

TALKS PRESENTED
APRIL 1, 1998 - MARCH 31, 1999

Giant Monopole Resonance and Nuclear Matter Incompressibility, D.H. Youngblood, Invited Talk, Proc. of the Topical Conference on Giant Resonances, Varenna, Italy (May 1998).

Recent Experimental Results on Compression Mode Isoscalar Giant Resonances, D.H. Youngblood, Invited Talk, RIKEN Symposium and Workshop on Selected Topics in Nuclear Collective Excitations (NUCOLEX99), Wako-Saitama, Japan (March 1999).

Giant Resonance Strength Distribution in Nuclei with $A \approx 60$, Y.-W. Lui, H.L. Clark and D.H. Youngblood, Proc. of the Topical Conference on Giant Resonances, Varenna, Italy (May 1998).

Giant Monopole Resonance: From ^{12}C to ^{208}Pb , Y.-W. Lui, H.L. Clark, D.H. Youngblood, RIKEN Symposium and Workshop on Selected Topics in Nuclear Collective Excitations (NUCOLEX99), Wako-Saitama, Japan (March 1999).

Incompressibility of Nuclear Matter from Giant Monopole Energies, H.L. Clark, Y.-W. Lui, D.H. Youngblood, 1998 Joint APS/AAPT Meeting, Columbus, Ohio, Bull. Am. Phys. Soc. M23.12, (April 1998).

Multipole Strength Decomposition of High-lying Giant Resonance Structure in ^{90}Zr , ^{116}Sn , ^{144}Sm and ^{208}Pb Excited by 240 MeV Alpha Scattering, H.L. Clark, Y.-W. Lui, and D.H. Youngblood, K. Bachtr, U. Garg, M.N. Harakeh and N. Kalantar-Nayestanaki, Proc. of the Topical Conference on Giant Resonances, Varenna, Italy (May 1998).

Recent Experimental Results for the Isoscalar Giant Dipole Resonance, H.L. Clark, Y.-W. Lui, D.H. Youngblood, RIKEN Symposium and Workshop on Selected Topics in Nuclear Collective Excitations (NUCOLEX99), Wako-Saitama, Japan (March 1999).

\bar{d}/\bar{u} Asymmetry in the Nucleon Sea, C. Gagliardi, ISHEPP Conference, Dubna, Russia (August 1998).

\bar{d}/\bar{u} Asymmetry in the Nucleon Sea, C. Gagliardi, INPC '98 Conference, Paris, France (August 1998).

Determination of $S_{17}(0)$ from Transfer Reactions, R.E. Tribble, Invited Talk, ENAM98 (International Conference on Exotic Nuclei and Atomic Masses), Bellaire, Michigan (June 1998).

A Determination of $S_{17}(0)$ from Asymptotic Normalization Coefficients, R.E. Tribble, Nuclear Physics Institute, Prague, Czech Republic (September 1998).

Astrophysical S-factors from Asymptotic Normalization Coefficients, R.E. Tribble, Invited Talk, APS/DNP Fall Meeting, Santa Fe, New Mexico (October 1998).

Astrophysical S-factors from Asymptotic Normalization Coefficients, R.E. Tribble, Invited Talk, International Workshop on Rare Nuclear Processes, New Delhi, India (November 1998).

Nuclear Astrophysics – in Laboratory for the Stars, L. Trache, Invited Talk, National Institute for Physics and Nuclear Engineering, Bucharest, Romania (July 1998).

Optical Model Potentials for Stable and Unstable p-shell Nuclei, L. Trache, A. Azhari, H. L. Clark, C. A. Gagliardi, Y.-W. Lui, A.M. Mukhamedzhanov, R.E. Tribble, H.M. Xu and F. Carstoiu, Fall Meeting of the Division of Nuclear Physics of the American Physical Society, Santa Fe, New Mexico (October 1998).

About Compactness of Faddeev Integral Equations for Three Charges Particles, A.M. Mukhamedzhanov, E.O. Alt, G.V. Avakov, Invited Talk, University of Freiburg, Germany (June 1998).

About Compactness of Faddeev Integral Equations for Three Charges Particles, A.M. Mukhamedzhanov, E.O. Alt, G.V. Avakov, Few-Body Problems in Physics, Autrans, France (June 1998).

Proton-hydrogen Collisions in a First Order Three-Body Approach, A.M. Mukhamedzhanov, E.O. Alt, A.S. Kadyrov, Invited Talk, University of Freiburg, Germany (June 1998).

Asymptotic Normalization Coefficients and Astrophysical Radiative Capture Processes, A.M. Mukhamedzhanov, A. Azhari, C.A. Gagliardi, L. Trache, R.E. Tribble, Centennial APS Meeting, Atlanta, Georgia (March 1999).

About Compactness of Faddeev Integral Equations for Three Charges Particles, A.M. Mukhamedzhanov, E.O. Alt, G.V. Avakov, APS Centennial Meeting, Atlanta, Georgia (March 1999).

Mass Dependence of Drell-Yan Dimuon Production in pA Collisions, M. Vasilyev, APS/DNP '98 Meeting, Santa Fe, New Mexico (October 1998).

Nuclear Dependence of Drell-Yan Dimuon Production in 800 GeV pA Collisions, M. Vasilyev, APS Centennial Meeting, Atlanta, Georgia (March 1999).

Superaligned Fermi Beta Decay--Status and Future Prospects ENAM 98, J.C. Hardy, Invited Talk, Second International Conference on Exotic Nuclei and Atomic Masses, Bellaire, Michigan (June 1998).

Superaligned Fermi Beta Decay and Coulomb Mixing in Nuclei, J.C. Hardy, Invited Talk, Nuclear Structure '98, Gatlinburg, Tennessee (August 1998).

Isospin Observables in Heavy-Ion Reactions, S.J. Yennello, 1998 Nuclear Chemistry Gordon Conference, Colby-Sawyer College, New London, New Hampshire (June 1998).

Isotopic Effects in Projectile Fragmentation, S.J. Yennello, American Chemical Society, Boston, Massachusetts (August 1998).

Heavy-ion Reaction Studies with Radioactive (and other isospin selected) Nuclear Beams, S.J. Yennello, Invited Talk, Baylor University, Waco, Texas (September 1998).

Target N/Z Effects in Projectile Fragmentation, S.J. Yennello, Fifteenth Winter Workshop on Nuclear Dynamics, Park City, Utah (January 1999).

Nuclear Chemistry and Its Applications, S.J. Yennello, Texas Alliance for Science Mathematics and YOUTH Symposium, Texas A&M University, College Station, Texas (March 1999).

Target Neutron Skin Effect on Projectile Fragmentation, **R. Laforest**, E. Ramakrishnan, D.J. Rowland, E. Winchester, S.J. Guzman and S.J. Yennello, 1998 Joint APS/AAPT Meeting, Columbus, Ohio, *Bull. Am. Phys. Soc.* **43** (April 1998).

Average Neutron to Proton Content of Fragments Emitted From Excited Nuclear Systems, **E. Martin**, S.J. Yennello, D.J. Rowland, E. Ramakrishnan, R. Laforest, E. Winchester, A. Ruangma, APS DNP '98 Meeting, Santa Fe, New Mexico, *Bull. Am. Phys. Soc.* **43** (October 1998).

Isotopic Yields of Fragments From the Reactions of ^{20}Na , ^{20}Ne , $^{20}\text{F}+^{197}\text{Au}$ at $E_{\text{beam}}=32$ MeV/nucleon, **D.J. Rowland**, R. Laforest, F. Gimeno-Nogues, E. Ramakrishnan, E. Winchester, A. Ruangma, E. Martin, S. Ferro, B. Delafield, S. Guzman, S.J. Yennello, APS DNP '98 Meeting, Santa Fe, New Mexico, *Bull. Am. Phys. Soc.* **43** (October 1998).

Isospin Effects on Observables for Heavy Ion Reactions Using Constant Mass Projectiles and Targets, **E.M. Winchester**, S.J. Yennello, H. Johnston, J.A. Winger, E. Ramakrishnan, R. Laforest, G.D. Westfall, A. Vander Molen, M. Steiner, E. Gualtieri, B.M. Sherrill, W. Benenson, D.J. Morrissey, T. Li, D. Craig, R. Pak, J. Yee, B. Young, D. Bazin, J.S. Winfield, E. Norbeck, APS DNP '98 Meeting, Santa Fe, New Mexico, *Bull. Am. Phys. Soc.* **43** (October 1998).

Separating the Different Stages in Complex Multifragmentation Reactions, **J.B. Natowitz**, Invited Talk, Workshop on Nuclear Matter in Different Phases and Transitions, Les Houches, France (April 1998).

Dynamic Evolution and the Disassembly of Hot Nuclei, **J.B. Natowitz**, Invited Talk, DANF '98 International Conference, Casta-Papiernicka, Slovak Republic (October 1998).

Dynamic Evolution and Caloric Curves, **J.B. Natowitz**, Invited Talk, Hirscheegg '99: Multifragmentation Workshop, Hirscheegg, Austria (January 1999).

Light Particle Probes of Dynamic Evolution in Multifragmentation Reactions, **K. Hagel**, Invited Talk, Phase Transition Conference, Copenhagen, Denmark (November 1998).

Light Particle Emission as a Probe of Expansion and Thermalization in Multifragmentation Reactions, **J. Cibor**, Invited Talk, American Chemical Society, Boston, Massachusetts (August 1998).

Light Particle Probes of Multifragmentation at 47A MeV, **J. Cibor**, APS DNP '98 Meeting, Santa Fe, New Mexico (October 1998).

Dynamic Evolution and the Caloric Curve for A~125 Nuclei, **J. Cibor**, APS Centennial Meeting, Atlanta, Georgia (March 1999).

Fragment Excitation in Central Collisions, **A. Chibhi**, Gordon Research Conference, Colby-Sawyer College, New London, New Hampshire (June 1998).

Interferrometry and Particle Spectra From NA44, **M. Murray**, Invited Talk, University of Bergen, Copenhagen, Sweden (June 1998).

Source Sizes, Spectra & Freezeout, **M. Murray**, APS DNP '98 Meeting, Santa Fe, New Mexico (Oct. 1998).

Anti-Deuterons, Interferometry and Flow, M. Murray, Invited Talk, The University of Texas at Arlington, Arlington, Texas (March 1999).

Zero Degree Calorimetry for RHIC, A. Makeev, APS Centennial Meeting, Atlanta, Georgia (March 1999).

Angular Momentum Effects in Multimodal Fission of ^{226}Th , G. Chubarian, Second International Conference on Exotic Nuclei and Atomic Masses, Bellaire, Michigan (June 1998).

Observation of Fission Modes in Transitional At-Th Region, G. Chubarian, GANIL, Caen, France (July 1998).

Fission Dynamics Studies With Large Gamma and Neutron Arrays (Present and Future), G. Chubarian, FLNR, JINR, Dubna, Russia (July 1998).

Fission Fragment Mass-Energy Distributions and Gamma Ray Multiplicities in Multimodal Fission of Light Thorium Isotopes, G. Chubarian, The 4th International Conference on Dynamical Aspects of Nuclear Fission, Casta-Papiernicka, Slovak Republic (October 1998).

Fission of Excited Nuclei: Mass and Energy Distributions, G. Chubarian, Nuclear Shapes and Motions, A Symposium in Honor of Ray Nix, Santa Fe, New Mexico (October 1998).

Properties of Fission Fragments in Heavy-Ion Induced Reactions, G. Chubarian, Invited Talk, NPL University of Washington, Seattle, Washington (January 1999).

Strangeness Production and Flow, C.M. Ko, Invited Talk, Institute for Nuclear Theory, University of Washington, Seattle, Washington (April 1998).

Dilepton Production From Hot Dense Matter, C. M. Ko, Invited Talk, Institute for Nuclear Theory, University of Washington, Seattle, Washington (April 1998).

Properties of Hadrons in the Nuclear Medium, C. M. Ko, Invited Talk, Physics Department, National Taiwan University, Taipei, Taiwan (May 1998).

Medium Effects in High Energy Heavy Ion Collisions, C. M. Ko, Invited Talk, Physics Department, National Taiwan University, Taipei, Taiwan (May 1998).

Meson Mass in Nuclear Medium, C.M. Ko, 1998 Nuclear Chemistry Gordon Conference, Colby-Sawyer College, New London, New Hampshire (June 1998).

Description of Heavy Ion Collisions, C.M. Ko, International School on Nuclear Physics, Erice, Italy (September 1998).

Role of Baryons in Low-Mass Dilepton Production, C.M. Ko, Workshop on Electromagnetic Probes of In-Medium Effects in Strongly Interaction Systems, ETC*, Trento, Italy, (March 1999).

Relativistic Heavy-Ion Collisions, B.-A. Li, Physics Department, Fayetteville State University, Fayetteville, North Carolina (April 1998).

Isospin Dependence of Nuclear Collective Flow, **B.-A. Li**, **Invited Talk**, INPC '98 Conference, Paris, France (August 1998).

Parton Cascade for RHIC, **B. Zhang**, Program on Probes of Dense Matter in Ultrarelativistic Heavy Ion Collisions, University of Washington, Seattle, Washington (June 1998).

Analytic Tests of Parton Cascade Models, **B. Zhang**, RHIC '98 Summer Study Workshop, Brookhaven National Lab, Upton, New York (July 1998).

A Transport Model for Heavy Ion Collisions at RHIC, **B. Zhang**, APS Centennial Meeting, Atlanta, Georgia (March 1999).

"Bare" Single Particle Energy in ^{56}Ni , **S. Shlomo**, **Invited Talk**, Spectroscopy of Nuclei Far From Beta-Stability, The European Center For Theoretical Studies in Nuclear Physics and Related Areas (ECT*), Trento, Italy (June 1998).

Magnetic Dipole Moments of Odd-Odd $N=Z$ Nuclei, **S. Shlomo**, **Invited Talk**, Spectroscopy of Nuclei Far From Beta-Stability, The European Center For Theoretical Studies in Nuclear Physics and Related Areas (ECT*), Trento, Italy (June 1998).

Excitation of Isoscalar Giant Monopole Resonance by Inelastic Scattering of 240 MeV α -Particles, **S. Shlomo**, **Invited Talk**, Selected Topics in Nuclear Collective Excitations (NUCOLEX 99), RIKEN publication (March 1999).

Status of Nuclear Matter Incompressibility Coefficient, **S. Shlomo**, **Invited Talk**, Selected Topics in Nuclear Collective Excitations (NUCOLEX 99), RIKEN publication (March 1999).

Cross Sections for K-Vacancy Production by Heavy Ion Impact, **R.L. Watson**, **Invited Talk**, 15th International Conference on the Application of Accelerators in Research and Industry, Denton, Texas (November 1998).

Projectile Z-Dependence of K and L X-Ray Production at 10 MeV/u, **R.L. Watson**, J.M. Blackadar and V. Horvat, Meeting of the Division of Atomic, Molecular, and Optical Physics of the American Physical Society, Santa Fe, New Mexico, Bull. Am. Phys. Soc. **43** (May 1998).

K X Rays Excited by Fast-Heavy Ion Bombardment, **J.M. Blackadar**, Los Alamos National Laboratory, Los Alamos, New Mexico (January 1999).

K X Rays Excited by Fast-Heavy Ion Bombardment, **J.M. Blackadar**, University of Missouri at Rolla, Rolla, Missouri (February 1999).

ECR Ion Sources for Accelerators, **D.P. May**, 15th International Conference on Cyclotrons and their Applications, Caen, France (June 1998).