

APRIL 1, 1999 - MARCH 31, 2000

Incompressibility of Nuclear Matter from Giant Resonances, **D.H. Youngblood**, **Invited Talk**, EOS2000, Darmstadt, Germany (February 2000).

Compressibility of Nuclear Matter, **D.H. Youngblood**, **Invited Talk**, Town Meeting on Opportunities in Nuclear Astrophysics, University of Notre Dame, South Bend, IN (June 1999).

Antiquarks in Nucleons and Nuclei, **C.A. Gagliardi**, **Invited Talk**, Nuclear Physics Institute, Czech Academy of Sciences, Prague-Rez, Czech Republic (March 2000).

Antiquarks in Nucleons and Nuclei, **C.A. Gagliardi**, Colloquium, Physics Department, Texas A&M University, College Station, TX (March 2000).

Radioactive Nuclear Beams at the Texas A&M University K500 Cyclotron, **C.A. Gagliardi**, A. Azhari, L. Trache, R.E. Tribble, S.J. Yennello, Annual Meeting of the Division of Nuclear Physics of the American Physical Society, Mini-symposium on Radioactive Beams, Asilomar, CA (October 1999).

Nuclear Dependence of Drell-Yan and Charmonium Production in 800 GeV/c p-A Collisions, **C.A. Gagliardi**, **Invited Talk**, (for the FNAL E866/NuSea Collaboration), International Workshop on the Role of the Nuclear Medium in Deep-Inelastic Scattering, Trento, Italy (October 1999).

Asymptotic Normalization Coefficients and ${}^7\text{Be}(p, \gamma){}^8\text{B}$, **C.A. Gagliardi**, **Invited Talk**, Third International Conference Modern Problem Nuclear Physics, Bukhara, Uzbekistan (August 1999).

Light Antiquark Flavor Asymmetry in the Nucleon Sea, **C.A. Gagliardi** (for the FNAL E866/NuSea Collaboration), **Invited Talk**, XVth Particle Nuclear International Conference (PANIC '99), Uppsala, Sweden (June 1999).

New Limit on the Branching Ratio for $\mu - e \gamma$, **C.A. Gagliardi** (for the MEGA Collaboration), **Invited Talk**, TRIUMF, Vancouver, BC, Canada (May 1999).

Nuclear Astrophysics at TAMU, **R.E. Tribble**, National Institute of Radiological Sciences, Chiba, Japan (January 2000).

Direct Capture S-factors from Asymptotic Normalization Coefficients, **R.E. Tribble**, **Invited Talk**, OMEG2000, Tokyo, Japan (January 2000).

Asymptotic Normalization Coefficients from Direct Transfer Reactions with Applications to Nuclear Astrophysics, **R.E. Tribble**, **Invited Talk**, International Symposium on Spins in Nuclear and Hadronic Reactions, Tokyo, Japan (October 1999).

What can we Learn from Peripheral Transfer Reactions?, **R.E. Tribble**, **Invited Talk**, International Workshop on Direct Reactions with Radioactive Beams, East Lansing, MI (July 1999).

A Dependence of Drell-Yan and J/ψ Production from Nuclear Targets, **R. E. Tribble** (for the E866 Collaboration), **Invited Talk**, PANIC Conference, Uppsala, Sweden (June 1999).

*Indirect Determination of the ${}^7\text{Be}(p, \gamma){}^8\text{B}$ Astrophysical S-factor from Reactions Induced by a ${}^7\text{Be}$ Radioactive Beam, **R.E. Tribble, Invited Talk**, ENPE 99, Seville, Spain (June 1999).*

*Few-Body Approach to Coulomb Breakup Reactions to Determine Astrophysical Factors, **A. Mukhamedzhanov**, E.O. Alt, B.F. Irgaziev, A. Muminov, **Invited Talk**, NSCL, Michigan State University, East Lansing, MI (March 2000).*

*Asymptotic Normalization Coefficients and Astrophysical Radiative Capture Processes, **A. Mukhamedzhanov**, A. Azhari, C.A. Gagliardi, A. Sattarov, X. Tang, L. Trache, R.E. Tribble, V. Burjan, V. Kroha and F. Carstoiu, **Invited Talk**, NSCL, Michigan State University, East Lansing, MI (March 2000).*

*Few-Body Approach to Coulomb Breakup Reactions to Determine Astrophysical Factors, **A. Mukhamedzhanov**, E.O. Alt, B.F. Irgaziev, A. Muminov, **Invited Talk**, University of North Carolina, Chapel Hill, NC (March 2000).*

*Asymptotic Normalization Coefficients and Astrophysical Radiative Capture Processes, **A. Mukhamedzhanov**, A. Azhari, C.A. Gagliardi, A. Sattarov, X. Tang, L. Trache, R.E. Tribble, V. Burjan, V. Kroha and F. Carstoiu, **Invited Talk**, TUNL, Duke University, Durham, NC (March 2000).*

*Nuclear Astrophysics in the Lab, **A. Mukhamedzhanov, Invited Talk**, Physics Department of University of Arkansas, Fayetteville, AR (December 1999).*

*Asymptotic Normalization Coefficients and Astrophysical Factors, **Akram Mukhamedzhanov**, International Asian-Pacific Few-Body Conference, Tokyo, Japan (August 1999).*

*Proton-hydrogen Charge Exchange and Elastic Scattering in Faddeev Approach, **Akram Mukhamedzhanov, Invited Talk**, International Asian-Pacific Few-Body Conference, Tokyo, Japan (August 1999).*

*Asymptotic Normalization Coefficients and Astrophysical Radiative Capture Reactions, **Akram Mukhamedzhanov**, Town Meeting on Opportunities in Nuclear Astrophysics, University of Notre Dame, South Bend, IN (June 1999).*

*Nuclear Astrophysics with Radioactive Beams, **L. Trache**, A. Azhari, H.L. Clark, C.A. Gagliardi, Y.-W. Lui, A.M. Mukhamedzhanov, X. Tang, R.E. Tribble, V. Burjan, J. Cejpek, V. Kroha, S. Piskor, J. Vincour and F. Carstoiu, **Invited Talk**, Advances in Nuclear Physics Symposium, Bucharest, Romania (December 1999).*

*Research at the K500 Superconducting Cyclotron of TAMU, **L. Trache, Invited Talk**, 2nd Biennial Workshop on Nuclear Structure Physics Near the Coulomb Barrier: Into the 21st Century, Yale A.W. Wright Nuclear Structure Laboratory, Yale University, New Haven, CT (June 1999).*

*Asymptotic Normalization Coefficients and the $S_{17}(0)$, **A. Azhari**, C.A. Gagliardi, A.M. Mukhamedzhanov, X. Tang, L. Trache, R.E. Tribble, V. Burjan, V. Kroha, F. Carstoiu, TSS2000 Joint Spring Meeting of the Texas Section of the American Physical Society, College Station, TX (March 2000).*

*Proton Induced Drell-Yan Dimuon Production at 800 GeV, **M. Vasiliev, Invited Talk**, Seminar at Russian Research Centre, Kurchatov Institute, Moscow, Russia (July 1999).*

Proton Induced Drell-Yan Dimuon Production at 800 GeV, **M. Vasiliev**, International Conference on Elastic and Diffractive Scattering, Protvino, Russia (June 1999).

Determining the Direct Capture Rate of $^{11}\text{C}(p, \gamma)^{12}\text{N}$ with the $^{14}\text{N}(^{11}\text{C}, ^{12}\text{N})^{13}\text{C}$ Reaction, **X. Tang**, A. Azhari, C.A. Gagliardi, A.M. Mukhamedzhanov, L. Trache, R.E. Tribble, V. Burjan, V. Kroha, F. Carstoiu, TSS2000 Spring Meeting of the Texas Section of the American Physical Society, College Station, TX (March 2000).

Superallowed Beta Decay: A Nuclear Probe of the Electroweak Standard Model, **J.C. Hardy**, **Invited Talk**, Argonne National Laboratory (March 2000).

Superallowed Beta Decay: A Nuclear Probe of the Electroweak Standard Model, **J.C. Hardy**, **Invited Talk**, University of Kansas, Lawrence, KS (February 2000).

Superallowed Beta Decay: A Nuclear Probe of the Electroweak Standard Model, **J.C. Hardy**, **Invited Talk**, Kansas State University, Manhattan, KS (February 2000).

Superallowed Fermi Beta Decay - a Probe of the Standard Model, **V. Iacob** and J.C. Hardy, **Invited Talk**, Advances in Nuclear Physics Symposium, Bucharest, Romania (December 1999).

Using Isotopically Selected Nuclei to Probe Projectile Fragmentation Reactions, **S.J. Yennello**, American Chemical Society, San Francisco, CA (March 2000).

Isospin Dependent Fragmentation in the Reactions of $^{28}\text{Si} + ^{112,124}\text{Sn}$ at 30 and 50 MeV/nucleon, **S.J. Yennello**, The XXXVIII International Winter Physics Meeting, Bormio, Italy (January 2000).

Nuclear Chemistry in Context: A Multimedia Approach, **S.J. Yennello**, American Chemical Society, New Orleans, LA (August 1999).

Using Isospin-Selected Nuclei to Understand Heavy-Ion Reaction Mechanisms, **S.J. Yennello**, **Invited Talk**, TRIUMF, Vancouver, B.C., Canada (May 1999).

The Nucleus as a Two-component Liquid: Isospin Effects and Observables in Nuclear Reactions, **S.J. Yennello**, **Invited Talk**, Simon Fraser University, Burnaby, B.C., Canada (May 1999).

A Study of Projectile Fragmentation Utilizing Isobaric Nuclei and the FAUST Detector, **D. Rowland**, **Invited Talk**, Division of Radiological Sciences at Washington University, St. Louis, MO (October 1999).

Nucleon Exchange in the Reactions ^{20}Na , ^{20}Ne , $^{20}\text{F} + ^{197}\text{Au}$ at $E_{\text{beam}} = 32$ MeV/nucleon, **D. Rowland**, DNP99 Meeting of the American Physical Society, Pacific Grove, CA (October 1999).

Nuclear Temperature of 8 GeV/c π , $\bar{p} + \text{Au}$, **A. Ruangma**, DNP99 Meeting of the American Physical Society, Pacific Grove, CA (October 1999).

Dynamics, Thermodynamics and Caloric Curves of Nuclei, **J.B. Natowitz**, **Invited Talk**, Phases of Nuclear Matter symposium, University of Jagiellonian, Krakow, Poland (January 2000).

Light Particle Probes of Expansion and Temperature Evolution: Coalescence Model Analyses of Heavy Ion Collisions at 47A MeV, **J.B. Natowitz**, **Invited Talk**, Purdue University, West Lafayette, IN (November 1999).

Dynamic Evolution and the Caloric Curve for Medium Mass Nuclei, **J.B. Natowitz**, **Invited Talk**, GSI, Darmstadt, Germany (June 1999).

Dynamic Evolution and the Caloric Curve for Medium Mass Nuclei, **J.B. Natowitz**, **Invited Talk**, CENBG, Bordeaux, France (June 1999).

Reaction Mechanisms in $^{64}\text{Zn}+^{58}\text{Ni}$ at 35-79A MeV with AMD-V Simulations, **R. Wada**, INDRA Conference at GANIL, Caen, France (March 2000).

From Tantalizing Hints to Systematic Studies of QGP, BRAHMS at RHIC, **M. Murray**, RHIC2000 Workshop, Park City, Utah (March 2000)

Kaon, Pion and Proton Phase Space Densities and Radii, **M. Murray**, **Invited Talk**, University of Birmingham, Birmingham, UK (December 1999).

Hadron Radii & Phase Space Densities in Heavy Ion Collisions, **M. Murray**, Texas APS Meeting, University of Texas, Austin, Texas (October 1999).

Kaon Phase Space Density and Flow, **M. Murray**, Workshop on Flow and Strangeness Production in Heavy Ion Collisions From Relativistic to Ultra-Relativistic Energies, Obernai, France (September 1999).

Phase Space, Coalescence and Flow, **M. Murray**, Quark Matter Conference, Torino, Italy (May 1999).

Color Dynamics on Phase Space, **A. Bonasera**, **Invited Talk**, University of Minnesota, Minneapolis, MN (October 1999).

Tunneling the Coulomb Barrier, **A. Bonasera**, **Invited Talk**, Del Velle University, Guatemala City, Guatemala (August 1999).

Heavy Ion Collisions: Nuclear Matter under Extreme Conditions, **C.M. Ko**, **Invited Talk**, Symposium on Physics of Finite Systems, Hamilton, Canada (June 1999).

J/Psi Suppression in Ultra-relativistic Nuclear Collisions, **B. Zhang**, **Invited Talk**, Columbia University, New York, NY (March 2000).

Cascade/Hydro/Navier-Stokes, **B. Zhang**, **Invited Talk**, 5th RHIC-INT Workshop and 16th Winter Workshop on Nuclear Dynamics, Park City, UT (March 2000).

Probing a New Form of Matter (Quark-Gluon-Plasma) with Relativistic Nuclear Reactions, **B. Zhang**, **Invited Talk**, Arkansas State University, Jonesboro, AR (March 2000).

Quark Gluon Plasma and Relativistic Heavy-Ion Collisions, **B. Zhang**, **Invited Talk**, University of Arkansas, Little Rock, AR (November 1999).

Tests and Applications of (Elastic) Parton Cascade ZPC1.0.1, **B. Zhang**, OSCAR II, Predictions for RHIC Workshop, Brookhaven National Laboratory, Upton, NY (July 1999).

HIJING+ZPC+ART, **B. Zhang**, **Invited Talk**, Quark Matter '99, Torino, Italy (May 1999).

A Model for Charmonium Hadronic Absorption, **Z. Lin**, Invited Talk RHIC2000 Workshop, Park City, UT (March 2000).

Thermal vs. pQCD Charm Production, **Z. Lin**, OSCAR II, Predictions for RHIC Workshop, Brookhaven National Laboratory, Upton, NY (July 1999).

Open Charm and Drell-Yan at RHIC, **Z. Lin**, 14th International Conference on Ultrarelativistic Nucleus-Nucleus Collisions (QM99), Torino, Italy (May 1999).

Hadronic Scatterings of Charm Mesons and Enhancement of Intermediate Mass Dileptons, **Z. Lin**, APS Centennial Meeting, Atlanta, GA (March 1999).

Probing the Isospin-Dependence for the Nuclear Equation of State Using Radioactive Beams and its Importance for Astrophysics, **B.-A. Li**, Invited Talk, China Center of Advanced Science and Technology, Beijing, China (August 1999).

Chemical Instability in Neutron-Rich Matter Created in Radioactive Ion Beam Induced Reactions and its Relations to Nuclear Multifragmentation, **B.-A. Li**, Invited Talk, China Center of Advanced Science and Technology, Beijing, China (August 1999).

Isospin Dependence of Nuclear Collective Flow, **B.-A. Li**, Invited Talk, China Center of Advanced Science and Technology, Beijing, China (August 1999).

Elliptic and Differential Flow in Heavy-Ion Collisions, **B.-A. Li**, Invited Talk, China Center of Advanced Science and Technology, Beijing, China (August 1999).

Predictions for RHIC Based on a Multi-Phase Transport Model, **B.-A. Li**, Invited Talk, China Center of Advanced Science and Technology, Beijing, China (August 1999).

ART: A Relativistic Transport Model for Heavy-Ion Collisions, **B.-A. Li**, OSCAR II, Predictions for RHIC Workshop, Brookhaven National Laboratory, Upton, NY (July 1999).

RHIC Predictions from HIJING+ZPC+ART, **B.-A. Li**, C.M. Ko, Z. Lin, B. Zhang, 14th International Conference on Ultrarelativistic Nucleus-Nucleus Collisions (QM99), Torino, Italy (May 1999).

Hadron and String Cascade Models: LUCIAE and JPCIAE, **B.-H. Sa**, Invited Talk, OSCAR II, Predictions for RHIC Workshop, Brookhaven National Laboratory, Upton, NY (July 1999).

Current Status of the Nuclear Matter Incompressibility Coefficient, **S. Shlomo**, Invited Talk, NSCL, Michigan State University, East Lansing, MI (January 2000).

Isoscalar Giant Monopole and Dipole Resonances and Nuclear Incompressibility, **S. Shlomo**, Invited Talk, Weizmann Institute, Israel (October 1999).

Excitation and Decay of Nuclear Giant Resonances, **S. Shlomo**, Invited Talk, Ben Gurion University, Beer-Sheva, Israel (October 1999).

Target-Atom K-Shell Ionization by Binary Encounter Electrons, **V. Horvat**, TSS2000 Joint Spring Meeting of the Texas Section of the American Physical Society, College Station, TX (March 2000).

Target-Atom Inner-Shell Vacancy Distributions Created in Collisions with Heavy Ion Projectiles, V. Horvat, TSS2000 Joint Spring Meeting of the Texas Section of the American Physical Society, College Station, TX (March 2000).

The Plans for a Two-Frequency Upgrade to the Texas A&M ECR Ion Source ECR2, D.P. May and G.J. Derrig, 14th International Workshop on ECR Ion Sources, CERN, Geneva, Switzerland (May 1999).

POSTERS PRESENTED
APRIL 1, 1999 - MARCH 31, 2000

Fast CAMAC and PC Based Multiparametric Acquisition System, V.E. Jacob, R. Burch, J.C. Hardy, P. Lipnik and L. Trache, 11th IEEE NPSS Real Time Conference, Santa Fe, NM (June 1999).