=200GeV
B. Surrow
Massachusetts Institute of Technology, Department of Physics

D3-7 **16:10-16:25** **Study of Hadron Structure with the COMPASS Experiment at CERN**
S. Paul
Physik Department E18, TU-Munchen

Tuesday, June 5, 2007

D4 Spin Structure 16:45-18:30 Room: G409
Chair: X. Ji, Maryland U

D4-1 **16:45-17:00** **Prospects for Future measurement of Generalized Parton Distributions using COMPASS at CERN**
E. Burtin
CEA/DSM/Dapnia/Service de physique Nucleaire

D4-2 **17:00-17:15** **Deeply Virtual Compton Scattering and Deep π^0 production in Hall A at Jefferson Laboratory**
P. Bertin[1,2]
[1]Universite Blaise Pascal/CNRS-IN2P3, [2]Thomas Jefferson Accelerator Facility

D4-3 **17:15-17:30** **Nucleon Spin Structure Study using a Polarized ^{3}He target at Jefferson Lab**
H. Gao[1,2]
[1]Duke University and the Triangle Universities Nuclear Laboratory, [2]On behalf of the Je.erson Lab Hall A polarized 3 He collaboration

D4-4 **17:30-17:45** **Spin structure of the nucleon studied at HERMES**
X. Lu
Department of Physics, Tokyo Institue of Technology

D4-5 **17:45-18:00** **Nucleon form factors and structure functions in lattice QCD with dynamical DWF quarks**
S. Ohta[1,2,3]
[1]Institute of Particle and Nuclear Studies, KEK, [2]RIKEN BNL Research Center, [3]Physics Department, SOKENDAI

D4-6 **18:00-18:15** **Next-to-leading order QCD corrections to di-hadron production in polarized proton-proton collisions**
M. Stratmann
Radiation Laboratory, RIKEN

D4-7 **18:15-18:30** **Global analysis of hadron-production data in e^+e^- annihilation for determining fragmentation functions**
K. Sudoh
Institute of Particle and Nuclear Studies, KEK

Monday, June 4, 2007

E1 Medium Properties of Hadrons 16:00-17:55 Room: G510
Chair: K. Seth, Northwestern

* **E1-1** **16:00-16:25** **Hadrons in Nuclei: Experiments and Perspectives**
S. Schadmand
Institut fur Kernphysik, Forschungszentrum Julich

E1-2 **16:25-16:40** **Evidence of ρ, ω and ϕ meson mass modification in nuclear medium measured in 12 GeV p+A reaction at KEK-PS E325**
R. Muto
RIKEN

E1-3 **16:40-16:55** **Dielectron production in C+C collisions with HADES**
J. Pietraszko[1,2]
GSI Darmstadt

E1-4 **16:55-17:10** **New Results on the ω Meson in the nuclear Medium**
M. Kotulla
II. Physikalisches Institut

E1-5 **17:10-17:25** **Two-pion production in the ΔΔ region -approaching the ABC puzzle by exclusive and kinematically complete measurements**
T. Skorodko
Physikalisches Institut, Univ. Tubingen

E1-6 **17:25-17:40** **In-medium properties of pion and partial restoration of chiral symmetry in nuclear medium**
D. Jido
Yukawa Institute for Theoretical Physics, Kyoto University

E1-7 **17:40-17:55** **Formation spectra of η-mesic nuclei by (π^+,p) reaction at J-PARC and chiral symmetry for baryons**
H. Nagahiro
Research Center for Nuclear Physics, Osaka University

Monday, June 4, 2007

E2 Kaon-Nuclear Interaction 18:15-20:00 Room: G510

Chair: A. Gal, Hebrew U

E2-1 **18:15-18:30** **Studies of kaon-bound states with FINUDA**
H. Fujioka
University of Tokyo

E2-2 **18:30-18:45** **An experimental search for strange multi-baryonic systems in ^{4}He(stopped K^-, N) reaction**
T. Suzuki
Nishina Center for Accelerator-based Science, RIKEN

E2-3 **18:45-19:00** **Kaon-nucleus interaction studied by the in-flight (K$^-$, N) reaction**
T. Kishimoto
Department of Physics, Osaka University

E2-4 **19:00-19:15** **Density Functional Theory for Hypernuclear Matter, Neutronstars, and Hypernuclei**
H. Lenske
Institut fur Theoretische Physik, U. Giessen

E2-5 **19:15-19:30** **Structure and production of the basic K^-pp and other K̄ nuclear clusters**
Y. Akaishi[1,2]
[1]*College of Science and Technology, Nihon University,* [2]*Nishina Center for Accelerator-Based Science, RIKEN*

E2-6 **19:30-19:45** **Widths of K̄-nuclear quasibound states**
J. Mareš
Nuclear Physics Institute

E2-7 **19:45-20:00** **Kaon absorption from kaonic atoms and formation spectra of kaonic nuclei**
S. Hirenzaki
Department of Physics, Nara Womens University

Wednesday, June 6, 2007

E3 Hyperon Interactions and Hypernuclear Physics I 14:30-16:25 Room: G510

Chair: B. Gibson, LANL

* **E3-1** **14:30-14:55** **Hypernuclear γ-ray spectroscopy: present status and perspectives**
H. Tamura
Department of Physics, Tohoku University

E3-2 **14:55-15:10** **Hypernuclear Spectroscopy with FINUDA**
S. Marcello
University of Torino and INFN, Sezione di Torino

E3-3 **15:10-15:25** **High-Resolution Hypernuclear Spectroscopy by Electron Scattering at JLab, Hall A**
G.M. Urciuoli
Istituto Nazionale di Fisica Nucleare, Sezione di Roma Tre

E3-4 **15:25-15:40** **Spectroscopy of Λ-hypernuclei via electroproduction at JLAB**
L. Tang[1,2]
[1]Hampton University, [2]Thomas Jefferson National Accelerator Facility

E3-5 **15:40-15:55** **Three-body Weak Decay process of Λ Hypernuclei and its first experimental signatures.**
H. Bhang
Department of Physics and Astronomy, Seoul National University

E3-6 **15:55-16:10** **Study of *S*=-2 systems with hybrid-emulsion method from KEK to J-PARC**
K. Nakazawa
Physics department, Gifu University

E3-7 **16:10-16:25** **Isospin-mixed Ξ hypernuclear states and (K̆,K) reactions**
D. Lanskoy
Institute of Nuclear Physics, Moscow State University

Wednesday, June 6, 2007

E4 Hyperon Interactions and Hypernuclear Physics II 16:45-18:30 Room: G510
Chair: T. Bressani, INFN, Torino

E4-1 **16:45-17:00** **B_s α and B_s (3N) potentials derived from the SU_6 quark-model baryon-baryon interaction**
Y. Fujiwara
Department of Physics, Kyoto University

E4-2 **17:00-17:15** **Hypernucler structures based on the new interaction model ESC04**
Y. Yamamoto
Physics Section, Tsuru University

E4-3 **17:15-17:30** **Meson-Baryon Coupling Constants in QCD Sum Rules**
G. Erkol
Tokyo Institute of Technology

E4-4 **17:30-17:45** **S=-1,-2 baryon-baryon interactions in chiral effective field theory**
H. Polinder
Institut fur Kernphysik(Theorie), Forschungszentrum Julich

E4-5 **17:45-18:00** **ΛΛ - *N*Ξ - ΛΣ - ΣΣ coupled channel calculations of doubly strange hypernuclei**
H. Nemura
Advanced Meson Science Laboratory, Nishina Center for Accelerator-Based Science, RIKEN

E4-6 **18:00-18:15** **Evaluation of the asymmetry in the weak nonmesonic decay of hypernuclei**
F. Krmpotić[1,2,3]
[1]Instituto de F.sica, Universidade de S.ao Paulo, [2]Instituto de F.sica La Plata, CONICET, [3]Facultad de Ciencias Astronomicas y Geof.sicas, Universidad Nacional de La Plata

E4-7 **18:15-18:30** **Interpretation of recent JLab results on quasi elastic (*e,e'p*) reactions off few-nucleons systems**
H. Morita
Sapporo Gakuin University

Monday, June 4, 2007

F1 Structure of light nuclei I 16:00-17:55 Room: Hall C

Chair: M. Ishihara, RIKEN

* **F1-1 16:00-16:25 Cluster aspect of light unstable nuclei**
Y. Kanada-Enyo
Yukawa Institute for Theoretical Physics, Kyoto University

F1-2 16:25-16:40 Dilute 2α + t cluster state in ^{11}B
T. Kawabata
Center for Nuclear Study, Graduate School of Science, University of Tokyo

F1-3 16:40-16:55 Mapping of the ^{12}C* states of via the ^{10}B(^{3}He, pααα) Reaction
O. Tengblad
Inst. Estructura de la Materia, CSIC

F1-4 16:55-17:10 Solid, liquid, and gas structure of light nuclei
N. Itagaki
Department of Physics, University of Tokyo

F1-5 17:10-17:25 Study of the core-excited Fano Resonances in the neutron-rich C-isotopes
S. Orrigo
INFN Laboratori Nazionali del Sud

F1-6 17:25-17:40 Laser spectroscopy and mass spectrometry of halo nuclei with COLLAPS and ISOLTRAP
M. Kowalska
CERN

F1-7 17:40-17:55 LOHENGRIN's return: New nuclear spectroscopy and nuclear reaction results from ILL
U. Köster
Institut Laue Langevin

Monday, June 4, 2007

F2 Structure of heavy nuclei I 16:00-18:00 Room: D7

Chair: H. Ryde, Lund U

F2-1 16:00-16:15 Single-neutron structure of neutron-rich nuclei near ^{132}Sn
J. Cizewski
Department of Physics and Astronomy, Rutgers University

F2-2 16:15-16:30 Experimental studies of single-particle features and collectivity above ^{132}Sn
L. Fraile
CERN

F2-3 16:30-16:45 Study of high-spin shape isomers
A. Odahara
Department of Physics, Osaka University

F2-4 16:45-17:00 Shifts in neutron single-particle states outside N=82
S. Freeman
School of Physics and Astronomy, University of Manchester

F2-5 17:00-17:15 Isomer and ground-state properties in storage rings
P. Walker
Department of Physics, University of Surrey

F2-6 17:15-17:30 In-beam and decay spectroscopy of ^{195}At
M. Nyman
Department of Physics, University of Jyvaskyla

F2-7 17:30-17:45 Beta-decay studies with highly-charged exotic nuclei in the storage ring ESR
Y. Litvinov[1,2]
[1]GSI, [2]JLU

F2-8 **17:45-18:00** **Chirality in atomic nucleus**
S. Zhang[1,2]
[1]School of Physics, Peking University, [2]Institute of Theoretical Physics, Chinese Academy of Science

Monday, June 4, 2007

F3 Structure of light nuclei II 18:15-20:00 Room: Hall C
Chair: A. Ogloblin, Kurchatov Institute

F3-1 **18:15-18:30** **Nuclear molecules in A=10 nuclei**
D. Miljanić
Department of Experimental Physics, Ruđer Bošković Institute

F3-2 **18:30-18:45** **Indication of 4α-particle Bose condensate in ^{16}O**
Y. Funaki
Nishina Center for Accelerator-Based Science, The Institute of Physical and Chemical Research (RIKEN)

F3-3 **18:45-19:00** **Role of the explicit tensor correlation in neutron halo nuclei**
T. Myo
RCNP, Osaka University

F3-4 **19:00-19:15** **Spectroscopy of ^{9}Li : the N=6 new closed shell nucleus**
R. Kanungo[1,2]
[1]TRIUMF, [2]Astronomy and Physics Division, St. Marys University

F3-5 **19:15-19:30** **The lifetime measurement of the first 2^+ state in ^{12}Be**
N. Imai
Institute of Particle and Nuclear Study, KEK

F3-6 **19:30-19:45** **Studies of ^{12}C from the β-decays of ^{12}N and ^{12}B**
H. Fynbo
Department of Physics and astronomy, University of Aarhus

F3-7 **19:45-20:00** **Unbound excited states in ^{19,17}C**
Y. Satou
Department of Physics, Tokyo Institute of Technology

Monday, June 4, 2007

F4 Structure of heavy nuclei II 18:15-20:00 Room: D7
Chair: Y. Nagai, Japan Atomic Energy Agency

F4-1 **18:15-18:30** **Half-life of the first excited state of ^{201}Hg**
V. Méot
CEA/DIF/DPTA Service de Physique Nucleaire

F4-2 **18:30-18:45** **Positive parity states in ^{208}Pb observed with an energy resolution of 3 keV in the proton decay of the $j_{15/2}$ IAR in ^{209}Bi.**
A. Heusler
Max-Planck-Institut fur Kernphysik

F4-3 **18:45-19:00** **In-beam γ-ray spectroscopy of neutron-rich nuclei in the uranium region through the heavy-ion transfer reaction**
T. Ishii
Japan Atomic Energy Agency

F4-4 **19:00-19:15** **Yrast isomers at high-spin in ^{212}Rn including neutron triple-core-excitations**
G. Dracoulis
Department of Nuclear Physics, R.S.Phys.S.E., Australian National University

F4-5 **19:15-19:30** **Synthesis and Nuclear Structure of Superheavy Elements at GSI**
D. Ackermann
Gesellschaft fur Schwerionenforschung GSI

F4-6 **19:30-19:45** **Sub-barrier Coulomb Excitation of Sn isotopes and its Implications for the ^{100}Sn Shell-closure**
J. Cederkall
CERN

F4-7 **19:45-20:00** **CALCULATION OF TWO NEUTRINO DOUBLE BETA DECAY HALF LIVES FOR SOME SPHERICAL NUCLEI BY USING PYATOV METHOD***
S. Unlu
Anadolu University, Department of Physics

Tuesday, June 5, 2007

F5 Neutron-rich nuclei and excitation mechanisms 14:30-16:15 Room: Hall C
Chair: S. Shimoura , U Tokyo

F5-1 **14:30-14:45** **Unbound states of neutron-rich oxygen isotopes: Investigation into the N=16 shell gap†**
M. Thoennessen[1,2]
[1]National Superconducting Cyclotron Laboratory, Michigan State University, [2]Department of Physics and Astronomy, Michigan State University

F5-2 **14:45-15:00** **New pairing collectivity: surface di-neutron mode in neutron-rich nuclei**
M. Matsuo
Faculty of Science, Niigata University

F5-3 **15:00-15:15** **Density Matrix Renormalization Group Approach for many body open quantum systems**
J. Rotureau[1,2,3]
[1]Department of Physics and Astronomy, University of Tennessee Knoxville, [2]Physics Division, Oak Ridge National Laboratory, [3]Joint Institute for Heavy Ion Research, Oak Ridge National Laboratory

F5-4 **15:15-15:30** **Damping of quadrupole states in extended RPA with ground-state correlations**
M. Tohyama
Kyorin University School of Medicine

F5-5 **15:30-15:45** **Pigmy Dipole states in the neutron-rich nucleus ^{26}Ne**
D. Beaumel
Institut de physique nucleaire

F5-6 **15:45-16:00** **Temperature Dependence of GDR Width in near-Sn Nucleus**
S. Banerjee
Variable Energy Cyclotron Centre

F5-7 **16:00-16:15** **Medium effect and neutron density distribution of ^{16,18}O observed via proton elastic scattering**
J. Zenihiro
Department of Physics, Kyoto University

Tuesday, June 5, 2007

F6 Structure of medium-mass nuclei I 14:30-16:25 Room: Hall B5(2)
Chair: K. Matsuyanagi, Kyoto U

* **F6-1** **14:30-14:55** **Shape transition in neutron-rich *pf*-shell isotopes studied via proton inelastic scattering**
N. Aoi
RIKEN Nishina Center for Accelerator-Based Science

F6-2 **14:55-15:10** **New spin assignments in the odd-odd N=Z nucleus ^{42}Sc and the breaking of the ^{40}Ca core.**
C. Scholl
Institut fur Kernphysik der Universitat zu Koln

F6-3 **15:10-15:25** **On the controversial discussion of the *N*=32 and/or *N*=34 shell closures in the light of new beyond mean field calculations**
J. Egido
Departament de Fisica Teorica, Universidad Autonoma de Madrid

F6-4 **15:25-15:40** **Nonadiabatic quasiparticle description of triaxial proton emitters**
P. Arumugam
Centro de Física das Interacções Fundamentais, and Departmento de Física, Instituto Superior Tecnico

F6-5 **15:40-15:55** **Z=50 shell gap near ^{100}Sn from intermediate-energy Coulomb excitations in even-mass $^{106-112}$Sn isotopes**
D. Bazin
NSCL, MSU

F6-6 **15:55-16:10** **Exciting new isomers from the first RISING stopped beam campaign**
A. Jungclaus
Departamento de Física Teorica, Universidad Autonoma de Madrid

F6-7 **16:10-16:25** **β-decay studies of neutron-rich Cu and Ga isotopes at the HRIBF**
J. Winger
Dept. of Physics and Astronomy, Mississippi State Univ.

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F7 Structure of light nuclei III 16:45-18:30 Room: Hall C
Chair: A. Lepine-Szily, Sao Paulo U

F7-1 **16:45-17:00** **Coulomb breakup of halo nuclei and two-neutron correlations**
T. Nakamura
Department of Physics, Tokyo Institute of Technology

F7-2 **17:00-17:15** **The Nuclear Charge Radius of the Halo Nucleus ^{11}Li**
W. Nortershauser[1,2]
[1]Gesellschaft fur Schwerionenforschung, [2]Nuclear Chemistry Department, University Mainz

F7-3 **17:15-17:30** **Nuclear structure studies through β-delayed decay spectroscopy of polarized radioactive nuclei**
T. Shimoda
Department of Physics, Graduate School of Science, Osaka University

F7-4 **17:30-17:45** **Structure and spectroscopy of light exotic nuclei via direct reactions**
V. Lapoux
CEA-Saclay DSM/DAPNIA/SPhN

F7-5 **17:45-18:00** **Spectroscopy of light neutron-rich nuclei using one-neutron removal reactions at relativistic energies**
D. Cortina-Gil
Universidad de Santiago de Compostela

F7-6 **18:00-18:15** **Two-proton radioactivity of ^{19}Mg probed in tracking experiments at GSI**
I. Mukha[1,2]
[1]University of Seville, [2]Kurchatov Institute

F7-7 **18:15-18:30** **Spectroscopy of resonance levels in ^{14}O by ^{13}N+p elastic resonance scattering**
T. Teranishi
Department of Physics, Kyushu University

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F8 Highly excited states 16:45-18:40 Room: Hall B5(2)
Chair: T. Suzuki, Fukui U

* **F8-1** **16:45-17:10** **Gamow-Teller strengths in proton-rich exotic nuclei deduced in the combined analysis of mirror β-decay and high-resolution (^{3}He,t) measurements**
Y. Fujita
Department of Physics, Osaka University

F8-2 **17:10-17:25** **Search for Pygmy Resonance in the exotic ^{68}Ni**
F. Camera
University of Milan, and INFN Section of Milan

F8-3 **17:25-17:40** **Spin-part of the M1 strength in ^{208}Pb**
A. Tamii
Research Center for Nuclear Physics, Osaka University

F8-4 **17:40-17:55** **The Giant Monopole Resonance in the $^{112-124}$Sn Isotopes and the Symmetry Energy Term in Nuclear Incompressibility**
U. Garg
Department of Physics, University of Notre Dame

F8-5 **17:55-18:10** **Excitation and charged particle decay of dipole resonances in the α clusters of ^{6}Li and ^{7}Li**
T. Yamagata
Department of Physics, Konan University

F8-6 **18:10-18:25** **Experimental study of nuclear systems with extreme N/Z ratio**
D. Beaumel
Institut de Physique Nucléaire, IN2P3-CNRS

F8-7 **18:25-18:40** **GIANT RESONANCES UNDER EXTREME CONDITIONS**
N. Dang
Nishina Center for Accelerator-based Science, RIKEN

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F9 Structure of medium-mass nuclei II 14:30-16:25 Room: Hall B5(2)

Chair: J. Wambach, Darmstadt TU

* **F9-1** **14:30-14:55** **Spectroscopy of neutron-rich nuclei at LNL with the CLARA-PRISMA set-up**
A. Gadea
INFN-Laboratori Nazionali di Legnaro

F9-2 **14:55-15:10** **COLLAPSE OF THE N=28 SHELL CLOSURE IN THE Si ISOTOPES**
S. Grevy
Grand Accelerateur National dIons Lourds (GANIL), CEA/DSM -CNRS/IN2P3

F9-3 **15:10-15:25** **Electric quadrupole moment of ^{31}Al**
H. Ueno
RIKEN

F9-4 **15:25-15:40** **Mass measurements on short-lived radionuclides using Ramseys excitation method at ISOLTRAP**
S. George[1,2]
[1]GSI, [2]Johannes Gutenberg-Universitat Mainz, Institut fur Physik

F9-5 **15:40-15:55** **Measurement of nuclear-quadrupole moments at the NSCL**
K. Minamisono
National Superconducting Cyclotron Laboratory, Michigan State University

F9-6 **15:55-16:10** **New microsecond isomers found in the neutron rich Sn and Sb nuclei**
R. Lozeva[1,2]
[1]Instituut voor Kern- en Stralingsfysica, Katholieke Universiteit Leuven, [2]Faculty of Physics, University of Sofia

F9-7 **16:10-16:25** **Superdeformation, exotic decays, and isospin symmetry in the mass A ~ 60 region**
L. Andersson
Department of Physics, Lund University

Wednesday, June 6, 2007

F10 Theoretical developments I 14:30-16:25 Room: G409

Chair: M. Ichimura, Hosei U

* **F10-1 14:30-14:55 Towards Ab-Initio Nuclear Structure Calculations Beyond the p-Shell**
R. Roth
Institut für Kernphysik, TU Darmstadt

F10-2 14:55-15:10 The tensor part of the Skyrme energy density functional
T. Lesinski
Institut de Physique Nucleaire de Lyon, CNRS-IN2P3/Universite Claude Bernard Lyon 1

F10-3 15:10-15:25 Approach to *n* - *n* correlation functions, with partial coherent emissions of Borromean halo nuclei
L. Tomio
Instituto de Física Teórica, Universidade Estadual Paulista

F10-4 15:25-15:40 Stochastic approach to correlations beyond the mean field with the Skyrme interaction
T. Nakatsukasa[1,2]
[1]Institute of Physics, University of Tsukuba, [2]Center for Computational Sciences, University of Tsukuba

F10-5 15:40-15:55 The study of nuclear structures with the Brueckner-AMD
K. Katō
Hokkaido University

F10-6 15:55-16:10 Two-nucleon transfer-intensties as a fingerprint for nuclear shape-phase transitions
R. Fossion
Dipartimento di Fisica Galileo Galilei and INFN

F10-7 16:10-16:25 Spin zero ground state dominance for even-even nuclei under random interactions
Y. Zhao
Department of Physics, Shanghai Jiao Tong University

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F11 Structure of light and medium-mass nuclei 16:45-18:30 Room: Hall B5(2)

Chair: H. Sagawa, Aizu U

F11-1 16:45-17:00 Precision Beams of Thermalized Projectile Fragments,Present and Future
P. Schury[1,2]
[1]National Superconducting Cyclotron Laboratory, Michigan State University, [2]Dept. of Physics and Astronomy, Michigan State University, East Lansing

F11-2 17:00-17:15 Magnetic moment of ^{28}P
K. Matusta
Department of Physics, Osaka Univ.

F11-3 17:15-17:30 Coulomb Excitation of Radioactive ^{21}Na with TIGRESS†
M. Schumaker
Dept. of Physics, University of Guelph

F11-4 17:30-17:45 Lifetime of the low-lying isomeric 0^+ state in ^{12}Be
S. Shimoura
Center for Nuclear Study (CNS), University of Tokyo

F11-5 17:45-18:00 Revisiting the island of inversion region: ^{32}Mg and ^{34}Si
P. Roussel-Chomaz
GANIL

F11-6 18:00-18:15 Molecular-Orbital and Di-nuclei States in Ne and F isotopes
M. Kimura
University of Tsukuba

F11-7 18:15-18:30 The second 2^+ state at $E_x \sim 10$ MeV in ^{12}C
M. Itoh
CYRIC, Tohoku University

Wednesday, June 6, 2007

F12 Theoretical developments II 16:45-18:25 Room: G409
Chair: Y. Akaishi, Nihon U

* **F12-1 16:45-17:10 Shell-model studies on exotic nuclei around ^{132}Sn**
L. Coraggio
Dipartimento di Scienze Fisiche, Università di Napoli Federico II, and Istituto Nazionale di Fisica Nucleare, Complesso Universitario di Monte S. Angelo

F12-2 17:10-17:25 Variational multiparticle-multihole configuration mixing method with the Gogny force
N. Pillet
DPTA/Service de Physique Nucleaire, CEA/DAM Ile de France

F12-3 17:25-17:40 Systematic studies of doublet bands in doubly-odd nuclei using a simple model
N. Yoshinaga
Department of Physics, Saitama University

F12-4 17:40-17:55 An exact microscopic multiphonon approach to nuclear spectroscopy
N. Iudice
Dipartimento di Scienze Fisiche, Universita di Napoli Federico II and Istituto Nazionale di Fisica Nucleare

F12-5 17:55-18:10 The nuclear matter equation of state and properties of finite nuclei
S. Shlomo
Cyclotron Institute, Texas A&M University

F12-6 18:10-18:25 Relativistic mean field and RPA with negative energy states for finite nuclei
A. Haga
RCNP, Osaka University

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F13 Structure of medium-mass nuclei III 16:45-18:30 Room: G502
Chair: W. Q. Shen, Shanghai Institute of Applied Physics

F13-1 16:45-17:00 In-Medium Antiproton Interactions and Nuclear Structure Investigations of Exotic Nuclei
H. Lenske
Institut fur Theoretische Physik, U. Giessen

F13-2 17:00-17:15 Neutron skin thickness of ^{90}Zr determined by charge exchange reactions
K. Yako
Department of Physics, University of Tokyo

F13-3 17:15-17:30 Spectroscopy of neutron-rich nuclei at REX-ISOLDE with MINIBALL
T. Kröll
Physik-Department E12, TU Munchen

F13-4 17:30-17:45 Approaching ^{78}Ni along the N=50 line utilizing deep inelastic collisions
M. Carpenter
Physics Division, Argonne National Laboratory

F13-5 17:45-18:00 Gamow-Teller β decay of proton-rich Kr isotopes in a self-consistent approach
A. Petrovici[1,2]
[1]National Institute for Physics and Nuclear Engineering, [2]Institut fur Theoretische Physik, Universitat Tubingen

F13-6 **18:00-18:15** **New techniques for probing nuclear shape around A=70**
D. Jenkins
Department of Physics, University of York

F13-7 **18:15-18:30** **Two-proton simultaneous emission from ^{29}S**
C. Lin
China Institute of Atomic Energy

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G1 Reactions of Unstable Nuclei 16:00-17:55 Room: Hall D5

Chair: C. Signorini, Padova

* **G1-1** **16:00-16:25** **(p,2p) reactions on ^{9,10,11,12,13,14,15,16}C at 250MeV/A**
T. Kobayashi
Department of Physics, Tohoku Univ.

G1-2 **16:25-16:40** **Mechanisms in knockout reactions**
D. Bazin
NSCL, Michigan State University

G1-3 **16:40-16:55** **Studies on the proton-rich exotic nucleus ^{23}Al through measurements of σ_R and $P_{//}$**
C. Ma[1,2]
[1]Shanghai Institute of Applied Physics, Chinese Academy of Sciences, [2]Graduate School of Chinese Academy of Sciences

G1-4 **16:55-17:10** **Mean-field description of the nucleus-nucleus optical potential**
D. Khoa
Institute for Nuclear Science & Technique

G1-5 **17:10-17:25** **Reaction cross section and nuclear radius in the black-sphere picture**
A. Kohama
RIKEN Nishina Center

G1-6 **17:25-17:40** **Reaction cross sections of carbon isotopes incident on proton and ^{12}C target**
W. Horiuchi
Graduate School of Science and Technology, Niigata University, Niigata

G1-7 **17:40-17:55** **Neutron correlations in ^{6}He from transfer reactions around the Coulomb barrier**
A. Shrivastava
Bhabha Atomic Research Centre

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G2 Fusion and Fission Dynamics I 18:15-20:00 Room: Hall D5

Chair: M. Hussein, Sao Paulo U

G2-1 **18:15-18:30** **Interaction at the barrier with halo RNBs: ^{11}Be + ^{209}Bi and ^{17}F+ ^{208}Pb**
C. Signorini
Physics Dept. and INFN

G2-2 **18:30-18:45** **Measurement of near barrier fusion excitation for $^{7}Li+^{28}Si$**
H. Majumdar
Saha Institute of Nuclear Physics

G2-3 **18:45-19:00** **Time-dependent description for nuclear reaction dynamics in the continuum**
K. Yabana[1,2]
[1]Center for Computational Science, University of Tsukuba, [2]Institute of Physics, University of Tsukuba

G2-4 **19:00-19:15** **First experiment on fission transients in highly fissile spherical nuclei produced by fragmentation of radioactive beams**
C. Schmitt[1,2]
[1]IPN, Universite Lyon I, [2]GSI

G2-5 **19:15-19:30** **Excitation energy dependence of fragment mass and total kinetic energy distributions in proton-induced fission of uranium isotopes**
I. Nishinaka
Advanced Science Research Center, Japan Atomic Energy Agency

G2-6 **19:30-19:45** **Dependence of scission-neutrons multiplicity and primary-fragments excitation energy on mass asymmetry in low energy fission**
N. Carjan
Centre d'Etudes Nucleaires de Bordeaux-Gradignan, CNRS/IN2P3 - Universite Bordeaux 1

G2-7 **19:45-20:00** **Properties of proton-induced fission processes on actinide nuclei at energies between 20 and 80 MeV**
R. Prieels
FNRS and Institut de Physique Nucleaire, Universite catholique de Louvain

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G3 Few Body Reactions 14:30-16:25 Room: Hall B5(1)
Chair: S. Ishikawa, Hosei

* **G3-1** **14:30-14:55** **Chiral dynamics of few-nucleon systems**
E. Epelbaum[1,2]
[1]Institut fur Kernphysik, Forschungszentrum Julich, [2]HISKP (Theorie), Univertitat Bonn

G3-2 **14:55-15:10** **Four-nucleon scattering: *ab initio* calculations in momentum space**
A. Deltuva
Centro de Fisica Nuclear da Universidade de Lisboa

G3-3 **15:10-15:25** ***NN* Renormalization in Chiral Effective Field Theory**
D. Entem
Nuclear Physics Group, University of Salamanca

G3-4 **15:25-15:40** **Evidence of three-body force effects in neutron-deuteron scattering at 95 MeV**
S. Pomp
Department of Neutron Research, Uppsala University

G3-5 **15:40-15:55** **Three Nucleon Force Study via *dp* Breakup Reactions at Intermediate Energies**
K. Sekiguchi
RIKEN

G3-6 **15:55-16:10** **Three-nucleon system dynamics studied by the deuteron-proton breakup**
S. Kistryn
Jagiellonian University

G3-7 **16:10-16:25** **Tensor Analyzing Powers of *pd* Radiative Capture**
Y. Tameshige
Reseach Centert for Nuclear Physics, Osaka University

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G4 Few-Body and Light-Ion Reactions 16:45-18:30 Room: Hall B5(1)
Chair: K. Sagara, Kyushu U

G4-1 **16:45-17:00** **Relativistic Three-Body Scattering in First Order Faddeev Formulation**
C. Elster
Department of Physics and Astronomy, Ohio University

G4-2 **17:00-17:15** **Few-body reactions and the sampling method**
P. Engblom
Dep.of Nucl. and Part. Physics,Uppsala University

G4-3 **17:15-17:30** **Spin-orbit potential in ^{6}He studied with polarized proton target**
S. Sakaguchi
Center for Nuclear Study, University of Tokyo

G4-4 **17:30-17:45** **Isovector effective *NN* interaction in ^{28}Si($\vec{p}$,$\vec{n}$)^{28}P(6$^-$) at 198 MeV**
T. Wakasa
Department of Physics, Kyushu University

G4-5 **17:45-18:00** **Reaction mechanism for proton-induced alpha and ^{3}He emission into the continuum at incident energies between 100 and 200 MeV**
A. Cowley[1,2]
[1]University of Stellenbosch, [2]iThemba Laboratory for Accelerator Based Science

G4-6 **18:00-18:15** **Screening potential for low-energy deuteron-nucleus collisions in quantum electron plasmas**
J. Kasagi
Laboratory of Nuclear Science, Tohoku University

G4-7 **18:15-18:30** **Quantum Plasma Nuclear Fusion Theory for Anomalous Enhancement of Nuclear Reaction Rates Observed at Low Energies with Metal Targets**
Y. Kim
Purdue Nuclear and Many.Body Theory Group (PNMBTG) Department of Physics, Purdue University

Wednesday, June 6, 2007

G5 Light-Ion Reactions and Reaction Mechanism 14:30-16:25 Room: Hall B5(1)
Chair: H. Sakuragi, Osaka City U

* **G5-1** **14:30-14:55** **Full coupled-channel description of three-body and four-body breakup reactions**
K. Ogata
Department of Physics, Kyushu University

G5-2 **14:55-15:10** **Analysis of elastic and inelastic cross sections for deuteron induced reactions within the CDCC framework.**
H. Chau
CEA

G5-3 **15:10-15:25** **Coulomb breakup of ^{8}B within a dynamical eikonal approximation**
P. Capel
Physique Quantique C.P.165/82,Physique Nucleaire Theorique et Physique Mathematique, Universite Libre de Bruxelles

G5-4 **15:25-15:40** **Study of α + ^{12}C elastic and inelastic scattering at 60 and 110 MeV**
A. Demyanova
Kurchatov Institute

G5-5 **15:40-15:55** **α inelastic scattering on ^{12}C and ^{16}O exciting to α condensate state**
M. Takashina
Yukawa Institute for Theoretical Physics, Kyoto University

G5-6 **15:55-16:10** **Nuclear rainbow minima systematic in light heavy ion scattering**
A. Ogloblin
Kurchatov institute

G5-7 **16:10-16:25** **Precise determination of the Gamow-Teller unit cross section of the (*p, n*) reaction at 137, 198, and 297 MeV**
M. Sasano
The University of Tokyo

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G6 Nuclear Fragmentation and Equation of State 14:30-16:25 Room: G502
Chair: M. Di Toro, Catania U

* **G6-1** **14:30-14:55** **Probing the nuclear EOS with fragment production**
M. Colonna[1,2]
[1]LNS-INFN, [2]Physics and Astronomy Dept. University of Catania

G6-2 **14:55-15:10** **Bimodality: a sign of a Liquid-Gas Phase Transition or of a Critical Phenomenon?**
A. LeFévre
GSI

G6-3 **15:10-15:25** **Bimodality in spectator fragmentation**
W. Trautmann
GSI

G6-4 **15:25-15:40** **In-medium properties of nuclear fragments at the liquid-gas phase coexistence**
A. Botvina[1,2,3]
[1]Institute for Nuclear Research, Russian Academy of Sciences, [2]Gesellschaft für Schwerionenforschung, [3]Frankfult Institute for Advanced Studies, J.W. Gohte University

G6-5 **15:40-15:55** **Dynamical multifragmentation as seen by the CHIMERA detector**
P. Russotto
LNS Catania

G6-6 **15:55-16:10** **Dynamical aspects of multifragmentation**
A. Ono
Department of Physics, Tohoku University

G6-7 **16:10-16:25** **Collective flow in heavy ion collisions at intermediate energies.**
W. Trautmann
GSI

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G7 Fusion and Fission Dynamics II 16:45-18:30 Room: Hall B5(1)

Chair: K. Yabana, Tsukuba U

G7-1 **16:45-17:00** **Orientation effects of deformed ^{238}U target nuclei on the fusion probability for heavy element synthesis**
K. Nishio
Japan Atomic Energy Agency (JAEA)

G7-2 **17:00-17:15** **Existence of One-Body Barrier Revealed in Deep Sub-Barrier Fusion**

T. Ichikawa
RIKEN

G7-3 **17:15-17:30** **A new phenomenon-heavy-ion fusion hindrance at extreme sub-barrier energies**
C. Jiang
Physics Division, Argonne National Laboratory

G7-4 **17:30-17:45** **Heavy-ion reactions at deep subbarrier energies**
K. Hagino
Department of Physics, Tohoku University

G7-5 **17:45-18:00** **Probing nuclear dynamics in ^{200}Pb* via evaporation residue cross section and spin distribution measurements**
P. Shidling
Department of Physics, Karnatak University

G7-6 **18:00-18:15** **Extended optical model analyses of elastic scattering and fusion cross sections for loosely bound projectile systems at near-Coulomb-barrier energies**
S. Hong
Department of Physics, Sungkyunkwan University

G7-7 **18:15-18:30** **Effect of shell structure in fusion process synthesizing superheavy elements**
Y. Aritomo
Flerov Laboratory of Nuclear Reactions, JINR

Tuesday, June 5, 2007

H1 Astrophysical Nuclear Reactions I 14:30-16:25 Room: G701

Chair: R. Tribble, Texas A&M U

* **H1-1 14:30-14:55 Review on experimental effort with direct approach with RI beams**
L. Buchmann
TRIUMF

H1-2 14:55-15:10 Indirect techniques in nuclear astrophysics
G. Rogachev
Florida State University

H1-3 15:10-15:25 Direct measurement of the ^{14}O *(α , p)* ^{17}F cross section by an ^{14}O beam
A. Kim
Ewha Womans University

H1-4 15:25-15:40 A systematic study of astrophysical nuclear reaction rates via ^{8}Li
H. Ishiyama
IPNS, KEK

H1-5 15:40-15:55 Progress and plan for indirect measurements for astrophysical r-process and its relation with shell quenching
W. Liu
CIAE, China Institute of Atomic Energy

H1-6 15:55-16:10 Astrophysical S-factor of the ^{3}He(α, γ)^{7}Be reaction measured at low energy via prompt and delayed γ emission
P. Prati
Universita degli Studi Genova & INFN Genova

H1-7 16:10-16:25 Nuclear astrophysics studies using low-energy ^{7}Be beams at CRIB
H. Yamaguchi
Center for Nuclear Study, University of Tokyo

Tuesday, June 5, 2007

H2 Astrophysical Nuclear Reactions II 16:45-18:25 Room: G701

Chair: B. R. Fulton, York U

* **H2-1 16:45-17:10 Experimental studies of r-process nuclei at the National Superconducting Cyclotron Laboratory**
J. Pereira[1,2]
[1]National Superconducting Cyclotron Laboratory, Michigan State University, [2]Joint Institute of Nuclear Astrophysics (JINA), Michigan State University

H2-2 17:10-17:25 Study of photonuclear reactions relevant for light-element synthesis by means of NewSUBARU real photon beam
T. Shima
Research Center for Nuclear Physics, Osaka University

H2-3 17:25-17:40 Nuclear cosmic clock of neutrino induced-reaction process
T. Hayakawa[1,2]
[1]Kansai Photon Science Institute, Japan Atomic Energy Agency, [2]National Astronomical Observatory, Osawa

H2-4 17:40-17:55 Neutrino nucleosynthesis of the exotic, odd-odd nuclei ^{138}La and ^{180}Ta*
A. Byelikov
Institut fur Kernphysik, Technische Universitat Darmstadt

H2-5 17:55-18:10 Systematic study for the shell effect in the fission fragment mass distribution ruptured from neutron rich nuclei
M. Ohta
I Department of Physics, Konan University

H2-6 18:10-18:25 high-precision mass measurements of rp-process nuclei near N=Z=33
P. Schury[1,2]
[1]National Superconducting Cyclotron Laboratory, East Lansing, [2]Department of Physics and Astronomy, East Lansing

Wednesday, June 6, 2007

H3 Explosive Nucleosynthesis and the Environment 14:30-16:25 Room: G701

Chair: A. Mengoni, IAEA

* **H3-1 14:30-14:55 Nuclear Physics in Explosire Processes**
T. Kajino
NAO

H3-2 14:55-15:10 Photoneutron cross sections for ^{80}Se: implications for s-process thermometer
A. Makinaga
Department of Physics, Konan University

H3-3 15:10-15:25 Progress in β half-lives measurements of nuclei approaching the r-process waiting point at A=195
J. Benlliure
Universidad de Santiago de Compostela

H3-4 15:25-15:40 Radioactive beams & software tools for frontier stellar explosions studies
M. Smith
Physics Division, Oak Ridge National Laboratory

H3-5 15:40-15:55 Measurement of the ^{90,91,92,93,94,96}Zr(n,γ) cross-sections at n_TOF
P. M. Milazzo
Instituto Nazionale di Fisica Nucleare

H3-6 15:55-16:10 Astrophysical sites for the main and weak r-processes
K. Otsuki
Department of Astronomy and Astrophysics, University of Chicago

H3-7 16:10-16:25 Impact of equation of state on core-collapse supernovae: Neutrino signature of black hole formation
K. Sumiyoshi[1,2]
[1]Numazu College of Technology, [2]Division of Theoretical Astronomy, National Astronomical Observatory of Japan

Wednesday, June 6, 2007

H4 Neutrino Process and High Density Matter 16:45-18:25 Room: G701

Chair: T. Tatsumi, Kyoto U

* **H4-1 16:45-17:10 Weak interaction processes in stars**
G. Martínez-Pinedo
Gesellschaft für Schwerionenforschung

H4-2 17:10-17:25 Neutrino-nucleus reactions based on recent advances in shell-model calculations
T. Suzuki
Department of Physics, College of Humanities and Sciences, Nihon University

H4-3 17:25-17:40 Properties of stellar matter in supernova explosions and nuclear multifragmentation
I. Mishustin[1,2]
[1]Frankfurt Institute for Advanced Studies, J.W. Goethe University, [2]Kurchatov Institute, Russian Research Center

H4-4 17:40-17:55 Equation of state of nuclear matter and nuclei in laboratories and neutron -star crusts
K. Oyamatsu[1,2]
[1]Department of Media Theories and Production, Aichi Shukutoku University, [2]RIKEN Nishina Center

H4-5 17:55-18:10 Hyperon-Quark Mixed Phase in Compact Stars
T. Maruyama
ASRC, Japan Atomic Energy Agency

H4-6 **18:10-18:25** **Investigation of nucleossynthesis ^{8}Li(n,γ)^{9}Li and ^{8}Li(p,γ)^{9}Be capture reactions by using ^{8}Li induced transfer reactions on ^{9}Be.**
V. Guimaraes
University of Sao Paulo

Tuesday, June 5, 2007

I1 Nuclear Application 16:45-18:30 Room: G502
Chair: H. Harada, JAEA

I1-1 **16:45-17:00** **Antineutrinos and Non -Proliferation via the Double-Chooz experiment**
D. Lhuillier
CEA Saclay, DAPNIA/SPhN

I1-2 **17:00-17:15** **Nuclear Physics and Astrophysics at CERN n_TOF**
A. Mengoni
IAEA Nuclear Data Section

I1-3 **17:15-17:30** **Nuclear reaction models in a particle and heavy ion transport code system; PHITS**
K. Niita
Research Organization for Information Science & Technology (RIST)

I1-4 **17:30-17:45** **Study of fragmentation of therapeutic carbon beams with emulsion**
T. Toshito[1,2]
[1]High Energy Accelerator Research Organization (KEK), [2]CREST, Japan Science and Technology Agency (JST)

I1-5 **17:45-18:00** **Visualization of field definition and dose distribution in Accurate Radiotherapy**
G. Song
Institute of Plasma Physics, Chinese Academy of Sciences

I1-6 **18:00-18:15** **Studying actinide fission using the surrogate ratio method**
J. Burke
Lawrence Livermore National Laboratory

I1-7 **18:15-18:30** **Cosmic-rays induced single-event upsets in microelectronics and related nuclear reaction database**
Y. Watanabe
Department of Advanced Energy Engineering Science, Kyushu University

Monday, June 4, 2007

J1 New Technologies on Detectors and Beams 16:00-18:00 Room: G502
Chair: A. Taketani, RIKEN

J1-1 **16:00-16:15** **The new heavy-ion MCP-based ancillary detector DANTE for the CLARA-PRISMA setup.**
J. Valiente–Dobón
Istituto Nazionale di Fisica Nucleare, Laboratori Nazionali di Legnaro

J1-2 **16:15-16:30** **Nondestructive Measurement of Charged Particles**
K. Homma
PhysicalScience, GraduateSchoolofScience, HiroshimaUniversity

J1-3 **16:30-16:45** **AGATA - The Advanced GAmma Tracking Array**
A. Gadea
INFN-LNL, Legnaro, Italy

J1-4 **16:45-17:00** **Position sensitive monolithic silicon telescopes**
F. Amorini[1,2]
[1]INFN - Laboratori Nazionali del Sud, [2]Dipartimento di Fisica and Astronomia Universita di Catania

J1-5 **17:00-17:15** **Vertex Tracker Upgrade of PHENIX detector**
Y. Onuki
RIKEN

J1-6 **17:15-17:30** **Hadron identification via energy loss measurements of the HADES multi-wire drift chambers**
A. Schmah[1,2]
[1]Gesellschaft fur Schwerionenforschung mbH, [2]Technische Universitat Darmstadt

J1-7 **17:30-17:45** **First experimental demonstration of optical stochastic cooling with the MIT-Bates South Hall Ring**
S. Steadman
Massachusetts Institute of Technology Laboratory for Nuclear Science Cambridge and MIT-Bates Accelerator Center

J1-8 **17:45-18:00** **Hyperfine structure of ^{85,87}Rb and ^{133}Cs atoms in superfluid helium**
T. Furukawa
The Institute of Physical and Chemical Research (RIKEN)

Monday, June 4, 2007

J2 RI Sources, Today and Tomorrow 18:15-20:15 Room: G502
Chair: S. C. Jeong, KEK

J2-1 **18:15-18:30** **The TITAN at ISAC, physics program and status**
J. Dilling
TRIUMF

J2-2 **18:30-18:45** **Intermediate energies tagged RIBs facility @LNS**
E. Rapisarda[1,2]
[1]Dipartimento di Fisica e Astronomia, Università di Catania, [2]INFN: Sezione di Catania and Laboratori Nazionali del Sud

J2-3 **18:45-19:00** **The HIE-ISOLDE project**
L. Fraile
PH Department, CERN

J2-4 **19:00-19:15** **Study of medium mass nuclei toward to the neutron drip line with RFIGISOL system**
Y. Miyashita
Department physics, Tohoku University

J2-5 **19:15-19:30** **The TRI$_\mu$P facility for trapping of radioactive atoms**
H. Wilschut
Kernfysisch Versneller Instituut, University of Groningen

J2-6 **19:30-19:45** **Production of light radioisotopes for nuclear astrophysics**
M. Hass
The Weizmann Institute

J2-7 **19:45-20:00** **Developments for intensive short-lived carbon and nitrogen beams.**
H. Frånberg[1,2]
[1]Paul Scherrer Institut, [2]ISOLDE/CERN

J2-8 **20:00-20:15** **Laser spectroscopy of trapped Be isotopes at a prototype slow RI-beam facility of RIKEN**
M. Wada
RIKEN

Wednesday, June 6, 2007

J3 Coming New Facilities I 14:30-16:10 Room: Hall C
Chair: Y. Yano, RIKEN

* **J3-1 14:30-14:55 J-PARC Project**
T. Nagae
KEK

* **J3-2 14:55-15:20 Future Research Program at JLab: 12 GeV and Beyond**
K. de Jager
Jefferson Laboratory

* **J3-3 15:20-15:45 FAIR – recent developments and status**
W. Henning
GSI

* **J3-4 15:45-16:10 The ALICE Experiment at the LHC**
E. Vercellin
Dipartimento di Fisica Sperimentale dellUniversita di Torino and INFN Torino

Wednesday, June 6, 2007

J4 Coming New Facilities II 16:45-18:25 Room: Hall C
Chair: J Nolen, Argonne National Laboratory

* **J4-1 16:45-17:10 The SPIRAL 2 Project**
M. Lewitowicz
GANIL

* **J4-2 17:10-17:35 RI Beam Factory Project at RIKEN**
H. Sakurai
RIKEN Nishina Center, RIKEN

* **J4-3 17:35-18:00 HIRFL Today**
W. Zhan
Institute of Modern Physics, CAS

* **J4-4 18:00-18:25 Status of a Rare Isotope Beam Facility in the United States**
R. Tribble
Cyclotron Institute, Texas A&M University

Monday, June 4, 2007

Nuclear Structure-1 16:00-20:00 Room: Hall B5 Lobby

QM-001 Structures and Transitions of Exotic Nuclei in Extended Correlation Models
M. Tomaselli[1,2]
[1]Institute of Nuclear Physics, Darmstadt University, [2]GSI Gesellschaft fur Schwerionenforschung

QM-002 RELATIVISTIC FORMALISM AS A FINE INSTRUMENT FOR APPLYING THE NOBEL YUKAWA'S CONCEPT TO FINITE NUCLEI
L. Savushkin
State University Telecom

QM-003 In beam γ-ray spectroscopy of ^{52}Cr
R. Kumar
Department of Physics, Panjab University

QM-004 A translationally invariant treatment of density and momentum distributions in nuclei with short-range correlations (SRC) included
P. Grygorov
Department of Physics and Technology, Kharkov National University, Ukraine

QM-005 **Coupled SU(3) models of rotational states in nuclei and quasi-dynamical symmetry**
G. Thiamova[1,2]
[1]Department of Applied Mathematics, University of Waterloo, [2]Nuclear Physics Institute, Czech Academy of Sciences

QM-006 **Fully self-consistent HF based RPA calculations of long-range correlation effects on nuclear charge radii**
T. Sil
Cyclotron Institute, Texas A&M University

QM-007 **Unique radioactivity is found in spinning silver**
I. Mukha
Unversity of Seville

QM-008 **R1C12 Diagram for the Nucleonic Structure of Nuclei**
W. Ratemi
Nuclear Engineering Department, Alfateh University

QM-009 **withdrawal**

QM-010 **To the problem of the correct calculation of the Coulomb repulsive of charged particles in nuclei**
A. Cherkasov
Kharkov National University

QM-011 **Non-borromean halo nuclei: trajectory of neutron-neutron-core energy in the complex plane**
M. Yamashita
Universidade Estadual Paulista

QM-012 **Transition Energies of Superdeformed Nuclei in the A ~190 Region**
H. Alharbi
National Centre for Mathematis and Physics, KACST

QM-013 **Thermal properties of symmetric nuclear and neutron matter**
M. Ghazanfari. Mojarad
Physics Department, University of Tehran

QM-014 ***Ab initio* calculations with low-momentum potentials in a model-space truncation approach**
L. Coraggio
Dipartimento di Scienze Fisiche, Università di Napoli Federico II, and Istituto Nazionale di Fisica Nucleare, Complesso Universitario di Monte S. Angelo

QM-015 **Exotic shape transition in rotating Ti isotopes**
V. Ramasubramanian
School of Science and Humanities, VIT University

QM-016 **Proton radioactivity from deformed proton emitters**
V. Ramasubramanian
School of Science and Humanities, VIT University

QM-017 **Single and double beta decay in deformed nuclei**
O. Moreno
Instituto de Estructura de la Materia, C.S.I.C.

QM-018 **withdrawal**

QM-019 **Multi-quasiparticle excitations in ^{139}Pr**
S. Chanda[1,2]
[1]Department of Physics, Fakir Chand College, [2]Variable Energy Cyclotron Centre

QM-020 **The Investigation Of Superallowed Beta Decay By Pyatov Method**
N. Cakmak
Anadolu University, Faculty of Science, Physics Department

QM-021 **The Investigation Of Isospin Structure Of The Isobar Analogue Resonances By Pyatov Method**
C. Selam
Anadolu University

QM-022 **Single term energy expression for g-band in light Te-Gd nuclei**
H. Mittal
Dr. B. R. Ambedkar National Institute of Technology

QM-023 **Recent results from VBLHE-JINR on spin effects in few-nucleon systems**
V. Ladygin
Joint Institute for Nuclear Research

QM-024 **Projected Shell Model study of ground state bands in neutron-rich Zr and Mo Isotopes**
R. Devi
Department of Physics and Electronics, University of Jammu

QM-025 **Cluster-Model description of superdeformed bands in ^{38}Ar**
T. Sakuda
Department of Physics, Miyazaki University

QM-026 **Structure of heaviest nuclei within cluster model**
G. Adamian
Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research

QM-027 **Two-, three-and four-body clusters in a close-packed nuclear lattice**
N. Cook
Department of Informatics, Kansai University

QM-028 **withdrawal**

QM-029 **Nature of one-and two-phonon mixed symmetry states in ^{92}Zr and ^{94}Mo from high-resolution electron and proton scattering***
O. Burda
Institut fur Kernphysik, Technische Universitat Darmstadt

QM-030 **Symmetric and non-symmetric muonic atoms-molecules Studies**
S. Mohammdi
Physics Department, Payam Nour University

QM-031 **Dyson Boson Mapping and Shell-Model Calculations for Even-Even Nuclei**
S. Tazaki
Department of applied Physiscs, Fukuoka University

QM-032 **Estimate of lowest bound of energies for random two-body interactions and spin-zero dominance**
N. Yoshinaga
Department of Physics, Saitama University

QM-033 **Relativistic G-matrix with negative energy states and spin-orbit interaction**
H. Toki
RCNP, Osaka University

QM-034 **Experimental study of exotic clusterings in exotic nuclei in reactions of quasi-free knockout**
S. Sidorchuk
Flerov Laboratory of Nuclear Reactions, JINR

QM-035 **withdrawal**

QM-036 **Microscopic description of doubly-odd nuclei with mass approximately 100**
K. Higashiyama
Department of Physics, Chiba Institute of Technology

QM-037 **Cooper pairs in the nucleus**
J. Dukelsky
Instituto de Estructura de la Materia, CSIC

QM-038 **Study in full kinematics of the 2.43 MeV state in ^{9}Be**
O. Tengblad
Instituto de Estructurade la Materia, CSIC

QM-039 **withdrawal**

QM-040 **Self-consistent Green's function studies of finite nuclei**
C. Barbieri
Gesellschaft fur Schwerionenforschung

QM-041 **Preliminary results on ^{18}Ne Diproton decay**
E. Rapisarda
Dipartimento di Fisica e Astronomia, Università di Catania and INFN-Sezione di Catania

QM-042 **Exact solutions for nuclear pairing models**
S. Rombouts
University of Ghent -UGent dept. of Subatomic and Radiation Physics

QM-043 **Geometry of Borromean Halo Nuclei**
M. Hussein
Instituto de Fisica, Universidade de Sao Paulo

QM-044 **Neutron skin thickness and nuclear matter properties in mean field models**
S. Yoshida
Science Research Center, Hosei University

QM-045 **Bethe-Salpeter approach for the deuteron with the inclusion of negative energy states**
Y. Manabe
Research Center for Nuclear Physics(RCNP), Osaka University

QM-046 **Current understanding of the pseudospin symmetry in atomic nuclei**
S. Marcos
Departamento de Física Moderna, Universidad de Cantabria

QM-047 **Dependence of the nuclear level density on pairing correlations, angular momentum and parity**
K. Van Houcke
Vakgroep Subatomaire en Stralingsfysica, Universiteit Gent

QM-048 **NUCLEAR MOMENTS OF THE RADIOACTIVE ISOTOPE ^{131}La DETERMINED BY COLLINEAR FAST-BEAM LASER SPECTROSCOPY**
H. Schuessler
Texas A&M University

QM-049 **Three-body model calculations for ^{16}C nucleus**
H. Sagawa
Center for Mathematical Sciences, University of Aizu

QM-050 **Tensor-optimized shell model and its applications to He-isotopes**
T. Myo
RCNP, Osaka University

QM-051 **Strongly deformed triaxial structure and top-on-top mechanism**
K. Sugawara-Tanabe
Otsuma Womens University

QM-052 **Charge and matter distributions and form factors in neutron-rich nuclei**
D. Kadrev
Institute for Nuclear Research and Nuclear Energy

QM-053 **Neutron-deficient and neutron-rich isotopes Fe , Ni and Zn near the drip-line**
V. Pilipenko
National Scientific Centre KIPT

QM-054 **Spectrum of ^{12}C obtained via three-dimensional configuration space Faddeev equations**
M. Lekala
Department of Physics, University of South Africa

QM-055 **Study on *M1* Quenching Mechanism in ^{28}Si**
H. Matsubara
Research Center for Nuclear Physics, Osaka University

QM-056 **Energy distributions from three-body decaying ^{12}C resonances**
R. Alvarez-Rodriguez
Institut for Fysik og Astronomi, Aarhus Universitet

QM-057 **Magnetic moments and spins of ^{27,29,31,33}Mg - the ˝island of inversion˝ probed with laser and beta-NMR spectroscopy**
M. Kowalska
CERN

QM-058 **Evolution of the spin-orbit splitting in the ^{48}Ca and the ^{208}Pb nuclei with the evacuation of the $s_{½}$ proton orbits in a relativistic Hartree-Fock calculation**
M. Lopez-Quelle
Departamento de Física Aplicada, Universidad de Cantabria

QM-059 **Elastic scattering cross sections for the ^{3}*He(e,e)* reaction from Q^2 =1.3F^{-2} to 19F^{-2}**
K. Aniol
California State University, Los Angeles

QM-060 **Towards Effective Interaction Renormalization for No-Core Shell Model**
A. Lisetskiy
Department of Physics, University of Arizona

QM-061 **withdrawal**

QM-062 **Two-Neutron Transfer Reaction of ^{11}Li at ISAC II**
I. Tanihata
TRIUMF

QM-063 **Spectroscopy of neutron-rich ^{187,188}W populated in ^{18}O-induced transfer reactions**
T. Shizuma
Japan Atomic Energy Agency

QM-064 **Recent topics in unstable nuclei studied with a three-body model**
W. Horiuchi
Graduate School of Science and Technology

QM-065 **Isomeric states in stable and neutron-rich odd-*A* Sb and I isotopes**
H. Watanabe
Department of Nuclear Physics, R.S.Phys.S.E., Australian National University

QM-066 **Treatment of the continuum states in the Woods-Saxon Strutinsky method**
S. Takahara
School of Medicine, Kyorin University

QM-067 **Microscopic Dynamics of Shape Coexistence Phenomena around ^{68}Se and ^{72}Kr**
N. Hinohara
Department of Physics, Graduate School of Science, Kyoto University

QM-068 **Continuum quasiparticle linear response theory using the realistic Skyrme functional for multipole response of exotic nuclei**
K. Mizuyama
Graduate School of Science and Technology, Niigata University

QM-069 **Mean-field approach to nuclear structure with semi-realistic interaction**
H. Nakada
Department of Physics, Chiba University

Tuesday, June 5, 2007

Nuclear Structure-2 14:30-18:30 Room: Hall B5 Lobby

QT-001 **Multi-quasiparticle Isomers and K-Conservation Paths in Stable and neutron-rich Yb and Lu Isotopes***
G. Dracoulis
Department of Nuclear Physics, R.S.Phys.S.E., Australian National University

QT-002 **withdrawal**

QT-003 **Soft $K^{\pi}=0^{+}$ modes unique to deformed neutron-rich unstable nuclei**
K. Yoshida
Department of Physics, Graduate School of Science, Kyoto University

QT-004 **Yrast spectroscopy of neutron-rich *fp*-shell nuclei: deformation and the $g_{9/2}$ orbital**
A. Deacon
Schuster Laboratory, University of Manchester

QT-005 **Isospin mixing by interference in mirror pairs: a test of isospin symmetry breaking in ^{67}Se and ^{67}As**
R. Orlandi
Laboratori Nazionali di Legnaro dellINFN

QT-006 **Rotational motion in nuclei with di-neutron superfluidity**
M. Yamagami
Radioactive Isotope Physics Laboratory, RIKEN

QT-007 **Shell model study of neutron rich oxygen isotopes**
P. Srivastava
Nuclear Physics Group, Department of Physics, University of Allahabad

QT-008 **On relativistic analysis of the exclusive electrodisintegration of the deuteron**
S. Bondarenko
Joint Institute for Nuclear Research

QT-009 **withdrawal**

QT-010 **Renormalization Group Analysis and Power Counting for Singular Potentials**
M. Valderrama
Departamento de F.sica Atomica, Molecular y Nuclear, Universisad de Granada Campus de Fuentenueva

QT-011 **Charged-particle channels in the β-decay of ^{11}Li**
R. Raabe
Instituut voor Kern-en Stralingsfysica, K.U.Leuven

QT-012 **The massless linear sigma model with the Coleman-Weinberg mechanism in finite nuclei and at finite temperature**
S. Tamenaga
Research Center for Nuclear Physics (RCNP), Osaka University

QT-013 **Relativistic chiral mean field model with projection for finite nuclei**
Y. Ogawa
Research Center for Nuclear Physics(RCNP), Osaka University

QT-014 **Indication of BCS-BEC crossover behavior in halo nuclei**
K. Hagino
Department of Physics, Tohoku University

QT-015 **Exploring the Decay of Clusters via Resonant Radiative Capture Measurements**
S. Courtin
IPHC -DRS, ULP, CNRS, IN2P3

QT-016 **Decay spectroscopy on isobarically and isomerically pure beams with ISOLTRAP**
M. Kowalska
CERN

QT-017 **Coulomb Excitation of ^{20}Mg**
N. Iwasa
Department of Physics, Tohoku University

QT-018 **Medium polarization and proximity effects on pairing in the inner crust of neutron stars**
S. Baroni[1,2]
[1]INFN, Sezione di Milano, [2]Dipartimento di Fisica, Universit`a degli Studi

QT-019 **On the connection between the density dependence of the pairing interaction and the properties of low-lying surface modes**
A. Pastore
INFN, Sezione di Milano

QT-020 **Tilted axis rotation and wobbling motion in the framework of three-dimensional cranked HFB**
Y. Hashimoto
Graduate School of Pure and Applied Science, University of Tsukuba

QT-021 **Multicluster description with microscopic nonlocal potentials**
Y. Fujiwara
Department of Physics, Kyoto University, Kyoto 606-8502, Japan

QT-022 **Coulomb excitation of radioactive ion beams at SPIRAL**
W. Korten
Dapnia/SPhN, CEA

QT-023 **Deformation in neutron-rich Ti, Cr and Fe isotopes in the 2D Skyrme-Hartree-Fock-Bogoliubov approach**
H. Ooba
Graduate School of Science and Technology, Niigata University

QT-024 **Gamma spectroscopy of neutron-rich nuclei with the CLARA/PRISMA setup**
E. Farnea
INFN, Sezione di Padova

QT-025 **Onset of deformation at N = 112 in ^{195}Bi**
S. R. Banerjee
Variable Energy Cyclotron Centre

QT-026 **Onset of well-deformed structure in ^{107}In**
E. Ideguchi
Center for Nuclear study, the University of Tokyo

QT-027 **Cluster-orbital shell model approach for weakly bound systems**
H. Masui
Information Processing Center, Kitami Institute of Technology

QT-028 **withdrawal**

QT-029 **Small electric quadrupole moment of ^{32}Al: Drastic shape transition between ^{32}Al and ^{31}Mg**
D. Kameda
RIKEN

QT-030 **Exotic structure of excited states in nuclei near the β-stability line**
J. Chen
Shanghai Institute of Applied Physics

QT-031 **Effect of pairing fluctuations on thermal properties of nuclei**
Z. Kargar
Physics Department, College of Sciences, Shiraz University

QT-032 **Experimental study of the ^{32m}Al isomeric moment**
K. Takase
Department of Physics, Tokyo Institute of Technology

QT-033 **Investigation of the new extension of nuclear level density formula**
Z. Kargar
Physics Department, College of Sciences, Shiraz University

QT-034 **An eigenvalue spectrum of a particle in the nuclear mean field including spin orbit coupling: A.semiclassical view**
S. Malik
Department of.Physics,..G..N..D..University

QT-035 **Linear response calculations in the time-dependent Skyrme density functional**
T. Nakatsukasa[1,2]
[1]*Institute of Physics, University of Tsukuba,* [2]*Center for Computational Sciences, University of Tsukuba*

QT-036 **A T = 1 pairing gap in odd-odd N = Z nuclei**
C. Lister
Physics Division, Argonne National Laboratory

QT-037 **Di-trinucleon resonance states of the *A*=6 systems in a microscopic cluster model**
K. Arai
Division of General Education, Nagaoka National College of Technology

QT-038 **Proton inelastic scattering study on the very neutron-rich nuclei located in the *sd-pf* region.**
S. Michimasa
Center for Nuclear Study, University of Tokyo

QT-039 **Resonance states of ^{12}C in a microscopic cluster model**
K. Arai
Division of General Education, Nagaoka National College of Technology

QT-040 **Precision measurements of the reaction cross-sections for the A =3 mirror nuclei at intermediate energies**
T. Yamaguchi
Department of Physics, Saitama University

QT-041 **Density Functional Theory and the beta-Response of Nuclei**
A. Ataie
Institutfur Theoretische Physik Justus-Liebig-Universitat Giessen

QT-042 **Correlations in Nuclear Matter in a Relativistic Density Dependent Hadron Field Theory**
A. Fedoseew
Institutfur Theoretische Physik, Universitat Giessen

QT-043 **Structure of Normal-deformed and Superdeformed bands in a microscopic model**
C. Praharaj
Institute of Physics

QT-044 **Isospin mixing and three-body decay exemplified by the 2^+ resonance in ^{6}Li**
H. Fynbo
Department of Physics and Astronomy, University of Aarhus

QT-045 **Rotation around the longest principle axis in ^{142}Gd**
B. Carlsson
Math. Phys., Lund Univ.

QT-046 **Spectroscopy of neutron-rich nuclei in the A≈60 region**
F. Vedova
INFN, Legnaro National Laboratories

QT-047 **Shell model description of low-lying states of ^{111}Sb and ^{112}Sb**
E. Dikmen[1,2]
[1]Suleyman Demirel University, Department of Physics, [2]The Universityof Arizona, Department of Physics

QT-048 **Conversion coefficients for nuclear structure research and beyond**
T. Kibédi
Department of Nuclear Physics, Research School of Physical Sciences and Engineering, The Australian National University

QT-049 **Will neutron emission, from nuclei beyond the neutron drip-line be observed?**
L. Ferreira[1,2]
[1]Centro de F.sica das Interacc.oes Fundamentais, Instituto Superior Tecnico, [2]Departmento de F.sica, Instituto Superior Tecnico

QT-050 **Single-α orbits and α condensation in ^{12}C and ^{11}B**
T. Yamada
Laboratory of Physics, Kanto Gakuin University

QT-051 **Spin-orbit splittings in ^{13}C and ^{13}N with the nature of the Hoyle state in ^{12}C**
P. Schuck
Institut de Physique Nucleaire

QT-052 **Tilting instability - bridge from wobbling motion to tilted axis rotation -**
M. Matsuzaki
Department of Physics, Fukuoka University of Education

QT-053 **Microscopic study of the wobbling and low-lying quadrupole motions**
T. Shoji
Department of Physics, Graduate School of Sciences, Kyushu University

QT-054 **The investigation of energetic spectrum, nuclear composition of initial cosmic rays in the region of energy 10^{15}-10^{16} eV and fluctuations in the number of patricles in EAS**
T. Alimov
Uzbekistan, Samarkand State University

QT-055 **Collectivity of pygmy resonance in spherical and deformed Ni and Fe isotopes**
T. Inakura
Institute of Physics, University of Tsukuba

QT-056 **Electric quadrupole moment measurement using a new RF-application system**
D. Nagae
Department of Physics, Tokyo Institute of Technology

QT-057 **The unitary-model-operator approach to structure of exotic nuclei**
S. Fujii
Center for Nuclear Study (CNS), University of Tokyo, Wako Campus of RIKEN

QT-058 **Effects of the proton-neutron pairing on the proton- and neutron- rich nuclei by the deformed BCS approach**
M. Cheoun
Dept. of Physics, Soongsil University

QT-059 **Low temperature nuclear orientation of radioactive nuclei. Possibilities, some results, perspectives.**
M. Finger[1,2]
[1]Charles University in Prague, Faculty of Mathematics and Physics, [2]Joint Institute for Nuclear Research, Laboratory of Nuclear Problems

QT-060 **Isovector Quadrupole Excitations of the Valence Shell studied in Projectile Coulomb Excitation**
N. Pietralla
Institut fur Kernphysik, Technische Universitat Darmstadt

QT-061 **Soft dipole resonant pole position in ^{6}He by using a new method for broad resonances: ACCC+CSM.**
S. Aoyama
Integrated Information Processing Center, Niigata University Niigata

QT-062 **Di-Neutron Correlations in Super Neutron-Rich Nuclei, $^{4\text{-}7}$H**
S. Aoyama
Integrated Information Processing Center, Niigata University

QT-063 **A systematic analysis of t+t components in He-isotopes by using a new AMD approach.**
S. Aoyama
Integrated Information Processing Center, Niigata University

Tuesday, June 5, 2007

Hadrons in Nuclei 14:30-18:30 Room: B1 Lobby Gallery

QT-101 **withdrawal**

QT-102 **Spin structure functions of nucleons in nuclei**
W. Bentz
Department of Physics, School of Science, Tokai University

QT-103 **Density dependence of hadron-nucleus interaction from exotic atoms**
E. Friedman
Racah Institute of Physics, the Hebrew University

QT-104 **Nonperturbative renormalisation group and many fermion systems**
B. Krippa
School of Physics and Astronomy, The University of Manchester

QT-105 **Experimental study of the (K^{+},K^{0}) interactions on ^{7}Li at FINUDA**
L. Benussi
Laboratori Nazionali di Frascati dell, INFN

QT-106 **Structure and Formation of Kaonic Atoms and Kaonic Nuclei**
J. Yamagata
Depertment of Physics, Nara Womens University

QT-107 **Production of hypernuclei in multifragmentation of nuclear spectator matter**

A. Botvina[1,2]
[1]*Institute for Nuclear Research, Russian Academy of Sciences,* [2]*Gesellschaft fur Schwerionenforschung*

QT-108 **Exotic hypernuclei near nuclear driplines**

C. Samanta[1,2]
[1]*Saha Institute of Nuclear Physics,* [2]*Physics Department, Virginia Commonwealth University*

QT-109 **Hints of new physics in K^+-nuclei scattering at intermediate energy: bridging high and low energy processes**

S. Eliseev
Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research

QT-110 **Formation of $\eta'(958)$-mesic nuclei by (γ,p) reaction and $U_A(1)$ anomaly at finite density**

H. Nagahiro
Research Center for Nuclear Physics, Osaka University

QT-111 **In-medium properties of N(1535) probed by eta-mesic nuclei and chiral symmetry for baryon resonances**

D. Jido
Yukawa Institute for Theoretical Physics, Kyoto University

QT-112 **SIDDHARTA at DAΦNE: Precision measurement of strong interaction in kaonic atoms**

P. Kienle
Stefan Meyer Institut of the Austrian Academy of Sciences

QT-113 **Renormalization group equations and Nambu-Goldstone *vs* Vector Manifestation scenario of chiral phase transition**

T. Varin
Institut de Physique Nucleaire de Lyon, Universite Claude Bernard Lyon 1 Universite de Lyon

QT-114 **Effects of hyperon-mixing on kaon-condensed nucleus**

T. Muto
Chiba Institute of Technology

QT-115 **Coulomb-assisted Σ^--nucleus bound states by recoilless (K^- , π^+) reactions**

T. Harada
Osaka Electro-Communication University

QT-116 **Study of light kaonic nuclei with a chiral SU(3)-based $\bar{K}N$ potential**

A. Doté
IPNS/KEK

QT-117 **The search for antikaon-mediated deeply bound nuclear states with AMADEUS**

J. Zmeskal
Stefan Meyer Institute for Subatomic Physics

QT-118 **γ-ray spectroscopy study of $^{11}_{\Lambda}$B and $^{12}_{\Lambda}$C hypernuclei**

Y. Ma
Department of Physics, Tohoku University

QT-119 **DWIA calculation of ^{3}He(in-flight K^-,n) reaction for searching *K⁻pp* bound state**

T. Koike
Advanced Meson Science Laboratory, RIKEN

QT-120 **The HypHI project at GSI and FAIR: Hypernuclear spectroscopy with stable heavy ion beams and rare-isotope beams**

T. Saito[1,2]
[1]*GSI,* [2]*Institut fur Kernphysik, Johannes Gutenberg-Universitat*

QT-121 **Precision Spectroscopy of Kaonic Helium-4 X-rays**

S. Okada
Nishina Center for Accelerator-based Science, RIKEN

QT-122 **Nuclear effects in intermediate to high energy neutrino-nucleus scattering**

M. Barbaro
University of Turin

QT-123 **Measurement of double-strangeness hypernuclei in $^{12}C(K^-,K^+)$ reaction at 1.66GeV/c**
B. Choi
Department of Physics Pusan National University

QT-124 **Nuclear tagged structure functions in semi-inclusive deep inelastic lepton scattering**
C. Ciofi degli Atti
Department of Physics, University of Perugia and Istituto Nazionale di Fisica Nucleare, Sezione di Perugia

QT-125 **Linked cluster expansion for the calculation of ground state properties of complex nuclei and high energy scattering processes**
C. Ciofi degli Atti
Department of Physics, University of Perugia and Istituto Nazionale di Fisica Nucleare, Sezione di Perugia

QT-126 **On the dependence of the wave function of a bound nucleon on its momentum**
C. Ciofi degli Atti
Department of Physics, University of Perugia and Istituto Nazionale di Fisica Nucleare, Sezione di Perugia

QT-127 **Perspectives for the measurement of Ξ⁻-atomic X rays at J-PARC**
K. Tanida
Kyoto University

QT-128 **Omega production in the γp reaction**
S. Das
Nuclear Physics Division, Bhabha Atomic Research Centre

QT-129 **The physical properties of strong hadronic matter with a weak Y-Y interaction**
R. Su
Department of Physics, Fudan University

QT-130 **Bulk properties of kaonic nuclei in the mean-field calculation**
T. Maruyama
ASRC, Japan Atomic Energy Agency

QT-131 **Universal repulsion of three-baryon interaction originating from the confinement**
R. Tamagaki
Kyoto University

QT-132 **Quark-model study of ΛNN and ΣNN systems**
A. Valcarce
Departamento de F.sica Fundamental, Universidad de Salamanca

QT-133 **Study of Double-hyper Nuclei with a Fully-Automated General Scan of Emulsion**
T. Tsunemi
Department of Physics, Kyoto University

QT-134 **Study on Λ-hypernuclei at J-PARC with intense pion beams**
A. Sakaguchi
Osaka University

QT-135 **Subthreshold two pion production in proton-nucleus collisions at Tp=430 MeV**
A. Sakaguchi
Osaka University

QT-136 **Weak decay event of S = -2 system**
T. Watanabe
Physics Department, Gifu University

QT-137 **Study of the double pion photoproduction on deuteron**
H. Kanda
Department of Physics, Tohoku University

QT-138 **Three-body cluster model for $^{7}_{\Lambda}$He: ground state and low-lying levels**
L. Filikhin
Department of Physics, North Carolina Central University

QT-139 **Partial decay widths of Φ meson in dense medium, measured in the e^+e^- and K^+K^- decay channels in 12 GeV p+A reactions at KEK-PS E325**

F. Sakuma[1,2]
[1]*Kyoto University,* [2]*RIKEN*

QT-140 **A study of *pp*K^- system in the Skyrme model**

T. Nishikawa
Tokyo Institute of Technology

QT-141 **A search for strange tribaryonic states in ^{4}He($K^-_{stopped}$, *n*) reaction**

H. Yim
Department of Physics, Seoul National University

QT-142 **Non-Mesonic Weak Decay of $^4_\Lambda$He**

J. Parker
Department of Physics, Kyoto University

QT-143 **Three-body resonance ploe of strange dibaryon in the $\bar{K}NN$- πYN coupled system**

Y. Ikeda
Department of Physics, Graduate School of Science, Osaka University

QT-144 **Elastic and inelastic scattering of π^+ and π^- on ^{12}C at 995 MeV/*c***

K. Aoki
High Energy Accelerator Research Organization (KEK)

QT-145 **Structure and production of p-shell Ξ-hypernuclei**

S. Sugimoto
Kyoto University

QT-146 **Lifetime measurement of the 3/2$^+$ state in $^7_\Lambda$Li**

M. Ukai
CYRIC, Tohoku University

QT-147 **Hypernuclear γ-ray spectroscopy at J-PARC**

T. Koike
Department of Physics, Tohoku University

QT-148 **Studies of η-nucleus interaction and search for η-nucleus bound states**

V. Jha
Nuclear Physics Division, Bhabha Atomic Research Centre

QT-149 **A search for strange tribaryon states in the ^{4}He($K^-_{stopped}$, *p*) reaction**

M. Sato
Department of Physics, Tokyo Institute of Technology

QT-150 **Hypernuclei and nuclear matter in a chiral SU(3) RMF model**

K. Tsubakihara
Department of Physics, Faculty of Science, Hokkaido University

QT-151 **Precise Measurement of π-Mesonic and Non-mesonic Weak Decay Widths of Light Λ Hypernuclei**

H. Outa
Advanced Meson Science Lab., RIKEN

QT-152 **K^0 photoproduction in the threshold region with the neutral kaon spectrometer (NKS)**

K. Tsukada
Department of Physics, Tohoku University

QT-153 **Λ and Δ baryons in ^6Li and ^{12}C by $K^-_{stop}A \rightarrow \pi^- pA'$ reaction**

S. Piano
INFN sez. Trieste

QT-154 **Exploring nonlinear σ,ω induced Three-Body Forces in Dense Hadronic Matter**

C. Rothleitner
Department of Physics, Max-Plank Institute Erlangen

Tuesday, June 5, 2007

Nuclear Reactions-1 14:30-18:30 Room: B1 Lobby Gallery

QT-155 **Total cross-sections of Molybdenum, Tantalum, Bismuth, and Hafnium**
A. Meaze
Department of Physics, Chittagong University

QT-156 **Cluster Dynamics Structure of ^{6}He Nuclei at the Coulomb Barrier**
L. Borowska[1,2]
[1]Fachbereich Physik, Universitat Kassel, [2]Institute for Nuclear Research, NAS of Ukraine

QT-157 **Excitation functions of proton induced nuclear reactions on natural tungsten up to 40 MeV**
M. Khandaker
Department of Physics, Kyungpook National University

QT-158 **Studies on the kinetics of muon catalyzed fusion in the HT mixture with very low tritium concentration**
S. N. Hosseini Motlagh
Iran University Science & Technology

QT-159 **Effect of Direct Laser Fusion in Determining ρR-Parameter and Energy Gain by Using Improved Fusion Cross-Section in (D-T) Reaction**
S. N. Hosseini Motlagh
Department of Physics, Iran University of Science and Technology

QT-160 **Analyze of Channel Coupled Calculation in the Reaction of 16O+64Zn System**
J. Huiza
Departamento de Fisica, Instituto de Fisica, Universidade de Sao Paulo

QT-161 **High energy asymmetric nuclear matter**
S. Zaryouni
Physics Department, Bu-Ali Sina University

QT-162 **Study of reaction mechanism in ^{12}C+ ^{93}Nb system at Pelletron Energies**
I. A. Rizvi
Department of Physics, Aligarh Muslim University

QT-163 **Complete and incomplete fusion reactions in the interaction of ^{16}O + ^{55}Mn system below 7 MeV/ A : Measurement and analysis of excitation functions**
A. Agarwal
Department of Physics, Bareilly College

QT-164 **Fusion-Fission Dynamics of ^{197}Tl**
P. D. Shidling
Department of Physics, Panjab University

QT-165 **Relativistic interactions for meson-nucleon systems in the clothed particle representation**
V. Korda
Institute of Electrophysics and Radiation Technologies NAS of Ukraine

QT-166 **Experimental Tests of Quasiparticle Plasma State Momentum Distribution Predictions in Metal-Hydrides using Neutron Scattering**
Y. Kim
Department of Physics, Purdue University

QT-167 **withdrawal**

QT-168 **A systematic theoretical study of the average fission lifetime as a function of the initial nucleus excitation energy**
I. Gontchar
Physics and Chemistry Department, Omsk State Transport University

QT-169 **Study the effect of isospin dependent terms of nucleon-nucleon interaction on complete fusion cross sections of heavy ion reactions using the monte carlo method**
O. Ghodsi
Sciences Faculty, Department of Physics, University of Mazandaran

QT-170 **The study of balance energy at different collision geometries**
R. Chugh
Department of Physics, Panjab University

QT-171 **Mass scaling of fragments with excitation energy**
Y. Vermani
Department of Physics, Panjab University

QT-172 **Nature of hadronic matter predicted by charge yields in ^{197}Au+^{197}Au collisions**
J. Dhawan
Department of Physics, Panjab University

QT-173 **Light charged particles as an indicator of global stopping in heavy-ion collisions**
J. Dhawan
Department of Physics, Panjab University

QT-174 **Transfer Reactions for Continuum Spectroscopy of ^{10}Li in a DWBA Approach**
S. E. A. Orrigo
INFN Laboratori Nazionali del Sud

QT-175 **Photofissility of heavy nuclei and RIB production**
T. Mukhopadhyay
Variable Energy Cyclotron Centre

QT-176 **Intra-Nuclear Cascade Models Revisited**
Y. Yariv[1,2]
[1]SPhN, CEA-Saclay, [2]on leave from Soreq NRC

QT-177 **Alpha decay half-lives of superheavy nuclei**
D. Basu
Variable Energy Cyclotron Centre

QT-178 **Color Statistics for Nuclear Matter and Systematization of Atomic Nuclei Fission Fragments**
V. Maslyuk
Institute of Electron Physics, Ukr. Nat. Acad. Sci.

QT-179 **Vertex renormalization and o®-shell ¼NN form factor in the clothed particle representation**
P. Frolov
Institute of Electrophysics and Radiation Technologies NAS of Ukraine

QT-180 **Regularized Yukawa-type coupling and the problem of vacuum, mass and vertex renormalization in the clothed particle representation**
I. Yeletskikh
Institute of Electrophysics and Radiation Technologies NAS of Ukraine

QT-181 **withdrawal**

QT-182 **Renormalization group analysis of the chiral NLO pion production operator**
S. Nakamura
Theory Group, TRIUMF

QT-183 **Measurement of neutron-induced light-ion production around 95 MeV**
S. Pomp
Department of Neutron Research, Uppsala University

QT-184 **Resonance behavior of absorption in intermediate energy heavy ion scattering**
A. A. Ogloblin
Kurchatov Institute

QT-185 **withdrawal**

QT-186 **Analysis of nucleon-nucleus scattering and nuclear structure using the effective Skyrme forces**
V. Pilipenko
NSC "Kharkov Institute of Physics and Technology"

QT-187 **Elastic proton-nucleus scattering and the Glauber approach with intermediate excitations of the target nucleus and non-eikonal corrections**
V. Pilipenko
NSC "Kharkov Institute of Physics and Technology"

QT-188 **Elastic neutron scattering measurements at 96 MeV**
S. Pomp
Department of Neutron Research, Uppsala University

QT-189 **Excitons, spin and heavy ions**
E. Běták[1,2]
[1]Institute of Physics, Slovak Acad. Sci., [2]Fac. Philosophy and Sci., Silesian University

QT-190 **Nucleon-deuteron scattering and three-nucleon forces**
S. Ishikawa
Department of Physics, Science Research Center, Hosei University

QT-191 **Light RIBs Fragmentation at intermediate energies**
E. Rapisarda
Dipartimento di Fisica e Astronomia, Università di Catania and INFN-Sezione di Catania

QT-192 **Neutron-Nucleus Optical Potential in Brueckner Theory**
W. Haider
Department of Physics, AMU

QT-193 **Isospin dependence of IMF yield in the reactions ^{40}Ca+^{40,48}Ca, ^{46}Ti at 25 MeV/A**
F. Amorini[1,2]
[1]INFN Laboratori Nazionali del Sud, [2]Dipartimento di Fisica and Astronomia Universita di Catania

QT-194 **Reaction mechanisms in ^{6}He+^{64}Zn around the barrier**
V. Scuderi[1,2]
[1]INFN-Laboratori Nazionali del Sud and Sezione di Catania, [2]Dipartimento di Fisica ed Astronomia

QT-195 **^{9,10,11}Be+^{64}Zn reaction studies at the Coulomb barrier.**
A. Di Pietro
INFN- Laboratori Nazionali del Sud and Sezione di Catania

QT-196 **Absorptive break-up of ^{16}O in interaction with ^{nat}Tm at E/A ≈ 5.6 MeV : Observation of fast projectile-like fragments in forward cone**
P. Singh
Department of Physics, A. M. University

QT-197 **Measurement of the ^{2}H(d,pn) reaction at 0 degrees at 270 MeV**
K. Miki
Department of Physics, University of Tokyo

QT-198 **withdrawal**

QT-199 **Study of neutron-rich Be isotopes on REX-ISOLDE using the reaction ^{11}Be+d**
H. Knudsen
Dep. of Physics and Astronomy, Univ. of Aarhus

QT-200 **Relevance of equilibrium in multifragmentation**
T. Furuta
Department of Physics, Tohoku University

Tuesday, June 5, 2007

Nuclear Astrophysics 14:30-18:30 Room: B1 Lobby Gallery

QT-201 **Physical Essential of Ultra- Strong magnetic filed for Magnetars**
Q. Peng
Department of Astronomy, Nanjing University

QT-202 **The properties of nuclear matter and beta-equilibrium neutron matter in nonlinear mean-field interactions**
H. Uechi
Osaka Gakuin Junior College

QT-203 **Symmetry energy effect on hyperon star mass**
P. Chowdhury
Saha Institute of Nuclear Physics

QT-204 **Electrodisintegration of the deuteron close to threshold and big-bang nucleosynthesis**
P. Neumann-Cosel
Institut fur Kernphysik, Technische Universitat Darmstadt

QT-205 **Photodisintegration studies on p-nuclei: The case of Mo and Sm isotopes**
C. Nair
Institut fur Strahlenphysik, Forschungszentrum Dresden-Rossendorf

QT-206 **Resonances in ^{12}C of astrophysical interest studied via the reaction ^{10}B(^{3}He, *p*ααα)**
O. Kirsebom
Department of Physics and Astronomy, University of Aarhus

QT-207 **Observational studies of neutron-capture elements in metal-deficient stars with the Subaru Telescope**
W. Aoki
National Astronomical Observatory of Japan

QT-208 **Carbon-enhanced metal-poor stars: their impacts on nuclear astrophysics**
W. Aoki
National Astronomical Observatory of Japan

QT-209 **Nuclear liquid-gas phase transition in asymmetric matter: from nuclei to compact stars**
P. Chomaz
GANIL (DSM-CEA/IN2P3-CNRS)

QT-210 **The observation program of ultra-heavy nuclei in galactic cosmic rays**
M. Hareyama
Advanced Research Institute for Science and Engineering, Waseda University

QT-211 **Variational Calculation for the Equation of State of Nuclear Matter**
H. Kanzawa
Department of Physics, Science and Engineering, Waseda University

QT-212 **New results along the *rp* process path**
D. Galaviz[1,2,3]
[1]Instituto de Estructura de la Materia, CSIC, [2]National Superconducting Cyclotron Laboratory, Michigan State University, [3]Joint Institute for Nuclear Astrophysics, Michigan State University

QT-213 **Beta-decay of proton-rich ^{23}Al and consequences on the depletion of ^{22}Na from ONe novae**
L. Trache
Cyclotron Institute, Texas A&M University

QT-214 **Phase Structures of Compact Stars in the Modified Quark-Meson Coupling Model**
C. Gao
School of Physics, Peking University

QT-215 **withdrawal**

QT-216 **Quantal calculation of vortices in the inner crust of neutron stars**
P. Avogadro[1,2]
[1]INFN, Sezione di Milano, [2]Dipartimento di Fisica, Universit`a degli Studi

QT-217 **TOF-Bρ Mass Measurements of Very Exotic Nuclides for Astrophysical Calculations at the NSCL**
M. Matoš[1,2]
[1]National Superconducting Cyclotron Laboratory, Michigan State University, [2]Joint Institute of Nuclear Astrophysics, Michigan State University

QT-218 **The r-process element abundance taking account of a realistic fission fragment mass distribution**
S. Chiba
Japan Atomic Energy Agency

QT-219 **Low Energy Neutrino Reactions on Light Nuclei in Supernova**
D. Gazit
Racah Institute of Physics, Hebrew University

QT-220 **Quark deconfinement in compact stars**
A. Lavagno
Dipartimento di Fisica, Politecnico di Torino and INFN Sez. Torino

QT-221 **Universality of Photodisintegration Reaction Nucleosynthesis in Supernovae**
T. Hayakawa[1,2]
[1]Kansai Photon Science Institute, Japan Atomic Energy Agency., [2]National Astronomical Observatory, Osawa

QT-222 **Hyperon-mixing in hot neutron stars at birth**
S. Nishizaki
Faculty of Humanities and Social Sciences, Iwate University

QT-223 **Demand for extra repulsion in hyperon-mixed neutron stars — effects of 2π-exchange 3-body force —**
T. Takatsuka
Faculty of Humanities and Social Sciences, Iwate University

QT-224 **THE VARIATIONS OF GALACTIC COSMIC RAYS**
T. Alimov
Samarkand State University

QT-225 **FREQUENT SPECTRA OF INTENSITY OF COSMIC RAYS IN THE REGION 8.10^{-5}-$1.7.10^{-3}$ CYCLE PER SECOND DURING THE SOLAR FLASHES.**
T. Alimov
Samarkand State University

QT-226 **Strong enhancement of photoneutron cross sections for ^{94}Zr near threshold**
H. Utsunomiya
Department of Physics, Konan University

QT-227 **Precise determination of Q-values of exotic nuclei for nucleosynthesis calculations by Penning trap technique**
A. Jokinen
Department of Physics, University of Jyvaskyla

QT-228 **β^--Decay Half-Lives: A Global Model With Neural Networks**
N. Costiris
Department of Physics, University of Athens

QT-229 **Exploring the αp-process with transfer reactions at RCNP**
K. Hatanaka
RCNP

QT-230 **Study Progress of Nuclear Astrophysical Reaction Rate at CIAE**
Z. Li
China Institute of Atomic Energy

QT-231 **Constraint on neutrino energy spectra from supernova light-element synthesis**
T. Yoshida
National Astronomical Observatory of Japan

QT-232 **First experimental observation of change of half-life of ^{110}Sn and ^{109}In implanted in Au and Pb**
P. Das
Variable Energy Cyclotron Centre

QT-233 **Neutrino flavor mixing in supernova nucleosynthesis**
T. Yoshida
National Astronomical Observatory of Japan

QT-234 **The importance and the sensitivity of the reaction concerning with ^{17}O in the s-process nucleosynthesis**
K. Yamamoto
Department of Physics, Konan University

QT-235 **Direct measurement of ^{4}He(^{12}C,^{16}O)γ cross section at E_{cm} = 2.4 MeV at KUTL**
K. Sagara
Department of Physics, Kyushu University

QT-236 **Environmental effects on neutrino-nucleus reactions in r-process nucleosynthesis**
F. Minato
Department of Physics, Tohoku University

QT-237 **Quark-hadron matter with strangeness**
T. Endo
Research Center for Nuclear Physics(RCNP), Osaka University

QT-238 **Stellar reaction rate for ^{26}Si(p,γ)^{27}P and implications for ^{26}Al nucleosynthesis**
Y. Togano
Department of Physics, Rikkyo University

QT-239 **Cosmological Non-thermal Nuclear Processes of ^{6}Li Synthesis Induced by Radiative Decay of Relic Particles**
M. Kusakabe[1,2]
[1]Department of Astronomy, School of Science, University of Tokyo, [2]Division of Theoretical Astronomy, National Astronomical Observatory of Japan

QT-240 **Cosmological Production of Light Elements LiBeB in Pre-Galactic Star Formation [1]**
M. Kusakabe[1,2,3]
[1]Department of Astronomy, School of Science, University of Tokyo, [2]Division of Theoretical Astronomy, National Astronomical Observatory of Japan, [3]Research Fellow of the Japan Society for the Promotion of Science

QT-241 **withdrawal**

QT-242 **Nucleosynthetic Signature of Gamma-Ray Burst as A First Star of the Early Universe[1]**
T. Kajino[1,2]
[1]National Astronomical Observatory of Japan, [2]Department of Astronomy, Graduate School of Science, University of Tokyo

QT-243 **withdrawal**

QT-244 **Probing stellar ^{26}Al and ^{44}Ti with the DRAGON recoil separator at TRIUMF**
A. Chen
Department of Physics and Astronomy McMaster University

QT-245 **Cosmology with the bigbangonline.org Software Suite**
M. Smith
Physics Division, Oak Ridge National Laboratory

QT-246 **A new facility for measurements in nuclear astrophysics**
G. Genard
LARN-FUNDP

QT-247 **Neutron star properties with accurately calibrated field theoretical models**
R. Kumar
Department of Physics, H.P.University

Tuesday, June 5, 2007

Nuclear Application 14:30-18:30 Room: B1 Lobby Gallery

QT-248 **withdrawal**

QT-249 **withdrawal**

QT-250 **Parameter Measurements and Optimization of a Compton Suppression Spectrometer for Application in the Analysis of Biological Samples**
Y. Ahmed[1,2]
[1]Centre for Energy Research and Training, Ahmadu Bello University, [2]Nuclear Engineering Teaching Lab., University of Texas at Austin

QT-251 **Hydrogen analysis by proton-proton elastic recoil coincidence spectrometry**
T. Komatsubara
Tandem Accelerator Complex, Research Facility Center for Science and Technology, University of Tsukuba

QT-252 **NUCLEONICA: A new Science Portal**
J. Galy
European Commission-Joint Research Centre- Institute for Transuranium Elements

QT-253 **EFNUDAT, a network of European Facilities for Nuclear Data measurements devoted to nuclear waste transmutation**
S. Pomp
Department of Neutron Research, Uppsala University

QT-254 **Evaluation the nonlinear response function of a *3""*× *3""*NaI Scintillation Detector for PGNAA applications**
H. Panjeh
Physics Department, Faculty of Science, Ferdowsi University of Mashhad

QT-255 **Improving the performance of ^{241}Am-Be for PGNAA applications using a proper shielding for neutron source and the *3""*× *3""* NaI Scintillation Detector.**
H. Panjeh
Physics Department, Faculty of Science, Ferdowsi University of Mashhad

QT-256 **Gamma shielding effect on the reduction of the gamma-ray components from ^{252}Cf and ^{241}Am-Be neutron sources**
A. Vejdani-Noghreiyan
Physics Department, Faculty of Science, Ferdowsi University of Mashhad

QT-257 **Reduction of the gamma-ray component from ^{252}Cf and ^{241}Am-Be neutron sources in a Body Chemical Composition Analyzer.**
A. Vejdani-Noghreiyan
Physics Department, Faculty of Science, Ferdowsi University of Mashhad

QT-258 **Experimental optimization to improve the performance of a moderated ^{241}Am-Be source for land mine detection based on PGNAA Method**
H. Panjeh
Physics Department, Faculty of Science, Ferdowsi University of Mashhad

QT-259 **Nuclear cardiology versus coronary artery angiography in detection of coronary lesions; a comparison**
A. Mowla
Shiraz University of Medical sciences

QT-260 **Nuclear Bone Scintigraphy in Acute Lymphoblastic Leukemia**
A. Mowla
Shiraz University of Medical Sciences

QT-261 **Measurement of total gamma absorption for high energy gamma rays**
F. Kitatani
Japan Atomic Energy Agency

QT-262 **Heavy Metals Biomonitoring Pollution in Romania Using Nuclear Technique: Spatial and Temporal Trends Studied by Moss Analysis**
A. Lucaciu
Horia Hulubei National Institute for Physics and Nuclear Engineering Bucharest

QT-263 **Incorporating expert knowledge into beam orientation optimization in IMRT**
R. Cao
Institute of Plasma Physics, Chinese Academy of Sciences

QT-264 **Study on the parameter set-up optimization of Monte Carlo Code EGSnrc**
G. Song
Institute of Plasma Physics of Chinese Academy of Sciences

QT-265 **Rapid and accurate inversion calculation of three-dimensional electron dose based on hybrid pencil beam model**
G. Li
Institute of Plasma Physics, Chinese Academy of Sciences

QT-266 **Investigating marine dynamics at the deep basins of the Aegean Sea using Cs-137**
C. Kalfas
National Centre for Scientific Research Demokritos

QT-267 **A Stochastic-Analytical Hybrid Dose Arithmetic Based on A Clinic Head Case**
H. Lin[1,2]
[1]College of Science, Hefei University of Technology, [2]Institute of Plasma Physics,Chinese Academy of Sciences

QT-268 **Photonuclear reaction cross sections for ^{37}Cl and ^{152}Sm**
K. Hara
Japan Atomic Energy Agency (JAEA)

QT-269 **Neutron capture measurements using the 4π Ge detector for Au and Ag**
H. Harada
Japan Atomic Energy Agency

QT-270 **Evaluation of the Nuclear Reactions of the Energetic Particle Production in the First High-current Proton Accelerator Facility in Korea using MCNPX Code with Various Nuclear Data Library**
C. Lee
Nuclear Data Evaluation Lab., Korea Atomic Energy Institute

QT-271 **Innovative Method for Nuclear Level Construction Using Measured Multiple Prompt Gamma-rays**
T. Kin
Japan Atomic Energy Agency

QT-272 **withdrawal**

QT-273 **AMS measurements of the heaviest radionuclides for environmental and nuclear astrophysics studies**
A. Wallner
VERA Laboratory, Fakultat fur Physik, Universitat Wien

QT-274 **Trace elements analysis of soil from mining area**
K. Singh
Department of Physics, Panjab University

Tuesday, June 5, 2007

New Facilities and Instrumentations 14:30-18:30 Room: B1 Lobby Gallery

QT-275 **Hybrid Theory Systems, Description of the ADS- Accelerator Driven System- for different Programs and Study of their Performances**
A. Boucenna
Department of physics, Ferhat Abas university

QT-276 **Fading and dose response of thermolominescence dosimeter CaF_2 and CaF_2/ Dy after irradiated by 10 mev electron beam with high doses and gamma ray**
M. Gholampoor
Department of Physics, the Faculty of Science Yazd University

QT-277 **A non-destructive detection technique with single-ion sensitivity for high-precision Penning trap mass measurements on heavy and superheavy elements**
M. Kowalska
CERN

QT-278 **A New Drift Chamber based Mott Polarimeter for T-violation experiment**
H. Kawamura
Department of Physics, Rikkyo University

QT-279 **The lead tungstate electromagnetic calorimeter of the CMS detector**
Q. Ingram
Paul Scherrer Institute

QT-280 **The SAGE spectrometer - simultaneuos in-beam electron and γ-ray spectroscopy**
J. Pakarinen
Oliver Lodge Laboratory, Universityof Liverpool

QT-281 **New detector for neutron flux measurements in the core of nuclear reactor**
S. Andriamonje
CEA-Saclay DSM/DAPNIA

QT-282 **Precision spectroscopy of pionic atoms in nuclear reactions**
K. Itahashi
Nishina Center for Accelerator-Based Science, RIKEN

QT-283 **Silicon carbide detector's response to light ions**
M. Napoli
Dipartimento di Fisica e Astronomia, Università di Catania and INFN-Sezione di Catania

QT-284 **Fundamental Neutron Physics at the Spallation Neutron Source in the US**
R. Alarcon
Department of Physics, Arizona State University

QT-285 **withdrawal**

QT-286 **The PANDA Detector at FAIR: status and perspectives**
G. Raciti
Dipartimento di Fisica e Astronomia, Università di Catania and INFN Sezione di Catania

QT-287 **Potential for the application of compact ionization chambers in AMS at energies below 1 MeV/amu.**
O. Forstner
VERA Laboratory, Faculty of Physics, University of Vienna

QT-288 **SksPlus spectrometer at J-PARC Hadron-hall for Ξ-hypernuclear spectroscopy**
T. Takahashi
High Energy Accelerator Research Organization (KEK)

QT-289 **Optimization analysis of neutron polarimeter SMART-NPOL**
S. Noji
Department of Physics, University of Tokyo

QT-290 **Polarized ^{3}He by metastability exchange with a laser**
E. Ihara
Department of Physics, Kyushu University

QT-291 **Microtron based photoneutron source**
K. M. Eshwarappa
Microtron Centre, Department of Studies in Physics, Mangalore University

QT-292 **EURISOL Design Study: Towards an Ultimate ISOL Facility for Europe**
L. Fraile
CERN

QT-293 **Fluctuation of energy losses in electromagnetic cascades at intermediate energies**
B. Słowiński[1,2]
[1]Faculty of Physics, Warsaw University of Technology, [2]Institute of Atomic Energy

QT-294 **Status of Shanghai Laser Electron Gamma Source (SLEGS) and the X ray beam line of a 100 MeV Linac for SLEGS**
W. xu
Shanghai INstitute of Applied Physics

QT-295 **A general-purpose liquid target system for hadron experiments at J-PARC**
M. Iio
RIKEN

QT-296 **Virtual Accelerator at J-PARC 3 GeV Rapid Cycling Synchrotron (RCS)**
H. Harada
Hiroshima University

QT-297 **Hypernuclear spectroscopy with stable heavy ion beams and rare-isotope beams: Experimental setup for the HypHI phase 0 experiment**
M. Kavatsyuk[1,2]
[1]Gesellschaftfur Schwerionenforschung (GSI), [2]NationalTaras Shevchenko University of Kyiv

QT-298 **A search for deeply-bound kaonic nuclear states by in-flight ^{3}He(K^-,n)reaction at J-PARC**
H. Ohnishi
RIKEN

QT-299 **First in-beam test of the AGATA prototype triple cluster**
F. Recchia[1,2]
[1]INFN, [2]University of Padova

QT-300 **Performance of Germanium detectors at high counting rates**
M. Kavatsyuk[1,2]
[1]Gesellschaftfur Schwerionenforschung (GSI), [2]NationalTaras Shevchenko Universityof Kyiv

QT-301 **Low mass dielectron measurements at J-PARC**
S. Yokkaichi
RIKEN

QT-302 **LEPS2: the new Laser-Electron-Photon beamline at SPring-8**
M. Yosoi
Research Center for Nuclear Physics, Osaka University

QT-303 **Pulse shape upgrading of CHIMERA detector: recent achievements and prospects**
P. Russotto
LNS Catania

QT-304 **The trigger system for hypernuclear spectroscopy with heavy ion beams (HypHI)**
S. Minami[1,2,3]
[1]Institut fur Kernphysik, Johannes Gutenberg-Universitat Mainz, [2]Graduate School of Science, Osaka University, [3]GSI, Darmstadt

QT-305 **The new FINUDA challenge: γ-ray spectroscopy of hypernuclei at DAΦNE**
S. Bufalino
University of Torino

QT-306 **Secondary beam lines at J-PARC hadron facility**
H. Takahashi
High Energy Accelerator Research Organization (KEK)

QT-307 **Precise estimation of weighting fields in a TPC**
S. Mukhopadhyay
INO Section, Saha Institute of Nuclear Physics

QT-308 **Computation of weighting potential and electric field in dielectrics**
N. Majumdar
INO Section, Saha Institute of Nuclear Physics

QT-309 **Construction status of the slow-extraction beam line for Hadron Experimental Facility at J-PARC**
Y. Sato
Institute of Particle and Nuclear Studies, High Energy AcceleratorResearch Organization (KEK)

QT-310 **Development of a cryogenic gas target system for the intense radio-isotope beam production at CRIB**
S. Hayakawa
Center for Nuclear Study, University of Tokyo

QT-311 **Development of ion guiding system for radio-isotope atomic-beam resonance measurements**
T. Sugimoto
Institute of Physical and Chemical Research (RIKEN)

QT-312 **Setup for hypernuclear γ-ray spectroscopy experiment at the J-PARC K1.8 beam line**
K. Shirotori
Department of Physics, Tohoku University

QT-313 **Segmented germanium detector array GRAPE for high resolution in-beam □-ray spectroscopy with RI beams**
S. Shimoura
Center for Nuclear Study (CNS), University of Tokyo

QT-314 **Hiroshima Computing GRID for the ALICE Experiment at LHC**
T. Horaguchi
Graduate School of Science, Hiroshima University

QT-315 **Potassium Rydberg atoms for CARRACK dark-matter axion-search experiment**
S. Ikeda
Department of Physics, Kyoto University

QT-316 **Mass measurements by isochronous storage ring in RI beam factory**
A. Ozawa
University of Tsukuba

QT-317 **Aerogel Cherenkov Counter for a Trigger of the Ξ^--atomic X-ray Measurement**
T. Hiraiwa
Department of Physics, Kyoto University

QT-318 **High Resolution SHARAQ Spectrometer**
T. Uesaka
Center for Nuclear Study, University of Tokyo

QT-319 **FPGA - Based Compute Nodes for the PANDA - Experiment at FAIR**
W. Kuhn
Univ. Giessen

QT-320 **Development of solid hydrogen target**
H. Takeda
Institute of Physical and Chemical Research (RIKEN)

QT-321 **Development of an innovative γ-ray spectrometer for neutron capture experiments**
M. Oshima
Japan Atomic Energy Agency

QT-322 **High resolution Electron Spectrometer for the third generation Λ hypernuclear spectrometer system using the (e,e'K^+) reaction at JLab Hall-C**
Y. Fujii
Department of Physics, Tohoku University

QT-323 **Autonomic detector system with ubiquitous concept**
Y. Watanabe
RIKEN (Institute of Physical and Chemical Research)

QT-324 **Development of cold-neutron interferometer adapted to white neutron beams for precision measurements**
Y. Seki
Department of Physics, Kyoto University

QT-325 **Polarized proton target for RI-beam experiments**
S. Sakaguchi
Center for Nuclear Study, University of Tokyo

QT-326 **Atomic beam merging in multi body high power targets within the Eurisol Framework**
E. Bouquerel
CERN

QT-327 **Development of the readout system of cathode strip chamber for high momentum muon trigger at RHIC PHENIX experiment**
K. Shoji[1,2]
[1]*Department of Physics, Kyoto University,* [2]*Institute of Physical & Chemical Research (RIKEN)*

QT-328 **Silicon Pixel for PHENIX Vertex Tracker Upgrade**
K. Fujiwara
Niigata University/RIKEN

QT-329 **Simulation and optimization of the resolving power of large acceptance fragment separators**
J. Nolen
Physics Division, Argonne National Laboratory

QT-330 **Evaluation of the Performance of DSSD-Emulsion Hybrid System**
A. Okamura
Department of Physics, Kyoto University

QT-331 **Radiation Damage Study for the PHENIX Si VTX Upgrade**
K. Kurita
Rikkyo University

QT-332 **Development of pclarized lithium ion source at RCNP**
H. Okamura
Research Center for Nuclear Physics, Osaka University

Wednesday, June 6, 2007

Nuclear Structure-3 14:30-18:30 Room: Hall B5 Lobby

QW-001 **Study of elastic scattering of protons on the proton rich nucleus ^{9}C**
Y. Matsuda
Department of Physics,Tohoku University, Sendai

QW-002 **Distance from X(5) symmetry in ^{156}Gd case**
M. Sugawara
Chiba Institute of Technology

QW-003 **Systematical study of nuclear decay modes and a limit of existence of nuclei**
H. Koura
Advanced Science Research Center, JapanAtomic Energy Agency (JAEA)

QW-004 **REANALYSIS OF SYMMETRY BREAKING EXPERIMENTS**
M. Hussein
Instituto de Fisica, Universidade de Sao Paulo

QW-005 **Giant neutron halo in ^{22}C studied via reaction cross-sections at intermediate energy**
K. Tanaka
The Institute for Physical and Chemical Research

QW-006 **Affirmation of Chirality in ^{135}Nd from Lifetime Measurements**
U. Garg
Physics Department, University of Notre Dame

QW-007 **Quasiparticle-Rotor Model Description of Carbon Isotopes and ^{11}Be**
M. Hussein
Insituto de Fisica, Universidade de Sao Paulo

QW-008 **Observation of single-particle states in ^{101}Sn**
D. Seweryniak
Argonne National Laboratory

QW-009 **Spin-orbit splitting and the tensor component of the Skyrme interaction**
G. Coló
Dipartmento di Fisica, Universita degli Studi and INFN, Sezione di Milano

QW-010 **Refinement of the Variational Method with Approximate Energy Expressions for Nuclear Matter**
K. Tanaka[1,2]
[1]Department of Pure and Applied Physics, Waseda University, [2]Research Institute for Science. and Engineering, Waseda University

QW-011 **Hard-core coupled cluster method revisited**
N. Walet
School of Physics and Astronomy, University of Manchester, Schuster Laboratory

QW-012 **Life time measurement of chiral candidate band members in ^{103,104}Rh**
T. Koike
Department of Physics, Tohoku University

QW-013 **Electric quadrupole moment of ^{25}Al**
M. Mihara
Department. of Physics, Osaka Univ.

QW-014 **Weakening of $Z = 28$ shell closure in ^{74}Ni**
S. Kanno[1,2]
[1]*Department of Physics, Rikkyo University,* [2]*RIKEN Nishina Center for Accelerator-Based Science*

QW-015 **Three-alpha resonant states in ^{12}C**
C. Kurokawa
Meme Media Laboratory, Hokkaido University

QW-016 **The systematic study of nuclei in and around the island of inversion by the antisymmetrized molecular dynamics**
M. Kimura
University of Tsukuba

QW-017 **Analysis of the 0^+ resonant states in ^{12}C**
C. Kurokawa
Meme Media Laboratory, Hokkaido University

QW-018 **Development of a recoil ion detector for SCRIT experiment**
K. Ishii
Rikkyo University

QW-019 **Spectroscopy of ^{33}P and high-spin study of neutron-rich nuclei via fusion evaporation reactions.**
T. Morikawa
Department of Physics, Kyushu University

QW-020 **Proton elastic scattering of ^{20}O at the 300MeV/u and investigation of nucleon density distributions.**
S. Terashima
RIKEN Nishina Center

QW-021 **Relativistic description of nuclear surface with vacuum fluctuation**
N. Nose-Togawa
Research Center for Nuclear Physics, Osaka University

QW-022 **Measurement of isoscalar monopole and dipole strengths in ^{14}O**
H. Baba
RIKEN (The Institute of Physical and Chemical Research)

QW-023 **Large collectivity in ^{60,62}Cr studied by proton inelastic scattering**
E. Takeshita
Department of Physics, Rikkyo University

QW-024 **Response in high Ex region of ^{38}S at forwarding angles**
H. Otsu[1,2]
[1]*Department of Physics, Tohoku University,* [2]*RIKEN, the Institute of Physical and Chemical Research*

QW-025 **Study of High-spin States in $^{49\text{-}51}$Ti by the Secondary Fusion Reaction**
M. Niikura
Center for Nuclear Study, University of Tokyo

QW-026 **Collectivity in ^{32}Mg: a study of low-lying states**
S. Takeuchi
RIKEN Nishina Center for Accelerator-Based Science

QW-027 **The ^{116}Cd(p, n) measurement at 300 MeV for the study of the nuclear matrix element of the two-neutrino double beta decay**
M. Sasano
Department of Physics, The University of Tokyo

QW-028 **Study of Quantum Decoherence in a finite system : Three Schrödinger cats and the Nuclear collective motion.**
T. Ishikawa
Institute of Applied Beam Science, Graduate School of Science and Engineering,Ibaraki University

QW-029 **Di-neutron correlations in ^{6}He and ^{11}Li**
Y. Kikuchi
Department of Cosmoscience, Graduate School of Science, Hokkaido Univ.

QW-030 **withdrawal**

QW-031 **Signature of Very Large Deformation in ^{32}S Nucleus via GDR Splitting**
S. Banerjee
Variable Energy Cyclotron Centre

QW-032 **Search for high-spin isomsers using radioactive-isotope ^{17}N beam**
Y. Wakabayashi
Center for Nuclear Study, Graduate School of Science, University of Tokyo

QW-033 **Assigning spin to triaxial superdeformed rotational bands**
H. Ryde
Division of Nuclear Physics, University of Lund, Lund, Sweden

QW-034 **Proton Intruder State in ^{13}B via Proton Transfer Reaction on ^{12}Be**
S. Ota
Center for Nuclear Study, Department of Physics, University of Tokyo

QW-035 **Spherical Gamow HFB calculations for nuclei close to driplines**
N. Michel
Department of Physics, Graduate School of Science, Kyoto University

QW-036 **Observation of the first 2^+ state of ^{14}Be**
T. Sugimoto[1,2]
[1]Department of Physics, Tokyo Institute of Technology, [2]Institute of Physical and Chemical Research (RIKEN)

QW-037 **Study of the tensor correlation in light nuclei using the charge- and parity-projected Hartree-Fock method**
S. Sugimoto
Kyoto University

QW-038 **Search for superdeformed-rotational band in ^{107}Cd and ^{109}In**
A. Yoshida
Department of Physics, Kyoto University

QW-039 **Simplified modeling of the cluster-shell competition for carbon isotopes**
H. Masui
Information Processing Center, Kitami Institute of Technology

QW-040 **Exotic cluster structure in He and O isotopes - the molecular orbits and di-neutrons -**
N. Furutachi
Department of Physics, Faculty of Science and Technology, Tokyo University of Science

QW-041 **Search for chiral doublet structures in ^{79}Kr**
T. Suzuki[1,2]
[1]Cyclotron and Radio-isotope Center, Tohoku University, [2]Department of Physics, Tohoku University

QW-042 **Spectroscopy of ^{13}Be and ^{14}Be via the proton-induced breakup reactions**
Y. Kondo
Department of Physics, Tokyo Institute of Technology

QW-043 **Neutron-rich He-clusters in highly-excited states of ^{12}Be**
M. Ito
RIKEN

QW-044 **Microscopic calculations of fission properties of odd mass nuclei**
L. Robledo
Dep. F.sica Teorica C-XI, Universidad Autonoma de Madrid

QW-045 **Angular momentum dependence of nuclear level density parameter in mass region A~120 and 180**
B. John
Nuclear Physics Division, Bhabha Atomic Research Centre

QW-046 **Observation of hindered $E2$ strength in ^{18}C**
H. Ong
Department of Physics, University of Tokyo

QW-047 **Triplet-even attraction for nuclear binding energies**
A. Umeya
Department of Physics,Tokyo Institute of Technology

QW-048 **Tensor-force effect on exotic nuclei**
D. Abe
Department of Physics, University of Tokyo

QW-049 **Continuum effects for the shell-model calculation near the drip line oxygen isotopes**

K. Tsukiyama
Department of Physics, University of Tokyo

QW-050 **Exotic cluster states in ^{12}Be *via* α-inelastic scattering**

A. Saito
Department of Physics, University of Tokyo

QW-051 **Effective interaction dependence of excited states in medium-weight nuclei**

Y. Taniguchi[1,2]
[1]Department of Physics, Kyoto University, [2]Yukawa Institute for Theoretical Physics, Kyoto University

QW-052 **Towards the first identification of Nilsson Orbitals in Superdeformed Actinides**

T. Morgan[1,2]
[1]Ludwig-Maximilians-Universitat, [2]Maier-Leibnitz-Laboratorium

QW-053 **Measurement of deep hole states in ^{39}K by $(\vec{p}, 2p)$ reaction at E_p = 392 MeV**

Y. Yasuda[1,2]
[1]Kyoto University, [2]University of Tsukuba

QW-054 **Studies of exotic light nuclei through transfer reactions at CERN-ISOLDE**

T. Nilsson[1,2]
[1]FundamentalFysik, ChalmersTekniskaHogskola, [2]InstitutfurKernphysik,TechnischeUniversitat Darmstadt

QW-055 **High-Spin Isomers in Erbium Isotopes**

T. Fukuchi
Department of Physics, Osaka University, Osaka

QW-056 **Search for a giant long lived component in the U+U reaction near the Coulomb barrier**

C. Golabek
GANIL (IN2P3/CNRS - DSM/CEA)

QW-057 **Molecular states of carbon isotopes**

T. Yoshida
University of Tokyo

QW-058 **Isovector spin resonances in ^{90}Nb studied via the ^{90}Zr(^{3}He, $t + p$) raction**

K. Nakanishi
Center for Nuclear Study, University of Tokyo

QW-059 **First observation of a $6^+ \rightarrow 3^- \rightarrow 0^+$ double E3 cascade in the decay of a two-phonon octupole state**

B. Rubio
Instituto de Fisica Corpuscular, CSIC-Univ. de Valencia

QW-060 **Shell model study on the N =8 magicity in the light neutron-rich nuclei**

G. Kaneko
Department of Physics, Tokyo Institute of Technology

QW-061 **withdrawal**

QW-062 **Nuclear Structure and Reactions with the Fermionic Molecular Dynamics Model**

T. Neff
Gesellschaft für Schwerionenforschung

QW-063 **withdrawal**

QW-064 **Coupled-cluster calculations of nuclei**

T. Papenbrock[1,2]
[1]Department of Physics and Astronomy, University of Tennessee, [2]Physics Division, Oak Ridge National Laboratory

QW-065 **Three-nucleon cluster structure in light nuclei via three-nucleon transfer reactions**

A. Yamazaki[1,2]
[1]Cyclotron and Radioisotope Center, Tohoku University, [2]Department of Physics, Tohoku University

QW-066 **Production and Characterization of ^{7}H Nuclear System**
M. Caamano[1,2]
[1]Dept. of Particle Physics, U.S.C., [2]GANIL

QW-067 **A Global Investigation of the Fine Structure of the Isoscalar Giant Quadrupole Resonance:The Low-Mass Region 12 ! A ! 40**
I. Usman
University of the Witwatersrand

QW-068 **Spectroscopic study of the multinucleon transfer reactions producing ^{11,12}N**
A. Lepine-Szily
Instituto de Fisica, Universidade de Sao Paulo

QW-069 **Hyperdeformed band in ^{36}Ar populated in the ^{12}C+^{24}Mg elastic scattering**
A. Lepine-Szily
Instituto de Fisica, Universidade de Sao Paulo

QW-070 **Evidence for Symplectic Symmetry in *Ab Initio* No-Core Shell Model Results for ^{12}C and ^{16}O**
J. Draayer
Department of Physics and Astronomy, Louisiana State University

QW-071 **Precise masses of neutron-rich radionuclides for astrophysics**
A. Herlert
Physics Department, CERN

Wednesday, June 6, 2007

The Standard Model and Beyond 14:30-18:30 Room: B1 Lobby Gallery

QW-101 **A harmonic representation of fundamental particles**
R. Storti
Delta Group Engineering

QW-102 **Hadronic parity violation with effective field theory**
C. Hyun
Department of Physics, Sungkyunkwan University

QW-103 **Neutron Interferometric Methods for Search for Non-Newtonian Gravity**
V. Gudkov
Department of Physics and Astronomy, University of South Carolina

QW-104 **Governing equations of unified gravitational, electromagnetic, strong and weak fields**
Z. Zhou
Institute of Rock and Soil Mechanics, The Chinese Academy of Sciences

QW-105 **Cut-off regularization scheme respecting gauge invariance and application to Abelian 5d gauge field theory**
D. Davesne
Institut de Physique Nucleaire de Lyon, Universite de Lyon

QW-106 **Search for time reversal violating e.ects in the decay of free neutrons**
A. Kozela
Institute of Nuclear Physics, Cracow, Poland

QW-107 **Test of Chiral Symmetry via Precision Measurements on Light Pseudoscalar Mesons[1]**
L. Gan
University of North Carolina Wilmington, (For the PrimEx Collaboration)

QW-108 **Measurement of the βυ angular correlation in ^{6}He-decay**
G. Ban
LPC-Caen, IN2P3-ENSI

QW-109 **Optical-Coupling Nuclear Spin Maser and search for an Atomic EDM of ^{129}Xe**
A. Yoshimi
Nishina Center for Accelerator-based Science, RIKEN

QW-110 **T-Violating transverse electron polarization in polarized nuclear beta decay**
J. Murata
Department of Physics, Rikkyo University

QW-111 **Search for the *G* parity violating term in weak nucleon currents in mass 20 system**
T. Nagatomo[1,2,3]
[1]Osaka Univ., [2]Univ. of Tsukuba, [3]RIKEN

Wednesday, June 6, 2007

Neutrino Physics 14:30-18:30 Room: B1 Lobby Gallery

QW-112 **The search for neutrinos of cosmic origin: the ANTARES experiment**
J. Ernenwein for the ANTARES Collaboration
GRPHE, Universite de Haute-Alsace

QW-113 **The role of the nuclear medium in neutrino scattering at intermediate energies**
L. Alvarez-Ruso
Departamento de Fisica Teorica and IFIC, Universidad de Valencia

QW-114 **Chiral model for weak pion production off the nucleon**
E. Hernández
University of Salamanca

QW-115 **Beta decay study in mass 8 system to test the conserved vector current hypothesis**
T. Sumikama
Nishina Center, RIKEN

QW-116 **Nuclear matrix elements for the double beta decay of ^{150}Nd**
O. Moreno
Instituto de.Estructura de la Materia, CSIC

QW-117 **Search for double electron capture decay of ^{106}Cd**
N. Rukhadze
Joint Institute for Nuclear Research

QW-118 **Studies of the Structure of Nuclei Involved in Neutrinoless Double Beta-Decay: ^{76}Ge and ^{76}Se.**
J. Schiffer
Argonne National Laboratory

QW-119 **Search for Supernova Neutrinos at Super-Kamiokande**
A. Takeda
Institute for Cosmic Ray Research, University of Tokyo

QW-120 **Neutrino oscillation analyses using SK-I and SK-II atmospheric neutrino data**
H. Seo
Department of Physics, Sungkyunkwan University

QW-121 **Medium effect in the υ, *e*-nucleus reactions in GeV region**
H. Kamano
Department of Physics, Osaka University

QW-122 **Optical Characteristic of CANDLES**
Y. Hirano
Graduate School of Science, Osaka University

QW-123 **Modeling of Supernova Shock Propagation, and Neutrino Oscillation**
S. Kawagoe[1,2]
[1]Department of Astronomical Science, School of Physical Science, The Graduate University for Advanced Studies (SOKENDAI), [2]National Astronomical Observatory of Japan

QW-124 **Study of Background Reduction in CANDLES**
S. Umehara
Graduate School of Science, Osaka University

Wednesday, June 6, 2007

Hot and Dense QCD 14:30-18:30 Room: B1 Lobby Gallery

QW-125 **Multiplicity Fluctuations in Relativistic Nuclear Collisions**
M. Gorenstein[1,2]
[1]Bogolyubov Institute for Theoretical Physics, [2]Frankfurt Institute for Advanced Studies

QW-126 **Hadron Production in the Relativistic Diffusion Model**
G. Wolschin
Institut fur Theoretische Physik der Universitat

QW-127 **withdrawal**

QW-128 **ALICE Potential with PHOS Photon Spectrometer**
H. Torii
Graduate School of Science, Hiroshima Univ.

QW-129 **Susceptibilities in a Chiral Model with Polyakov Loops**
C. Sasaki
GSI

QW-130 **Thermal Dilepton Production from Dropping ρ in the Vector Manifestation**
C. Sasaki
GSI

QW-131 **the Strong coupling lattice QCD with Wilson fermion**
R. Arai
Department of Physics, Saitama University

QW-132 **Schwinger-Dyson approach for finite-density systems with lattice QCD data**
H. Iida
Yukawa Institute for Theoretical Physics, Kyoto University

QW-133 **Thermal dimuon yields at NA60**
K. Dusling
Department of Physics and Astronomy, State University

QW-134 **withdrawal**

QW-135 **Finite Range Effects of Interaction for Spontaneous Spin-Polarization**
T. Maruyama
College of Bioresource Sciences, Nihon University

QW-136 **Hadron-quark continuity in the QCD phase diagram and excitations, driven by the axial anomaly**
N. Yamamoto
Department of Physics, University of Tokyo

QW-137 **Measurement of electromagnetic radiation at RHIC-PHENIX**
T. Sakaguchi
Brookhaven National Laboratory, Physics Department

QW-138 **Hadron azimuthal correlation and development of Mach-like structure in a partonic transport model**
Y. Ma
Shanghai Institute of Applied Physics, Chinese Academy of Sciences

QW-139 **Effects of higher-order multi-quark interactions in NJL model on the chiral and color-superconducting phase transitions**
K. Kashiwa
Department of Physics, Kyushu University

QW-140 **The behavior of the quark propagator near the T_c**
M. Hamada
Department of Physics, Kyushu University

QW-141 **Size of the Critical Region in the QCD Phase Diagram**
J. Wambach[1,2]
[1]Institute for Nuclear Physics, TU-Darmstadt, [2]Gesellschaft fur Schwerionenforschung

QW-142 **The extended model of the flux-tube phase transitions and deconfinement**
G. Kozlov
Bogoliubov Laboratory of Theoretical Physics Joint Institute for Nuclear Research

QW-143 **High-Pt Physics as a Probe of the QGP formed at RHIC**
C. Ogilvie
Iowa State University

QW-144 **Quark matter phase diagram in the strong coupling region of lattice QCD**
A. Ohnishi
Department of Physics, Faculty of Science, Hokkaido University

QW-145 **Charmed Multiquark Hadron production at LHC**
S. Lee
Department of Physics, Yonsei University

QW-146 **Identified hadron production in Au+Au and Cu+Cu collisions at RHIC-PHENIX**
M. Konno
Graduate School of Pure and Applied Science, University of Tsukuba

QW-147 **Measurement of low-mass vector mesons via di-electron decay in $\sqrt{s_{NN}}$ = 200 GeV Au+Au collisions at RHIC-PHENIX**
Y. Nakamiya
Hiroshima University

QW-148 **Two-color QCD at finite baryon and isospin density**
K. Fukushima[1,2]
[1]RIKEN BNL Research Center, [2]Brookhaven National Laboratory

QW-149 **Prospects of di-electron measurements at RHIC-PHENIX**
K. Ozawa
University of Tokyo, Physics department

QW-150 **Analysis of fermion quasi-particle picture at finite temperature — mass effect and pole structure —**
K. Mitsutani
Yukawa Institute for Theoretical Physics

QW-151 **On the existence of charmonium above T_c in anisotropic lattice QCD**
H. Iida
Yukawa Institute for Theoretical Physics, Kyoto University

QW-152 **Quest for ω mesons by their radiative decay mode in $\sqrt{s_{NN}}$ =200GeV A+A collisions at RHIC-PHENIX**
M. Ouchida
Hiroshima University

QW-153 **Low Mass Vector Mesons at High Energy Densities at RHIC-PHENIX**
K. Shigaki
Hiroshima University

QW-154 **withdrawal**

QW-155 **Measurement of energy density in Cu+Cu Collisions at RHIC-PHENIX.**
K. Yamaura
Hiroshima University

QW-156 **J/psi dissociation in QGP**
T. Song
Institute of Physics and Applied Physics, Yonsei University

QW-157 **Spin polarization in quark matter as an origin of magnetic field in compact stars**
T. Tatsumi
Department of Physics, Kyoto University

QW-158 **Event anisotropy measurements at RHIC -PHENIX**
S. Esumi
Univ. of Tsukuba, Inst. of Physics

QW-159 **Hadron production through jet-fluid string formation and decay at RHIC**
A. Ohnishi
Dept. of Physics, Faculty of Science, Hokkaido Univ.

QW-160 **Quasi-quarks, paraconductivity, and dilepton production near chiral transition**
Y. Nemoto
Department of Physics, Nagoya University

QW-161 **Heavy ion physics using the ATLAS detector at the CERN LHC**
M. Rosati
Iowa State University

QW-162 **Soft dynamics near the QCD critical point**
H. Fujii
Institute of Physics, University of Tokyo

QW-163 **Production of low-mass vector mesons via di-electron decay in ¥sqrt{sNN}=200GeV p+p collisions at RHIC-PHENIX**
K. Kijima
Hiroshima University

QW-164 **Investigation of η' mass modification from two-pion Bose-Einstein correlations in $\sqrt{s_{NN}}$ = 200 GeV Au+Au collisions by PHENIX**
M. Csanád
Department of Atomic Physics, Eotvos University

QW-165 **Heavy-quark free energy and Debye screening effect at finite temperature and density in lattice QCD simulations**
Y. Maezawa
Department of Physics, The University of Tokyo

QW-166 **New Exact Solutions of Perfect Fluid Hydrodynamics for Advanced Measurements of Initial Energy Densities and Life-Times at RHIC**
T. Csörgő
MTA KFKI RMKI

QW-167 **New Exact Solutions of Viscous Fireball Hydrodynamics**
T. Csörgő
MTA KFKI RMKI

QW-168 **ΔΔ Dibaryons in Neutrons stars**
C. Vasconcellos
Instituto de fisica, Universidade Federal do Rio grande do Sul

Wednesday, June 6, 2007

Hadron Structure 14:30-18:30 Room: B1 Lobby Gallery

QW-169 **The Structure Function of Proton at low and high Q^2**
G. Forozani
Department of physics , Bu-Ali Sina University

QW-170 **withdrawal**

QW-171 **Results from the BLAST Experiment**
M. Kohl
MIT-Bates Linear Accelerator Center and Laboratory for Nuclear Science Massachusetts Institute of Technology

QW-172 **Exotic hadrons as meson-hadron bound states in *s*-wave chiral dynamics**
D. Jido
Yukawa Institute for Theoretical Physics, Kyoto University

QW-173 **QCD Sum Rule Study of the Masses of Light Tetraquark Scalar Mesons**
H. Chen[1,2]
[1]Research Center for Nuclear Physics, Osaka University, [2]Department of Physics, Peking University

QW-174 **Isospin symmetry breaking of K and K^* mesons**
H. Chen[1,2]
[1]*Research Center for Nuclear Physics, Osaka University,* [2]*Department of Physics, Peking University*

QW-175 **Chiral $SU(2)_L \times SU(2)_R$ and $U_A(1)$ symmetries for baryon resonances**
A. Hosaka
Research Center for Nuclear Physics (RCNP)

QW-176 **Polarized parton distribution functions in valon model with choice the best initial input densities to solve the DGLAP equations**
F. Taghavi-Shahri
IUST-Iran University of Science & Technology

QW-177 **Nuclei from a chiral constituent quark model: Results of microscopic simulations**
A. Valcarce
Grupo de Física Nuclear and IUFFyM, Universidad de Salamanca

QW-178 **The Effect of Instanton Induced Interaction on P-wave meson spectra in constituent quark model**
K. Bhavyashri
Department of Physics, Mangalore University

QW-179 **Search for Θ^+ via $K^+p \rightarrow \pi^+X$ reaction at KEK-PS E559**
K. Miwa
Department of Physics, Tohoku University

QW-180 **Fundamental information from files of nuclear data**
S. Sukhoruchkin
Petersburg Nuclear Physics Institute

QW-181 **Analysis of scalar-quark systems in $SU(3)_c$ lattice QCD**
H. Iida
Yukawa Institute for Theoretical Physics, Kyoto University

QW-182 **Measurement of coherent ϕ-meson photoproduction on deuteron at CLAS**
T. Mibe
Ohio University

QW-183 **The study of exotic hadrons in pole-dominated QCD sum rules**
T. Kojo
Department of Physics, Kyoto University

QW-184 **withdrawal**

QW-185 **Particle ratios on the near- and away-side of jets at RHIC**
J. Zuo[1,2]
[1]*Nuclear Physics Division, Shanghai Institute of Applied Physics, CAS,* [2]*Physics Department, Brookhaven Nation Lab.*

QW-186 **Search for the Θ^+ in $\pi^- p \rightarrow K^- K^0$ p reaction near threshold**
S. Kim
Department of Physics Pusan National University

QW-187 **Hyperon beta decay from lattice QCD**
S. Sasaki
Department of Physics, University of Tokyo

QW-188 **withdrawal**

QW-189 **Partonic structure of the neutron**
E. Voutier
Laboratoire de Physique Subatomique et des Cosmologie IN2P3/CNRS - Universite Joseph Fourier

QW-190 **Nucleon time-like and space-like form factors and Fock state components within light-front dynamics**
E. Pace
Departamento de Fisica, I. T. A.

QW-191 **Spectral patterns in the nonstrange baryon spectrum**
P. González
Departamento deF.sicaTeorica and IFIC, Universidad deValencia -CSIC

QW-192 **Kaon-Kaon scattering in the SU(3) linear sigma model**
C. Ryu
Research Center for Nuclear Physics, Osaka University

QW-193 **Towards a constituent quark model description of baryon spectroscopy.**
J. Vijande[1,2]
[1]Departamento de F.sica Teorica and IFIC, Universidad de Valencia -CSIC, [2]Departamento de F.sica Fundamental, Universidad de Salamanca

QW-194 **Scalar and Pseudo-scalar form factors by electro- and weak- charged pion production**
M. Cheoun
Dept. of Physics, Soongsil University

QW-195 **New evolution model of Bose-Einstein correlations**
G. Kozlov
Bogoliubov Laboratory of Theoretical Physics Joint Institute for Nuclear Research

QW-196 **The sum rule constraint to the spin structure functions in the small Q^2 region**
S. Koretune
Department of Physucs, Shimane University

QW-197 **Measurements of beam polarization and analyzing power in CNI region through proton-carbon elastic reaction at RHIC**
I. Nakagawa[1,2]
[1]RIKEN, [2]RIKEN BNL Research Center, Brookhaven National Laboratory

QW-198 **Exotic Quark Structure of Λ(1405) and Scalar Nonet Mesons in QCD Sum Rule**
T. Nakamura
Department of Physics, Tokyo Institute of Technology

QW-199 **withdrawal**

QW-200 **Resonance pole from speed plot and time delay**
N. Suzuki
Department of Physics, Osaka University

QW-201 **Peristaltic modes of single color flux tube in the dual Ginzburg-Landau theory**
T. Kojo
Department of Physics, Kyoto University

QW-202 **Roper resonance with diquark correlations**
K. Nagata
Research Center for Nuclear Physics, Osaka University

QW-203 **Brane-induced Skyrmions in holographic QCD**
K. Nawa
Department of Physics, Graduate School of Science, Kyoto University

QW-204 **High-resolution search for the Θ^+ pentaquark in $\pi^- p \to K^- X$ reactions at J-PARC**
M. Naruki
RIKEN

QW-205 **Uncertainties of nuclear parton distribution functions**
T. Nagai
Department ofParticle and Nuclear StudiesGraduate University for Advanced Studies

QW-206 **Evidence for the Θ^+ associated with photoproduction of Λ(1520) from a deuteron**
N. Muramatsu
RCNP, Osaka University

QW-207 **withdrawal**

QW-208 **Tetraquark structure and isospin breaking in exotic D mesons**
S. Yasui
Tokyo Institute of Technology

QW-209 **Lattice QCD study of $g_A^{N^*N^*}$ with two flavors of dynamical quarks**
T. Takahashi
Yukawa Institute for Theoretical Physics, Kyoto University

QW-210 **$\Lambda(1405)$ photo-production at SPring-8/LEPS**
M. Niiyama
Research Center for Nuclear Physics, Osaka University

QW-211 **Virtual Compton scattering at MIT-Bates at $Q^2 = 0.05$ GeV$^2/c^2$**
Y. Sato
Laboratory of Nuclear Science, Tohoku University

QW-212 **Hyperon nucleon interactions calculated from lattice QCD**
H. Nemura
Advanced Meson Science Laboratory, Nishina Center for Accelerator-Based Science, RIKEN

QW-213 **Double helicity asymmetries and the gluon polarization in the proton from PHENIX at RHIC**
K. Aoki
Department of Physics, Kyoto University RIKEN (The Institute of Physical Chemical Research)

QW-214 **Deeply Virtual Compton Scattering on the proton in Hall A at Jefferson Laboratory**
A. Camsonne
Jefferson Laboratory

QW-215 **Forward neutron measurements in polarized pp collisions at RHIC-PHENIX**
M. Togawa[1,2]
[1]*Department of physics, Kyoto University,* [2]*Radiation Laboratory, RIKEN*

QW-216 **Infrared ghost dominance and confining color-Coulomb potential**
Y. Nakagawa
Research Center for Nuclear Physics, Osaka University

QW-217 **Lattice study of the color-dependent forces in QCD**
T. Saito
Research Center for Nuclear Physics, Osaka University

QW-218 **Single π^0 photoproduction on the deuteron for $0.58 < E\gamma < 1.15$ GeV**
F. Miyahara
Laboratory of Nuclear Science, Tohoku University

QW-219 **New Neutral Kaon Spectrometer (NKS2) for the study of the $n(\gamma, K^0)\Lambda$ reaction in the threshold region**
K. Futatsukawa
Department of Physics, Tohoku University

QW-220 **Physics and Status of WASA at COSY**
S. Schadmand
Institut fur Kernphysik, Forschungszentrum Julich

QW-221 **X(3872) as a two-meson molecule with a multiquark configuration**
S. Takeuchi
Japan College of Social Work

QW-222 **Angular dependence of recoil proton polarization in high-energy $\gamma d \to pn$**
X. Jiang
Rutgers University

QW-223 **Testing Scalar and Axial Diquarks in Near-Threshold Λ/Σ^0 Production in the Proton-Proton System**
M. Dillig
Institute for Theoretical Physics III, University Erlangen-Nurnberg

QW-224 **Mesic $Q\bar{Q}$ Components in the Nucleon and the Roper Resonance**
M. Schott
Department of Physics, Technical Unversity Munich

QW-225 **Title for abstract submitted to INPC2007**
D. Watts
University of Edinburgh

QW-226 **Di-Jet measurements to constrain event-kinematics in longitudinal polarized proton-proton collisions at RHIC at $\sqrt{s}$=200GeV**
G. Igo
UCLA, Department of Physics

Wednesday, June 6, 2007

Nuclear Reactions-2 14:30-18:30 Room: B1 Lobby Gallery

QW-227 **Study of nuclear correlation effects via $^{12}C(\vec{p},\vec{n}.)^{12}N(g.s.;1^+)$**
M. Dozono
Department of Physics, Kyushu University

QW-228 **Search for discrepancy in *pd* breakup cross section**
S. Kuroita
Department of Physics, Kyushu University

QW-229 **Exact Coulomb treatment for nuclear reactions in momentum space**
S. Oryu
Department of Physics, Tokyo University of Science

QW-230 **Threshold behaviour of interaction potential for $^{6}Li+^{64}Ni$ around the Coulomb barrier energies**
H. Majumdar
Saha Institute of Nuclear Physics

QW-231 **Test of ρ nucleus optical potential in the (p,p′) reaction**
S. Das
Nuclear Physics Division, Bhabha Atomic Research Centre

QW-232 **Evidence for Coulomb reorientation effect of deformed projectile on fusion barrier distribution**
B. Nayak
Nuclear Physics Division, Bhabha Atomic Research Centre

QW-233 **Correlation between multiplicity, rapidity and impact parameter in pion-xenon interactions at GeV energies**
B. Słowiński[1,2]
[1]Institute of Atomic Energy, [2]Faculty of Physics, Warsaw University of Technology

QW-234 **Shell correction energies and the synthesis of superheavy nuclei**
F. Zhang[1,2,3]
[1]Institute of low energy nuclear physics, Beijing Normal University, [2]The key laboratory of beam technology and material modification of ministry of education, Beijing Normal University, [3]Beijing radiation center

QW-235 **Symmetry energy and isospin effects of threshold energy of radial flow in heavy ion collisions**
F. Zhang[1,2,3]
[1]Institute of low energy nuclear physics, Beijing Normal University, [2]The key laboratory of beam technology and material modification of ministry of education, Beijing Normal University, [3]Beijing radiation center

QW-236 **Effect of Equation of state on Multifragmentation at Intermediate Energies**
S. Kumar
School of Physics and Material Science, Thapar Institute of Engineering and Technology

QW-237 **Neutron-induced light-ion production from carbon at 175 MeV**
M. Hayashi
Department of Advanced Energy Engineering Science, Kyushu University

QW-238 **Role of different Skyrme forces in cluster decay of $^{56}Ni^{*}$**
R. Puri
Department of Physics, Panjab University

QW-239 **Fusion of heavy-ions using different proximity potentials**
R. Puri
Department of Physics, Panjab University

QW-241 **Ternary emission in the ^{124}Sn + ^{64}Ni reaction at 35 MeV/A**
P. Russotto, F. Amorini
INFN

QW-242 **withdrawal**

QW-243 **Measurement of isomeric cross section ratio and its dependence on excitation energy and spin states**
M. Musthafa
Department of.Physics, University.of Calicut

QW-244 **Competitive reaction mechanisms in exotic nuclear reactions**
Y. Iwata
Department of Physics, University of Tokyo

QW-245 **Exploring dipole polarizability effects in the scattering of halo nuclei**
O. Tengblad
Instituto de Estructura de la Materia, CSIC

QW-246 **Isotopic effects in spectator fragmentation at relativistic energies**
W. Trautmann
GSI Darmstadt

QW-247 **Study of fragment emission in ^{16}O+^{12}C reaction in energy 7-10 MeV/u**
S. Kundu
Variable Energy Cyclotron Centre

QW-248 **Cross section measurement and its dependence on entrance channel and shell structure**
M. Musthafa
Department of.Physics, University.of Calicut

QW-249 **Proton induced coherent pion production**
K. Fujita
Osaka University

QW-250 **Entrance channel dynamics, nuclear structure and isospin effects in the ^{124,132}Sn+^{96}Zr reactions**
G. Giardina
Dipartimento di Fisica dellUniversita di Messina

QW-251 **A new method of analyzing four-body breakup reaction(^{6}He, ^{4}He *nn*)**
T. Egami
Department of Physics, Kyushu University

QW-252 **Coupled-channels Analysis for Large-angle Quasi-elastic Scattering of ^{54}Cr,^{56}Fe,^{70}Zn+^{208}Pb systems**
M. Zamrun
Department of Physics, Tohoku University

QW-253 **(empty)**

QW-254 **withdrawal**

QW-255 **Non-Hermitian E.ective Interaction in nucleon capture reactions**
A. Likar[1,2]
[1]University of Ljubljana,Facultyof mathematics andphysics, [2]J. Stefan Institute

QW-256 **Complete and Incomplete Fusion Processes in the ^{12}C+ ^{12}C System at an Energy of 16.7 MeV/nucleon**
S. Förtsch
iThemba LABS

QW-257 **Anomalous Magnetic Moment Effects in *NN* Bremsstrahlung**
B. Gibson
Theoretical Division, Los Alamos National Laboratory

QW-258 **A study of the space-time trajectory approach to relativistic Coulomb excitation of giant dipole resonance states in nuclei**
B. Wong
Quantum Scattering Theory Group, Institute of Mathematical Sciences, University of Malaya

QW-259 **^{118}Sn(d, p) reaction below Coulomb barrier**
M. Iijima
University of Tsukuba

QW-260 **Effect of dynamical charge polarization on the Coulomb barrier**
A. Iwamoto
Japan Atomic Energy Agency

QW-261 **Spectroscopy of light exotic nuclei in resonance scattering.**
G. Rogachev
Department of Physics, Florida State University

QW-262 **Measurements of spin observables in *np* interaction over 1.2 . 3.7 GeV energy region**
M. Finger[1,2]
[1]Charles University in Prague, Faculty of Mathematics and Physics, V Hole.ovi.kach 2, [2]Joint Institute for Nuclear Research, Laboratory of Nuclear Problems

QW-263 **Scaling and Interference in Breakup Reactions**
M. Hussein
Insituto de Fisica, Universiade de Sao Paulo

QW-264 **The ratio R^{dp} of the quasi-elastic *nd-(nn)p* to the elastic *np-np* charge exchange differential cross sections over 0.8.2.0 GeV energy region**
M. Finger[1,2]
[1]Charles University in Prague, Faculty of Mathematics and Physics, [2]Joint Institute for Nuclear Research

QW-265 **Spin correlation measurement of entangled two protons produced by ^{1}H(*d*, ^{2}He)*n* reaction and a test of Bell's inequality**
H. Sakai
Physics Department, University of Tokyo

QW-266 **The peculiarities of hot fusion reactions at synthesis of superheavy elements**
A. Nasirov[1,2]
[1]Flerov Laboratory of Nuclear Reactions, JINR, [2]Department of Heavy Ion Physics, Institute of Nuclear Physics

QW-267 **Double Charge Exchange Reaction by means of Heavy Ion**
K. Takahisa
Research Center for Nuclear Physics,Osaka University

QW-268 **withdrawal**

QW-269 **Measurement of Spin Correlation Parameter C_{yy} of *p*+^{3}He Elastic Backward Scattering**
Y. Shimizu
Research Center for Nuclear Physics (RCNP) Osaka University

QW-270 **Construction of a proton polarimeter for providing a "spin-tagged" beam using EPR correlation**
Y. Yamada
Department of Physics, Kyushu University

QW-271 **Measurement of shell-energies in Ca isotopes by using ($\vec{d}$,^{3}He) and ($\vec{p}$,^{2}p) reactions**
T. Noro
Department of Physics, Kyushu University

QW-272 **Elastic proton-deuteron scattering in configuration space**
V. Suslov[1,2]
[1]Department of Physics, North Carolina Central University, [2]Department of Mathematical and Computational Physics, Sankt-Petersburg State University

QW-273 **Descriptions of proton hole states of carbon isotopes based on the Young diagram**
K. Ozeki
CYRIC, Tohoku Univ.

QW-274 **Examination of relativistic dynamical effects on (*p*,2*p*) reactions**
T. Noro
Department of Physics, Kyushu University

QW-275 **Study of the Neutron Halo and Skin Structure of ^{6}He and ^{8}He**
M. Takechi
Research Center for Nuclear Physics

QW-276 **Langevin equation as a stochastic differential equation in nuclear physics**
T. Asano
Department of Physics, Konan University

QW-277 **The method of CDCC for four-body breakup reactions**
T. Matsumoto
Institute of Physical and Chemical Research (RIKEN)

QW-278 **Reaction Cross Sections and Nucleon Density Distribution of the Proton Drip-line Nucleus ^{9}C**
D. Nishimura
Department of Physics, Osaka University

QW-279 **Isovector Quadrupole Resonance observed in the ^{60}Ni(^{13}C,^{13}N)^{60}Co reaction at *E/A* = 100 MeV**
T. Ichihara
RIKEN

QW-280 **withdrawal**

QW-281 **Study of scattering amplitude in the complex scaling method**
R. Suzuki
Department of Physics, Faculty of Science, Hokkaido University

QW-282 **Continuum level density for coupled-channel system**
R. Suzuki
Department of Physics, Faculty of Science, Hokkaido University

QW-283 **Quantum effects on diffusion process in the synthesis of superheavy elements**
K. Washiyama
Department of Physics, Tohoku University

QW-284 **Study of three-nucleon force effects via the *pd* breakup reaction at 250 MeV**
Y. Maeda
Center for Nuclear Study, University of Tokyo

QW-285 **Analysing power for proton elastic scattering by proton-rich and neutron-rich Zr isotopes**
M. Hemalatha[1,2]
[1]*Nuclear Physics Division, Bhabha Atomic Research Centre,* [2]*Department of Physics, IIT-Powai*

QW-286 **Measurement of photofission excitation of ^{238}U**
H. Rajprakash
Microtron Center, Mangalore University

QW-287 **Non-adiabatic dynamics in ^{10}Be with the α+α+*N*+*N* model**
M. Ito
RIKEN

QW-288 **Angular distribution of fission fragments of even -even and odd mass nuclei induced by bremsstrahlung radiation near threshold**
H. Rajprakash
Microtron Center, Department of Studies in Physics, Mangalore University

QW-289 **Measurement of analyzing powers for *d-p* elastic scattering at Internal Target Station of Nuclotron**
K. Suda
Center for Nuclear Study, University of Tokyo

QW-290 **Folding model analysis of elastic scattering between polarized proton and ^{6}He**
Y. Iseri
Department of Physics, Chiba-Keizai College

QW-291 **Measurement of Electric Dipole Polarizability of ^{7}Li**
V. Rajprakash
Nuclear Physics Division, Bhabha Atomic Research Centre

QW-292 **Measurement of photofission excitation of ^{238}U**
H. Rajprakash
Microtron Center, Mangalore University

QW-293 **Angular distribution of fission fragments of even -even and odd mass nuclei induced by bremsstrahlung radiation near threshold**
B. K. Nayak
Nuclear Physics Division, Bhabha Atomic Research Center, Mumbai, India-400 058

QW-294 **Thermal Properties of Low-Density Neutron Matter by Lattice Calculation with Nuclear Effective Field Theroy**
T. Abe
Dept. of Phys., Tokyo Institute of Technology

QW-295 **Two-body scattering without angular-momentum decomposition**
M. Rodríguez-Gallardo
Centro de Física Nuclear, Universidade de Lisboa

QW-296 **Elucidation of the behavior of reaction cross sections at intermediate energies**
M. Fukuda
Department of Physics, Osaka University

QW-297 **First production of spin-polarized radioactive nuclear beam with CRIB**
K. Shimada
Department of Physics, Tokyo Institute of Technology

QW-298 **Two neutron knockout feeding to T_z = 2 nuclei ^{32}Ar, ^{28}S, and ^{24}Si**
K. Yoneda
National Superconducting Cyclotron Laboratory, Michigan State University

QW-299 **Relative kinetic energy correction to fission barriers**
J. Skalski
Institute for Nuclear Studies

QW-300 **withdrawal**

QW-301 **withdrawal**

QW-302 **Three-body approach to ^{11} Be - p scattering and breakup: comparison with CDCC**
A. Fonseca
Centro de Física Nuclear da Universidade de Lisboa

QW-303 **Spin correlation measurement of proton-neutron pairs via the (d, $pn[^1S^0]$) reaction**
H. Kuboki
Department of Physics, The University of Tokyo

QW-304 **Systematic investigation of charge-exchange processes in peripheral collisions induced by relativistic Xe projectiles**
J. Benlliure
DAPNIA/SPhN, CEA/Saclay

QW-305 **Isomeric cross section study of neutron induced reactions on Ge and Hf isotopes**
R. Vlastou
Department of Physics, National Technical University of Athens

QW-306 **Study of the ^{191}Ir(n,2n)^{190}Ir reaction cross section**
C. Papadopoulos
National Technical University of Athens, Zografou Campus

QW-307 **Screening potential of the Li+d reaction for liquid Li target**
J. Kasagi
Laboratory of Nuclear Science, Tohoku University

QW-308 **Observation of pionic degrees of freedom by means of quasi-free channels of π-Xe interactions at 2.34 and 3.5 GeV/c**
B. Słowiński[1,2]
[1]Faculty of Physics, Warsaw University of Technology, [2]Institute of Atomic Energy

QW-309 **Polarization of ^{23}Ne, ^{25}Al and ^{28}P produced in single nucleon pickup and charge-exchange reactions at 100-*A* MeV**
T. Ohtsubo
Niigata Univ.

QW-310 **Galactic Cosmic Ray hadronic interactions at energies around the flux peak and above**
M. Garzelli
University of Milano, Department of Physics and INFN

QW-311 **Elastic scattering of radioactive ion beams produced by RIBRAS system**
A. Lepine-Szily
Instituto de Fisica, Universidade de Sao Paulo

QW-312 **Quasi-free reaction as a source for virtual neutron beams**
S. Cherubini[1,2]
[1]*DMFCI, Universita di Catania,* [2]*INFN . Laboratori Nazionali del Sud*

QW-313 **Nuclear Matter is Soft**
J. Aichelin
SUBATECH, University of Nantes -IN2P3/CNRS -Ecole des Mines de Nantes