TALKS PRESENTED
April 1, 2005 – March 31, 2006


d+Au and p+Au Collisions at RHIC, C.A. Gagliardi, Invited Talk, PANIC’05 Satellite Meeting: New Frontiers at RHIC, Santa Fe, New Mexico, (October 2005).


Extracting the ANCs for $^{23}\text{Al} \to ^{22}\text{Mg}+p$ from the Mirror System $^{23}\text{Ne} \to ^{22}\text{Ne}+n$, T. Al-Abdullah, X. Chen, H.L. Clark, C. Fu, C.A. Gagliardi, Y.-W. Lui, G. Tabacaru, Y. Tokimoto, L. Trache, R.E. Tribble, F. Carstoiu, and S. Piskor, 2005 April Meeting of the APS, Tempe, Florida, (April 2005).


Breakup of Loosely Bound Nuclei as Indirect Method in Nuclear Astrophysics: $^8\text{B}, ~^9\text{C}, ~^{23}\text{Al}$, L. Trache, C.A. Gagliardi, R.E. Tribble, A.M. Mukhamedzhanov, and F. Carstoiu, 2005 2nd Joint Meeting of the Nuclear Physics Divisions of the APS and the Physical Society of Japan, Maui, Hawaii, (September 2005).


The Structure of $^{23}\text{Al}$ and the Consequences on the $^{22}\text{Mg}(p,\gamma)^{23}\text{Al}$ Stellar Reaction Rates, Yongjun Zhai, Invited Talk, School of Physics, Peking University, Beijing, China, (December 2005).


Weak Interaction Parameters from Superallowed $\beta$ Decay, J.C. Hardy, Invited talk, 2005 2nd Joint Meeting of the Nuclear Physics Divisions of the APS and the Physical Society of Japan, Maui, Hawaii, (September 2005).

Precision and Pandemonium, J.C. Hardy, Invited talk, Symposium on Advances in Rare Isotope Research (in Memory of Peder Gregers Hansen), Michigan State University, East Lansing, Michigan, (November 2005).

How Idiosyncratic is the Weak Force? J.C. Hardy, Colloquium at Abilene Christian University, Abilene, Texas, (November 2005).


Weak Interaction Parameters from Superallowed $\beta$ Decay, J.C. Hardy, Seminar at University of Jyvaskyla, Jyvaskyla, Finland, (January 2006).

The Weak Force: Dancing to Its Own Tune, J.C. Hardy, Saturday Morning Physics at Texas A&M, College Station, Texas, (February 2006).
Precise Half-Life Measurement of $^{34}$Ar, a Superallowed $\beta$ Emitter, V.E. Iacob, J.C. Hardy, C.A. Gagliardi, V.E. Mayes, N. Nica, G. Tabacaru, L. Trache, and R.E. Tribble, Carpathian Summer School of Physics 2005, Mamaia-Constanta, Romania, (June 2005).

Precise Half-Life Measurement for the Superallowed $\beta^+$ emitter $^{34}$Ar Emitter, V.E. Iacob, J.C. Hardy, C.A. Gagliardi, V.E. Mayes, N. Nica, G. Tabacaru, L. Trache, and R.E. Tribble, 2005 2\textsuperscript{nd} Joint Meeting of the Nuclear Physics Divisions of the APS and the Physical Society of Japan, Maui, Hawaii, (September 2005).

Nuclear Structure from a Completeness Perspective, N. Nica, Seminar at National Nuclear Data Center (NNDC), Brookhaven National Laboratory, Upton, New York, (March 2005).


Nuclear Structure from a Completeness Perspective, N. Nica, Seminar at National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, Michigan, (September 2005).


Do We Really Understand Energy Loss at RHIC? S. Mioduszewski, Seminar at Purdue University, West Lafayette, Indiana, (November 2005).


Resonance Scattering Induced by Radioactive Beams, V.Z. Goldberg, Invited Talk, International Workshop on Nuclear Physics, San Paulo, Brazil, (September 2005).
History of the Russian Nuclear Bomb Program, V.Z. Goldberg. Lecture Series on Thoughts on the Unthinkable, University of Notre Dame, South Bend, Indiana, (September 2005).

\(^{11}\text{C+p Resonance Interaction and Nuclear Structure}\) \(^{12}\text{N}, V.Z. Goldberg.\) Seminar on LBNL, University of California, Berkeley, California, (June 2005).

Super Heavy Hydrogen, \(^{7}\text{H}, \) Will be Discovered Soon, V.Z. Goldberg. Seminar on St. Peters burg State University, St. Petersburg, Russia, (June 2005).

\(\alpha\) Cluster Structure in \(N\neq Z\) Light Nuclei, V.Z. Goldberg. Seminar on Moscow State University, Moscow, Russia, (July 2005).

Resonance Scattering Induced by Radioactive Beams (from \(\alpha\) to \(\omega\)), V.Z. Goldberg. Seminar on Institute of Nuclear Physics, Kiev, Russia, (July 2005).


Heavy Ion Reaction Dynamics and the Properties of Highly Excited Nuclei, J.B. Natowitz, Invited Talk, Workshop on Heavy Ions & Isotopes, Chandigarh, India, (October 2005).


The Future of Nuclear Science Education : The Need for Increased Participation, S.J. Yennello, Invited Talk, 231\textsuperscript{st} ACS meeting, Atlanta, Georgia, (March 2006).

Rare Isotope Beam (RIB) Capabilities Expected from the Upgrade Project of the Texas A&M Cyclotron Institute, G.A. Souliotis, Invited Talk, HRIBF Fusion-Fission Workshop, Oak Ridge National Laboratory, Oak Ridge, Tennessee, (December 2005).


Studying the Nuclear Equation of State (EOS) Using Heavy Ions, S.J. Yennello, Invited Talk, Institute of Modern Physics, Lanzhou, China (August 2005).


Scaling of Projectile Residue Yields from Peripheral Heavy-Ion Collisions Below the Fermi Energy, G.A. Souliotis, DNP Meeting, Maui, Hawaii, (September 2005).


Heavy Flavor Flow, C. M. Ko, RHIC II Heavy Flavor Meeting, Brookhaven National Laboratory, Upton, New York (April 2005).

Hadronization via Coalescence, C. M. Ko, Chinese STAR Collaboration Summer School, Wuhan, China (June 2005).
Quark Coalescence and the Scaling of Hadron Elliptic Flow, **C. M. Ko**, Chinese STAR Collaboration Workshop, Wuhan, China (June 2005).


Transport Model Study of HBT at RHIC, **C. M. Ko**, Proceedings of International Workshop on Particle Correlations and Femtoscopy, Kromeriz, Czech Republic (August 2005).

Parton Hadronization in Medium, **C. M. Ko**, International Workshop on Parton Propagation Through Strongly Interacting Matter, Trento, Italy (September 2005).

Paronic Degree of Freedom and Hadronization Dynamics at RHIC, **C. M. Ko**, International Conference on Strongness in Quark Matter, Los Angeles (March 2006).


Three-body Integral Equations with Coulomb Interactions, **A.M. Mukhamedzhanov**, Invited Talk, Tokyo University of Science, Tokyo, Japan, (April 2005).


Trojan Horse as Indirect Technique in Nuclear Astrophysics, **A.M. Mukhamedzhanov**, Invited Talk, Physics Department, University of Surrey, Guilford, England, (October 2005).

Trojan Horse as Indirect Technique in Nuclear Astrophysics, **A.M. Mukhamedzhanov**, Invited Talk, 3rd European School on Experimental methods in Nuclear Astrophysics, Santa Tecla, Sicily, Italy, (October 2005).


Indirect Techniques in Nuclear Astrophysics: Asymptotic Normalization Coefficients and Trojan Horse, **A.M. Mukhamedzhanov**, Invited Talk, ORSAY, France, (March 2006).


Electromagnetic Probes in Heavy-Ion Reactions, R. Rapp, Invited Talk, European Graduate School Day Basel-Tübingen, Tübingen University, Tübingen, Germany, (May 2005).


Quarkonia in Medium and in Heavy-Ion Collisions, R. Rapp, Invited Talk, Heavy-Flavor Workshop of RHIC & AGS Users Meeting, Brookhaven National Laboratory, Upton, New York, (June 2005).


Heavy-Quark Thermalization and Resonances in the QGP, R. Rapp, 18th International Conference on Ultrarelativistic Nucleus-Nucleus Collisions (Quark Matter 2005), Budapest, Hungary, (August 2005).

What is the Origin of Mass? ... and the Quest for the Quark-Gluon Plasma, R. Rapp, Physics Department Graduate Orientation, Texas A&M University, College Station, Texas, (August 2005).

Diagnosis of the Quark-Gluon Plasma: Thermal Radiation and Heavy-Quark Probes, R. Rapp, Colloquium at Texas A&M University, College Station, Texas, (September 2005).

Heavy-Quark Spectra at RHIC and Resonances in the QGP, R. Rapp, Invited Talk, Heavy-Flavor Tracker Workshop, Lawrence Berkeley National Laboratory, Berkeley, California, (October 2005).

Electromagnetic Probes at the LHC (in Real + Virtual Light of SPS and RHIC Results), R. Rapp, Invited Talk, Satellite Meeting on Heavy-Ion Physics at the LHC at the Particle and Nuclear Interactions Conference (PANIC ’05), Santa Fe, New Mexico, (October 2005).


Heavy-Quark Diffusion, Flow and Recombination at RHIC, R. Rapp, Invited Talk, International Conference on Strangeness in Quark Matter (SQM06), University of California, Los Angeles, California, (March 2006).

Medium Modifications of Hadrons and Electromagnetic Probes, H. van Hees, Invited Talk, 22nd Winter Workshop on Nuclear Dynamics, La Jolla, California, (March 2006).


Schwerionenstöße und das stark wechselwirkende Quark-Gluon Plasma, H. van Hees, Colloquium at Fakultät für Physik der Universität Bielefeld, Bielefeld, Germany, (November 2005).

Thermalization and Flow of Heavy Quarks in the QGP, H. van Hees, Particles and Nuclei International Conference (PANIC 05), Santa Fe, New Mexico, (October 2005).


Determining the Parameters of a New Skyrme Effective Interaction Using the Simulated Annealing Method, S. Shlomo, Invited Talk, International Symposium on Structure of Exotic Nuclei and Nuclear Forces (SENUF06), Tokyo University, Tokyo, Japan, (March 2006).


Effects of Self-Consistency Violations in Hatree-Fock Based RPA Calculations for Giant Resonances, S. Shlomo, Invited Talk, RIKEN Symposium 2006 on Methods of Many-Body Systems: Mean Field Theories and Beyond, RIKEN, Wako, Japan, (March 2006).