

## TALKS PRESENTED

April 1, 2006 – March 31, 2007

*Inelastic  ${}^6\text{Li}$  Scattering Studies of the ISGMR – Prospects with Radioactive Beams*, **D.H. Youngblood**, **Invited Talk**, NSCL User Workshop on, East Lansing, Michigan, (May 2006).

*Systematic of Giant Monopole Resonance and its Isotopic Dependence*, **Y.-W. Lui**, D.H. Youngblood, H.L. Clark, Y. Tokimoto and X. Chen, **Invited Talk**, Workshop on In Heaven and On Earth 2006 – The Equation of State in Astrophysics, Montreal, Canada, (July 2006).

*Report to NuPECC (Nuclear Physics European Collaboration Committee) on Nuclear Science Advisory Committee Activities*, **R.E. Tribble**, **Invited Talk**, Nuclear Physics European Collaboration Committee, Cracow, Poland, (July, 2006).

*Report to International Union of Pure and Applied Physics Working Group 9 on Nuclear Science Advisory Committee Activities*, **R.E. Tribble**, **Invited Talk**, International Union of Pure and Applied Physics Working Group 9, Vancouver, British Columbia, Canada, (July, 2006).

*Indirect Techniques (I): Asymptotic Normalization Coefficients and the Trojan Horse Method*, **R.E. Tribble**, **Invited Talk**, Nuclei in the Cosmos IX, CERN, Geneva, Switzerland, (June, 2006).

*Facility Upgrade at Texas A&M University for Accelerated Beams*, **R.E. Tribble**, **Invited Talk**, RNB7 (Radioactive Nuclear Beams), Cortina d'Ampezzo, Italy, (July, 2006).

*Asymptotic Normalization Coefficients as an Indirect Technique for Nuclear Astrophysics – Past, Present and Future Prospects*, **R.E. Tribble**, **Invited Talk**, International Summer School on Subatomic Physics, Beijing, China, (August, 2006).

*Towards the 2007 Long Range Plan*, **R.E. Tribble**, **Invited Talk**, APS Division of Nuclear Physics, Nashville, Tennessee, (October, 2006).

*Radioactive Ion Beams at TAMU*, **R.E. Tribble**, **Invited Talk**, presentation to Nuclear Science Advisory Committee Task Force on Rare Ion Beams, Chicago, Illinois, (December 2006).

*How Does Nuclear Physics Apply To Astrophysics?*, **R.E. Tribble**, **Invited Talk**, North Houston Astronomy Club, Houston, Texas, (April, 2006).

*New Approaches to Old Problems with Asymptotic Normalization Coefficients*, **R.E. Tribble**, **Invited Talk**, Shanghai Institute of Applied Physics, Shanghai, China, (August, 2006).

*Understanding the Evolution of the Universe: A Nuclear Physics Perspective*, **R.E. Tribble**, University of Missouri – Columbia, Columbia, Missouri, (September, 2006).

*Stellar Evolution: A Nuclear Physics Perspective*, **R.E. Tribble**, Argonne National Laboratory, Argonne, Illinois, (December, 2006).

*QCD at High Energy/Small-x*, **C.A. Gagliardi**, **Invited Talk**, Workshop on Future Opportunities in QCD, Washington, DC, (December 2006).

*Exploring Muon Decay with TWIST*, **C.A. Gagliardi (for the TWIST Collaboration)**, **Invited Talk**, Joint Meet. Pacific Region Part. Phys. Communities (APS DPF2006+JPS2006), Honolulu, Hawaii, (October 2006).

*Recent Results from STAR*, **C.A. Gagliardi (for the STAR Collaboration)**, **Invited Talk**, IX Int. Conf. Nucl.-Nucl. Coll. (Nucleus-Nucleus 2006), Rio de Janeiro, Brazil, (August 2006).

*Transverse Spin Studies with STAR at RHIC*, **C.A. Gagliardi (for the STAR Collaboration)**, **Invited Talk**, XIV Int. Workshop Deep Inelastic Scatt. (DIS2006), Tsukuba, Japan, (April 2006).

*d+Au Collisions at STAR*, **C.A. Gagliardi (for the STAR Collaboration)**, XIV Int. Workshop Deep Inelastic Scatt. (DIS2006), Tsukuba, Japan, (April 2006).

*Nuclear Physics for Astrophysics with Radioactive Beams: Indirect Methods*, **L. Trache**, **Invited Talk**, Predeal International Summer school in Nuclear Physics, Predeal, Romania, (August 2006).

*Nuclear Physics for Astrophysics with Radioactive Beams: Indirect Methods*, **L. Trache**, **Invited Talk**, The 5<sup>th</sup> International Balkan School in Nuclear Physics, Brasov, Romania, (September 2006).

*Breakup and Transfer Reactions with Radioactive Beams for Nuclear Astrophysics*, **L. Trache**, HRIBF Workshop – Nuclear Measurements for Astrophysics, Oak Ridge, Tennessee, (October 2006).

*Cross Sections for Reactions in Explosive H-Burning from Indirect Methods*, **L. Trache**, T. Al-Abdullah, A. Banu, C. Fu, C.A. Gagliardi, J.C. Hardy, V.E. Iacob, M. McClesky, A.M. Mukhamedzhanov, G. Tabacaru, R.E. Tribble, and Y. Zhai, Minisymposium on Questions and Techniques in Low energy Nuclear Astrophysics Measurements, Nashville, Tennessee, (October 2006).

*Development of New Techniques to Determine Neutron and Charged-Particle Induced Reaction Rates*, **L. Trache**, R.E. Tribble, C.A. Gagliardi, A.M. Mukhamedzhanov, M. McClesky, SSAA Grants Symposium, Washington, DC, (February 2007).

*Determination of the Reaction Rate for  $^{17}\text{F}(p,\gamma)^{18}\text{Ne}$  using the Neutron Transfer reaction  $^{13}\text{C}(^{17}\text{O},^{18}\text{O})^{12}\text{C}$* , **T. Al-Abdullah**, X. Chen, C.A. Gagliardi, Y.-W. Lui, G. Tabacaru, Y. Tokimoto, L. Trache, R.E. Tribble, Y. Zhai, and C. Carstoiu, 2006 APS Division of Nuclear Physics Annual Meeting, Nashville, Tennessee, (October 2006).

*Beta-decay of Proton-Rich Nucleus  $^{23}\text{Al}$  and Astrophysical Consequences*, **Y.J. Zhai**, V.E. Iacob, T. Al-Abdullah, C. Fu, J.C. Hardy, N. Nica, H.-I. Park, G. Tabacaru, L. Trache, and R.E. Tribble, APS April Meeting, Dallas, Texas, (April 2006).

*Longitudinal Double-spin Asymmetry for Inclusive Jet Production in Polarized p+p Collisions at  $\sqrt{s} = 200$  Gev*, **M. Sarsour**, 2006 APS Division of Nuclear Physics Annual Meeting, Nashville, Tennessee, (October 2006).

*Recent Results from STAR Spin program at RHIC*, **M. Sarsour**, **Invited Talk**, APS Topic Group on Hadronic Physics, Nashville, Tennessee, (October 2006).

*Elliptic Flow Measurements of Inclusive Photons and Neutral Pion Reconstructions*, **Ahmed Hamed**, Wayne State University, Detroit, Michigan, (July 2006).

*Inclusive Photons-Charged Hardrons Azimuthal Correlations*, **Ahmed Hamed**, Star Analysis Meeting, Brookhaven National Laboratory, Upton, New York, (March 2007).

*Superallowed Nuclear Beta Decay: A Window on the Weak Interaction*, **J.C. Hardy, Invited Talk**, Bonner Prize Lecture, The American Physical Society April Meeting, Dallas, Texas, (April 2006).

*The Status of  $V_{ud}$* , **J.C. Hardy, Invited Talk**, Conference on the Intersections of Particle and Nuclear Physics, CIPANP 2006, Puerto Rico, (May 2006).

*Precision Measurements (two talks)*, **J.C. Hardy, Invited Lectures**, The RIA Summer School, Oak Ridge National Laboratory, Oak Ridge, Tennessee, (July 2006).

*The Value of  $V_{ud}$  from Nuclear Decays and summary of  $V_{ud}$* , **J.C. Hardy, Invited Talk**, The 4<sup>th</sup> International Workshop on the CKM Triangle (CKM2006), Nagoya, Japan, (December 2006).

*Superallowed Nuclear Beta Decay: A Window on the Weak Interaction*, **J.C. Hardy**, Colloquium at Texas A&M University, College Station, Texas, (March 2006).

*Precise Branching Ratio Measurements for the  $\beta$  Decay of  $^{21}\text{Na}$* , **V.E. Jacob**, J.C. Hardy, C.A. Gagliardi, J. Goodwin, N. Nica, H.-I. Park, G. Tabacaru, L. Trache, R.E. Tribble, Y.J. Zhai and I.S. Towner, APS Meeting, Dallas, Texas, (April 2006).

*Further Tests of Internal-Conversion Theory with Precise  $\gamma$  – and X – Ray Spectroscopy*, **N. Nica**, W.E. Rockwell, J.C. Hardy, V.E. Jacob, H.-I. Park, J. Goodwin and M.B. Trzhaskovskaya, APS Meeting, Dallas, Texas, (April 2006).

*Further Tests of Internal-Conversion Theory with Precise  $\gamma$  – and X – Ray Spectroscopy: Texas A&M Program to Measure  $^{134}\text{Cs}^m$  and  $^{137}\text{Ba}$* , **N. Nica**, National Nuclear Data Center, Brookhaven National Laboratory, Upton, New York, (June 2006).

*Mass-Chain Evaluation for ENSDF*, **N. Nica**, seminar at National Nuclear Data Center, Brookhaven National Laboratory, Upton, New York, (June 2006).

*Cross Section for reactions in Explosive H Burning from Indirect Methods*, **L. Trache**, T. Al-Abdullah, A. Banu, C. Fu, C.A. Gagliardi, J.C. Hardy, V.E. Jacob, M. McCleskey, A.M. Mukhamedzhanov, G. Tabacaru, R.E. Tribble, and Y.J. Zhai, 2006 APS Division of Nuclear Physics Annual Meeting, Nashville, Tennessee (October 2006).

*Measurement of the  $\gamma$  Branches in the  $\beta^+$  Decay of  $^{32}\text{Cl}$* , **D. Melconian**, C. Bordeanu, A. Garcia, J.C. Hardy, V.E. Jacob, N. Nica, H.-I. Park, G. Tabacaru, L. Trache, S. Triambak, R.E. Tribble and Y.J. Zhai, 2006 APS Division of Nuclear Physics Annual Meeting, Nashville, Tennessee (October 2006).

*Precise Half Life Measurement of  $^{10}\text{C}$* , **V.E. Jacob**, V. Golovko, J. Goodwin, J.C. Hardy, N. Nica, H.-I. Park, L. Trache and R.E. Tribble, 2006 APS Division of Nuclear Physics Annual Meeting, Nashville, Tennessee (October 2006).

*Validation of the GEANT4 Code for Simulations of a Plastic  $\beta$  Detector and Its Application to Efficiency Calibration*, **V. Golovko**, V.E. Jacob, and J.C. Hardy, 2006 APS Division of Nuclear Physics Annual Meeting, Nashville, Tennessee (October 2006).

*Further Tests of Internal-Conversion Theory with Precise  $\gamma$ - and x-Ray Spectroscopy: Texas A&M Program to Measure  $^{134}\text{Cs}^m$  and  $^{137}\text{Ba}$* , **N. Nica**, Predeal International School on Collective Motion and Phase Transitions in Nuclei, Predeal, Romania (August 2006).

*Evaluated Nuclear Data File*, **N. Nica**, Predeal International School on Collective Motion and Phase Transitions in Nuclei, Predeal, Romania (August 2006).

*Testing the Standard Model via Precise Measurements: the Cases of  $^{34}\text{Ar}$  and  $^{21}\text{Na}$* , **V.E. Jacob**, Predeal International School on Collective Motion and Phase Transitions in Nuclei, Predeal, Romania (August 2006).

*Further Tests of Internal-Conversion Theory with Precise  $\gamma$ - and x-Ray Spectroscopy: Texas A&M Program to Measure  $^{134}\text{Cs}^m$  and  $^{137}\text{Ba}$* , **N. Nica**, Meeting of the U.S. Nuclear Data Program, Upton, New York (November 2006).

*Results from RHIC and a Look to the Future*, **S. Mioduszewski**, **Invited Talk**, CAARI, Fort worth, Texas, (February 2006).

*Experimental Overview of High- $p_T$  Results from RHIC*, **S. Mioduszewski**, **Invited Talk**, Workshop on High- $p_T$  physics at LHC, Jyväskylä, Finland, (March 2007).

*Progress in Studies of Resonance Reactions Induced by r/a Beams*, **V.Z. Goldberg**, **Invited Talk**, The 56<sup>th</sup> International CONFERENCE – NUCLEUS 2006, Sarov, Russia (2006).

*The Lightest Drip-Line Nuclei and Hydrogen-7*, **V.Z. Goldberg**, Joint Institute of Nuclear Research, Dubna, Russia, (August 2006).

*Physicists, Governments, People and Weapon of Mass Destruction*, **V.Z. Goldberg**, University of Jyvaskyla, Finland, (September 2006).

*Study of  $^{18}\text{Ne}$  Structure by  $^{14}\text{O}+\text{Alpha}$  Elastic Resonance Reaction*, **Changbo Fu**, V.Z. Goldberg, G.V. Rogachev, G.G. Chubarian, G. Tabacaru, M. McCleskey, Y. Zhai, T. Al-Abdullah, L. Trache, A. Banu, R.E. Tribble, 2006 APS Division of Nuclear Physics Annual Meeting, Nashville, Tennessee, (October 2006).

*Single and Double Protons from the  $^{14}\text{O}+\text{alpha}$  Interaction*, **Changbo Fu**, V.Z. Goldberg, G.V. Rogachev, G.G. Chubarian, M. McCleskey, Y. Zhai, T. Al-Abdullah, L. Trache, A. Banu, R.E. Tribble, 2006 APS Division of Nuclear Physics Annual Meeting, Nashville, Tennessee, (October 2006).

*From Nuclear Collisions to the Equation of State of Nuclear Matter*, **J.B. Natowitz**, **Invited Talk**, Department of Chemistry, Washington University, St Louis, Missouri, (March 2006).

*Experimental Determination of the Symmetry Energy in a Low Density Nuclear Gas*, **J.B. Natowitz**, **Invited Talk**, Workshop on In Heaven and On Earth 2006 – The Equation of State in Astrophysics, Montreal, Canada, (July 2006).

*Expansion, Clustering and Symmetry Energies in Low Density Nuclear Gases*, **J.B. Natowitz**, **Invited Talk**, Gordon Research conference on Nuclear chemistry, New London, New Hampshire, (June 2006).

Experimental Determination of The Symmetry Energy of Low Density nuclear Matter, **J.B. Natowitz**, **Invited Talk**, NN2006 Conference, Rio de Janeiro, Brazil, (August, 2006).

*Nuclear Symmetry Energies at Low Density*, **J.B. Natowitz**, **Invited Talk**, Department of Physics, University of Padova, Italy, (March 2006).

*Nuclear Symmetry Energies at Low Density*, **J. B. Natowitz**, **Invited Talk**, Laboratory Nazionale di Sud, Catania, Italy, (March 2006).

*A Large Acceptance Spectrometer for Re-accelerated Radioactive Beams of  $E/A=6-25$  MeV at the US Advanced Exotic Beam Facility*, **G.A. Souliotis**, DNP/NSAC Town Meeting, Chicago, Illinois, (January 2007).

*Neutron-rich Rare Isotope Production at Fermi Energies and Application to the Texas A&M Radioactive Beam Upgrade Project*, **G.A. Souliotis**, **Invited Talk**, LNS, INFN, Catania, Italy, (December 2006).

*Properties of Hot Neutron-rich Nuclei Formed in Multifragmentation and Their Importance to Supernova Nucleosynthesis*, **G.A. Souliotis**, **Invited Talk**, Institute of Nuclear Physics of NCSR 'Demokritos', Athens, Greece, (November 2006).

*Symmetry Energy of Hot Heavy Fragments Produced in the Multifragmentation of Neutron-rich Systems at Fermi Energies*, **G.A. Souliotis**, 2006 APS Division of Nuclear Physics Annual Meeting, Nashville, Tennessee, (October 2006).

*Symmetry Energy, Temperature, Density, and Isoscaling Parameter as a Function of Excitation Energy in  $A \sim 100$  Mass Region*, **D.V. Shetty**, 2006 APS Division of Nuclear Physics Annual Meeting, Nashville, Tennessee, (October 2006).

*Multifragmentation Reactions, Phase Transitions and the Nuclear EOS*, **S.J. Yennello**, **Invited Talk**, International Summer School in Nuclear Physics Collective Motion and Phase Transitions in Nuclear Systems, Predeal, Romania, (September 2006).

*Extracting Information about the Symmetry Energy Using Heavy-ion Collisions*, **S.J. Yennello**, **Invited Talk**, International Summer School in Nuclear Physics Collective Motion and Phase Transitions in Nuclear Systems, Predeal, Romania, (September 2006).

*Rare Isotope Production around and below the Fermi Energy and its Application to the Texas A&M Radioactive Beam Upgrade*, **G.A. Souliotis**, **Invited talk**, 232<sup>nd</sup> National Meeting of the American Chemical Society, San Francisco, California, (September 2006).

*Properties of Hot Nuclear Fragments Formed in Multifragmentation and Their Astrophysical Implications*, **G.A. Souliotis**, 19<sup>th</sup> International Conference on the Application of Accelerators in Research and Industry (CAARI), Fort Worth, Texas, (August 2006).

*Rare Isotope Production in the Fermi Energy Regime and Application to the Texas A&M RIB Upgrade*, **G.A. Souliotis**, **Invited Talk**, 19<sup>th</sup> International Conference on the Application of Accelerators in Research and Industry (CAARI), Fort Worth, Texas, (August 2006).

*Constraining the Density Dependence of Symmetry Energy in the Nuclear Equation of State Using Heavy Ion Beams*, **D.V. Shetty**, **Invited Talk**, 19<sup>th</sup> International Conference on the Application of Accelerators in Research and Industry (CAARI), Fort Worth, Texas, (August 2006).

*Neutron-rich Rare Isotope Production below the Fermi Energy and Its Application to the Texas A&M RIB Upgrade*, **G.A. Souliotis**, **Invited Talk**, Institute of Physics of the Slovak Academy of Science, Bratislava, Slovakia, (July 2006).

*Neutron-rich Rare Isotope Production below the Fermi Energy and Its Application to the Texas A&M RIB Upgrade*, **G.A. Souliotis**, 7<sup>th</sup> International Conference on radioactive nuclear beams (RNB7), Cortina d'Ampezzo, Italy, (July 2006).

*Extracting Information about the Symmetry Energy Using Heavy-ion Collisions*, **S.J. Yennello**, **Invited Talk**, Nuclear Chemistry Gordon Conference, New Hampshire, (June 2006).

*Density Dependence of the Symmetry Energy in the Equation of State of Asymmetric Nuclear Matter*, **D.V. Shetty**, APS Meeting, Dallas, Texas, (April 2006).

*Exploring the Evolution of the Symmetry Energy of Hot Fragments from the Compound Nucleus towards Bulk Multifragmentation*, **S.J. Yennello**, APS meeting, Dallas, Texas, (April 2006).

*Properties of Hot Neutron-drip-line Nuclei Formed in the Multifragmentation of Neutron-rich Systems. Importance to Supernova Nucleosynthesis*, **G.A. Souliotis**, **Invited Talk**, Department of Physics, Notre Dame University, south Bend, Indiana, (April 2006).

*Quasielastic and Deep-inelastic Collisions with Stable and Re-accelerated Beams at  $E/A=10-20$  MeV/nucleon*, **G.A. Souliotis**, ATLAS User Group Meeting, Physics Division, Argonne National Laboratory, Argonne Illinois, (April 2006).

*Properties of Hot Neutron-rich Nuclei Formed in Multifragmentation and Their Importance to Supernova Nucleosynthesis*, **G.A. Souliotis**, **Invited Talk**, Department of Physics, Western Michigan University, Kalamazoo, Michigan, (April 2006).

*Studying the Symmetry Energy of Excited Projectile-like Sources*, **A.L. Keksis**, APS meeting, Dallas, Texas, (April 2006).

*Collective Dynamics in Heavy Ion Collisions at FAIR*, **C.M. Ko**, **Invited Talk**, International Workshop on the Physics of High Density Matter, Trento, Italy, (May 2006).

*Quark Coalescence in Relativistic Heavy Ion Collisions*, **C.M. Ko**, **Invited Talk**, Gordon Research Conference in Nuclear Chemistry, New London, New Hampshire, (June 2006).

*Viscous Effects on Flow at RHIC*, **C.M. Ko**, **Invited Talk**, AGS/RHIC Users' Meeting Workshop, Brookhaven National Laboratory, Upton, New York, (June 2006).

*Suppression of heavy quarks in Heavy-Ion Collisions*, **C.M. Ko**, **Invited Talk**, 2<sup>nd</sup> International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions, Pacific Grove, California, (June 2006).

*Searching for the Quark-Gluon Plasma in Relativistic Heavy Ion Collisions*, **C.M. Ko**, **Invited Talk**, Summer School on Nuclear Collective Dynamics III, Istanbul, Turkey, (June 2006).

*Jet Conversions in the Quark-Gluon Plasma*, **C.M. Ko**, **Invited Talk**, International Symposium on Multiparticle Dynamics, Paraty, Brazil, (September 2006).

*Heavy Ion Collisions at LHC in a Multiphase Transport Mode*, **C.M. Ko**, **Invited Talk**, International Workshop on Particle Correlations and Femtoscopy, Sao Paulo, Brazil, (September 2006).

*Partonic Transport Description of Heavy Ion Collisions*, **C.M. Ko**, **Invited Talk**, The 19<sup>th</sup> International Conference on Ultra-Relativistic Nucleus-Nucleus Collisions, Shanghai, China, (November 2006).

*Heavy Quark Three-Body Scattering in QGP*, **C.M. Ko**, **Invited Talk**, International Workshop on Selected Topics in Heavy Flavor Production in High-Energy Collisions, Beijing, China, (November 2006).

*Indirect Techniques in Nuclear Astrophysics*, **A.M. Mukhamedzhanov**, **Invited Talk**, IX International Conference on Nucleus Nucleus Collisions 2006 - NN2006, Rio-de Janeiro, Brazil, (August 2006).

*Theory of the Trojan Horse*, **A.M. Mukhamedzhanov**, **Invited Talk**, University of Notre Dame, South Bend, Indiana, (October, 2006).

*Trojan Horse as Indirect Technique in Nuclear Astrophysics*, **A.M. Mukhamedzhanov**, 2006 APS Division of Nuclear Physics Annual Meeting, Nashville, Tennessee, (October 2006).

*Nuclear Reactions and Nuclear Astrophysics*, **A.M. Mukhamedzhanov**, Town meeting, Chicago, Illinois, (January 2007).

*Overlap Functions and Nuclear Reactions Future*, **A.M. Mukhamedzhanov**, Town meeting, Chicago, Illinois, (January 2007).

*Indirect Techniques in Nuclear Astrophysics: Asymptotic Normalization Coefficient and Trojan Horse*, **A.M. Mukhamedzhanov**, Town meeting, Chicago, Illinois, (January 2007).

*Indirect Techniques in Nuclear Astrophysics: Asymptotic Normalization Coefficients and Trojan Horse*, **A.M. Mukhamedzhanov**, **Invited Talk**, Joint Japanese-American Meeting, Oak Ridge National Laboratory, Oak Ridge, Tennessee, (March 2007).

*Indirect Techniques in Nuclear Astrophysics*, **A.M. Mukhamedzhanov**, Nuclear Physics in Nuclear Astrophysics III, Dresden, Germany, (March 2007).

*Charm and Charmonium in the Quark-Gluon Plasma*, **R. Rapp**, **Invited Talk**, International Workshop on Continuous Advances in QCD, University of Minnesota, Minneapolis, Minnesota, (May 2006).

*Dileptons and Medium Effects in Heavy-Ion Collisions*, **R. Rapp**, **Invited Talk**, The 5<sup>th</sup> International Conference on Perspectives in Hadronic Physics, Trieste, Italy, (May 2006).

*Phenomenology of Dilepton Production in Heavy-Ion Collisions*, **R. Rapp**, **Invited Talk**, The International Workshop on “The Physics of Compressed Baryonic Matter”, ECT\* Trento, Italy, (May 2006).

*Kinetics of Charm in Medium*, **H. van Hees**, **Invited Talk**, The International Workshop on “The Physics of Compressed Baryonic Matter”, ECT\* Trento, Italy, (May 2006).

*Q-Qbar Modes in the Quark-Gluon Plasma*, **D. Cabrera**, IV<sup>th</sup> International Conference on Quarks and Nuclear Physics, Madrid, Spain, (June 2006).

*The Kaon Optical Potential modified by Theta<sup>+</sup> Pentaquark Excitation*, **D. Cabrera**, IV<sup>th</sup> International Conference on Quarks and Nuclear Physics, Madrid, Spain, (June 2006).

*Electromagnetic and Heavy-Quark Probes of the Quark-Gluon Plasma*, **R. Rapp**, **Invited Talk**, The International Symposium on “Hadrons, Nuclei and Stars” on the Occasion of G.E. Brown’s 80<sup>th</sup>, P. Braun-Munzinger’s and W. Weise’s 60<sup>th</sup> Birthday, Darmstadt, Germany, (June 2006).

*Medium Modifications of Hadrons and the NA60 Dimuon Data*, **H. van Hees**, Frankfurt University, Frankfurt, Germany, (June 2006).

*Quarkonia in Medium and their Fate at Future RHIC*, **R. Rapp**, **Invited Talk**, The International Workshop on “Future Prospects in QCD at High Energy”, Brookhaven National Laboratory, Upton, New York, (July 2006).

*Sonden des Quark-Gluon Plasmas: Schwere Quarks und Thermische Strahlung*, **R. Rapp**, Tübingen University, Tübingen, Germany, (July 2006).

*Kinetics of Charm in Medium*, **H. van Hees**, Los Alamos National Laboratory, Los Alamos, New Mexico, (July 2006).

*Hot and Dense QCD Matter and Heavy-Ion Collisions*, **R. Rapp**, **Invited Talk**, 19<sup>th</sup> International Conference on the Application of Accelerators in Research and Industry (CAARI 2006), Fort Worth, Texas, (August 2006).

*Melting Rho Meson and Thermal Dileptons*, **R. Rapp**, XXXVI International Symposium on Multiparticle Dynamics, Paraty, Rio de Janeiro, Brazil, (September 2006).

*Heavy-Quark Energy Loss in the QGP and non-photon Single-Electron Observables*, **H. van Hees**, **Invited Talk**, Pre-conference workshop on “Properties and Signatures of sQGP”, 2006 APS Division of Nuclear Physics Annual Meeting, Nashville, Tennessee, (October 2006).

*In-Medium Modifications of Hadrons and the NA60 Dimuon Measurements*, **H. van Hees**, 2006 APS Division of Nuclear Physics Annual Meeting, Nashville, Tennessee, (October 2006).

*T-Matrix Approach to Quarkonium Correlation Functions in the QGP*, **D. Cabrera**, 2006 APS Division of Nuclear Physics Annual Meeting, Nashville, Tennessee, (October 2006).

*Properties of Vector Mesons in Matter – Theory and Phenomenology*, **R. Rapp**, **Invited Talk**, The 19<sup>th</sup> International Conference on Ultrarelativistic Nucleus-Nucleus Collisions (Quark Matter 2006), Shanghai, China, (November 2006).

*Theoretical Interpretation of Recent SPS Dilepton Data*, **H. van Hees**, The 19<sup>th</sup> International Conference on Ultrarelativistic Nucleus-Nucleus Collisions (Quark Matter 2006), Shanghai, China, (November 2006).

*Heavy Quarks and Quark-Gluon Plasma*, **R. Rapp**, State University of New York at Stony Brook, Stony Brook, New York, (January 2007).



*Heisse und Dichte Materie und Ultrarelativistische Schwerionenkollisionen*, **R. Rapp**, **Invited Talk**, XXXVIII. Arbeitstreffen Kernphysik, Schleching, Germany, (February 2007).

*Quark and Gluon Jet Conversion in the Quark-Gluon Plasma*, **Wei Liu**, **Invited Talk**, Brookhaven National Laboratory, Upton, New York, (October 2006).

*Heavy Quark Energy Loss due to Three-Body Scattering in a Quark-Gluon Plasma*, **Wei Liu**, **Invited Talk**, Quark Matter 2006, Shanghai, China, (November 2006).

*Hard Probes in quark Gluon Plasma*, **Wei Liu**, **Invited Talk**, Shanghai University, Shanghai, China (November 2006).

*Jet Quenching and Conversions in a Quark Gluon Plasma*, **Wei Liu**, **Invited Talk**, Fudan University, Shanghai, China, (November 2006).

*Fully Self Consistent Description of Collective Modes in Nuclei*, **S. Shlomo**, **Invited Talk**, Ben-Gurion University, Beer Sheva, Israel, (May 2006).

*The Equation of Symmetric and Asymmetric Nuclear Matter*, **S. Shlomo**, **Invited Talk**, International Conference on Actual Problems of Nuclear Physics and Atomic energy (NPAAE006), Kiev, Ukraine, (May 2006).

*Nuclear Matter Properties from Collective Modes in Nuclei*, **S. Shlomo**, **Invited Talk**, International Conference on Nuclear Structure Physics, Shanghai, China, (June 2006).

*Some Thoughts on BRAHMS Physics*, **R.J. Fries**, **Invited Talk**, BRAHMS Collaboration Meeting, College Station, Texas, (October 2006).

*Early Time Evolution of High Energy Ion Collisions*, **R.J. Fries**, XIX International Conference on Ultrarelativistic Nucleus-Nucleus Collisions (Quark Matter 2006), Shanghai, China, (November 2006).

*Precision Probes for Hot QCD Matter*, **R.J. Fries**, **Invited Talk**, QCD Workshop in Preparation of the Town Meeting in January, Washington DC, (December 2006).

*Early Time Evolution of Heavy Ion Collisions*, **R.J. Fries**, **Invited Talk**, Strongly Coupled Quark-Gluon Plasma: SPS, RHIC and LHC, Nagoya, Japan, (February 2007).