

PAPERS PUBLISHED

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Isoscalar Multipole Strength in ^{110}Cd and ^{116}Cd , Y.-W. Lui, D.H. Youngblood, Y. Tokimoto, H.L. Clark, and B. John, Phys. Rev. C **69**, 034611 (2004).

Isoscalar E0-E3 Strength in ^{116}Sn , ^{144}Sm , ^{154}Sm , and ^{208}Pb , D.H. Youngblood, Y.-W. Lui, H.L. Clark, B. John, Y. Tokimoto and X. Chen, Phys. Rev. C **69**, 034315 (2004).

Isoscalar Giant Dipole Resonance for Several Nuclei with $A \geq 90$, Y.-W. Lui, X. Chen, H.L. Clark, B. John, Y. Tokimoto, and D.H. Youngblood, Nucl. Phys. **A731**, 28c (2004).

Isoscalar E0 Strength Between 6 and 11 MeV in ^{40}Ca , D.H. Youngblood, Y.-W. Lui, H.L. Clark, Y. Tokimoto and B. John, Phys. Rev. C **68**, 057303 (2003).

Isoscalar Electric Multipole Strength in ^{12}C , Bency John, Y. Tokimoto, Y.-W. Lui, H.L. Clark, X. Chen, and D.H. Youngblood, Phys. Rev. C **68**, 014305 (2003).

Determination of the Astrophysical S Factor for $^{11}\text{C}(p,\gamma)^{12}\text{N}$ from the $^{12}\text{N} \rightarrow ^{11}\text{C}+p$ Asymptotic Normalization Coefficient, X. Tang, A. Azhari, C.A. Gagliardi, A.M. Mukhamedzhanov, F. Pirlepesov, L. Trache, R.E. Tribble, V. Burjan, V. Kroha, F. Carstoiu, Phys. Rev. C **67**, 015804 (2003).

Capture Gamma Reaction Rates at Stellar Energies by the Asymptotic Normalization Coefficient Method, R.E. Tribble, A. Azhari, C.A. Gagliardi, A.M. Mukhamedzhanov, F. Pirlepesov, A. Sattarov, X. Tang, L. Trache, P. Bem, V. Burjan, V. Kroha, J. Novak, S. Piskor, E. Simeckova, J. Vincour and R. Carstoiu, Proceedings of Capture Gamma Spectroscopy 11, Pruhonice, Czech Republic, September, 2002, (World Scientific, Singapore, 2003) p. 298.

Asymptotic Normalization Coefficients in Nuclear Astrophysics, V. Kroha, A. Azhari, P. Bem, V. Burjan, C.A. Gagliardi, A.M. Mukhamedzhanov, J. Novak, S. Piskor, E. Simeckova, X. Tang, L. Trache, R.E. Tribble, and J. Vincour, Nucl. Phys. **A719**, 119c (2003).

Asymptotic Normalization Coefficients for $^8\text{B} \rightarrow ^7\text{Be}+p$ from a Study of $^8\text{Li} \rightarrow ^7\text{Li}+n$, L. Trache, A. Azhari, F. Carstoiu, H.L. Clark, C.A. Gagliardi, Y.-W. Lui, A.M. Mukhamedzhanov, X. Tang, N. Timofeyuk, R.E. Tribble, Phys. Rev. C **67**, 062801 (2003).

Breakup of ^8B and the S_{17} Astrophysical Factor Reexamined, L. Trache, F. Carstoiu, C.A. Gagliardi and R.E. Tribble, Phys. Rev. C **69**, 032802(R) (2004).

New Results for $^8\text{B}(p,\gamma)^9\text{C}$, $^{11}\text{C}(p,g\ \gamma)^{12}\text{N}$, $^{13}\text{C}(p,\ \gamma)^{14}\text{N}$ and $^{14}\text{N}(p,\ \gamma)^{15}\text{O}$ at Stellar Energies, R.E. Tribble, A. Azhari, P. Bern, V. Burjan, F. Carstoiu, C.A. Gagliardi, V. Kroha, A.M. Mukhamedzhanov, J. Novak, F. Pirlpesov, S. Piskor, A. Sattarov, E. Simeckova, X. Tang, L. Trache, J. Vincour, Nucl. Phys. **A718**, 147c (2003).

Determination of the S_{17} and S_{18} Astrophysical Factors from the Breakup of ^8B and ^9C at Intermediate Energies, L. Trache, F. Carstoiu, C.A. Gagliardi, A.M. Mukhamedzhanov, R.E. Tribble, Nucl. Phys. **A718**, 493c (2003).

The $^{17}\text{F}(p,\ \gamma)^{18}\text{Ne}$ Direct Capture Cross Section, J.C. Blackmon, D.W. Bardayan, C.R. Brune, A.E. Champagne, R. Crespo, T. Davinson, J.C. Fernandes, C.A. Gagliardi, U. Greife, C.J. Gross, P.A. Hausladen, C. Iliadis, C.C. Jewett, R.L. Kozub, T.A. Lewis, F. Liang, B.H. Moazen, A.M. Mukhamedzhanov, C.D. Nesaraja, F.M. Nunes, P.D. Parker, D.C. Radford, L. Sahin, J.P. Scott, D. Shapira, M.S. Smith, J.S. Thomas, L. Trache, R.E. Tribble, P.J. Woods, C.H. Yu, Nucl. Phys. **A718**, 587c (2004).

High Precision Branching Ratio Measurement for the Superaligned β -Decay of ^{74}Rb : A Prerequisite for Exacting Tests of the Standard Model, A. Piechaczek, E.F. Zganjar, G.C. Ball, P. Bricault, J.M. D'Auria, J.C. Hardy, D.F. Hodgson, V. Iacob, P. Klages, W.D. Kulp, J.R. Leslie, M. Lipoglavsek, J.A. Macdonald, H.-B. Mak, D.M. Moltz, G. Savard, J. von Schwarzenberg, C.E. Svensson, I.S. Towner and J.L. Wood, Phys. Rev. C **67**, 051305(R) (2003).

Beta Decay of ^{62}Ga , B.C. Hyman, V.E. Iacob, A. Azhari, C.A. Gagliardi, J.C. Hardy, V.E. Mayes, R.G. Neilson, M. Sanchez-Vega, X. Tang, L. Trache and R.E. Tribble, Phys. Rev C **68**, 015501 (2003).

High Precision Measurement of the Superaligned $0^+ \rightarrow 0^+$ Decay of ^{22}Mg , J.C. Hardy, V.E. Iacob, M. Sanchez-Vega, R.G. Neilson, A. Azhari, C.A. Gagliardi, V.E. Mayes, X. Tang, L. Trache and R.E. Tribble, Phys. Rev. Lett. **91**, 082501 (2003).

Beta Particles, J.C. Hardy, McGraw-Hill Encyclopedia of Science and Technology, ninth edition (2003).

The Use of Monte Carlo Calculations in the Determination of a Ge detector efficiency Curve, R.G. Helmer, J.C. Hardy, V.E. Iacob, M. Sanchez-Vega, R.G. Neilson and J. Nelson, Nucl. Instrum. Methods Phys. Res. A **511**, 360 (2003).

Superaligned 0^+ To 0^+ Beta Decay: Current Status and future Prospects, J.C. Hardy and I.S. Towner in Quark-Mixing, CKM-Unitarity, eds: H. Abele and D. Mund (Mattes Verlag, Heidelberg, 2003) p. 11.

Precise Efficiency Calibration of an HPGe detector Up To 3.5 MeV, with Measurements and Monte Carlo Calculations, R.G. Helmer, N. Nica, J.C. Hardy and V.E. Iacob, Int. J. Appl. Radiat. Isot. **60**, 173 (2004).

New Results in Superalloyed Nuclear Beta Decay, J.C. Hardy, In Intersections of Particle and Nuclear Physics; 8th Conference CIPANP2003, ed: Zohreh Parsa, AIP Conference Proceedings **698** (2003) pg. 184.

A New Astrophysical γ Probe and Its Applications, H. Utsunomiya, H. Akimune, S. Goko, T. Hayakawa, Y.-W. Lui, H. Ohgaki, M. Ohta, T. Shizuma, H. Toyokawa, and T. Yamagata, Nucl. Phys. **A718**, 199 (2003).

Photodisintegration of Deuterium and Big Bang Nucleosynthesis, K.Y. Hara, H. Utsunomiya, S. Goko, H. Akimune, T. Yamagata, H. Toyokawa, K. Kubo, A. Uritani, Y. Shibata, Y.-W.Lui, and H. Ohgaki, Phys. Rev. D **68**, 072001 (2003).

Identified Particle Distributions in pp and Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV, J. Adams *et al.* (STAR Collaboration), Phys. Rev. Lett. **92**, 112301 (2004).

Azimuthal Anisotropy at RHIC: the First and Fourth Harmonics, J. Adams *et al.* (STAR Collaboration), Phys. Rev. Lett. **92**, 062301 (2004).

Λ^0 Production and Possible Modification in Au+Au and p+p Collisions at $\sqrt{s_{NN}} = 200$ GeV, J. Adams *et al.* (STAR Collaboration), Phys. Rev. Lett. **92**, 092301 (2004).

Particle-Type Dependence of Azimuthal Anisotropy and Nuclear Modification of Particle Production in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV, J. Adams *et al.* (STAR Collaboration), Phys. Rev. Lett. **92**, 052302 (2004).

J/Ψ Polarization in 800 -GeV p-Cu Interactions, T.H. Chang, M.E. Beddo, C.N. Brown, T.A. Carey, W.E. Cooper, C.A. Gagliardi, G.T. Garvey, D.F. Geesaman, E.A. Hawker, X.C. He, L.D. Isenhower, D.M. Kaplan, S.B. Kaufman, D.D. Koetke, P.L. McGaughey, W.M. Lee, M.J. Leitch, J.M. Moss, B.A. Mueller, V. Papavassiliou, J.C. Peng, P.E. Reimer, M.E. Sadler, W.E. Sondheim, P.W. Stankus, R.S. Towell, R.E. Tribble, M.A. Vasiliev, J.C. Webb, J.L. Willis, and G.R. Young (FNAL E866/NuSea Collaboration), Phys. Rev. Lett. **91**, 211801 (2003).

Pion-Kaon Correlations in Central Au+Au Collisions at $\sqrt{s_{NN}} = 130$ GeV, J. Adams *et al.* (STAR Collaboration), Phys. Rev. Lett. **91**, 262302 (2003).

Net Charge Fluctuations in Au+Au Collisions at $\sqrt{s_{NN}} = 130$ GeV, J. Adams *et al.* (STAR Collaboration), Phys. Rev. C **68**, 044905 (2003).

Evidence from d+Au Measurements for Final-State Suppression of High-pT Hadrons in Au+Au Collisions at RHIC, J. Adams *et al.* (STAR Collaboration), Phys. Rev. Lett. **91**, 072304 (2003).

Three-Pion Hanbury Brown-Twiss Correlations in Relativistic Heavy-Ion Collisions from the STAR Experiment, J. Adams *et al.* (STAR Collaboration), Phys. Rev. Lett. **91**, 262301 (2003).

Transverse-Momentum and Collision-Energy Dependence of High-pT Hadron Suppression in Au+Au Collisions at Ultrarelativistic Energies, J. Adams *et al.* (STAR Collaboration), Phys. Rev. Lett. **91**, 172302 (2003).

Narrowing of the Balance Function with Centrality in Au+Au Collisions at $\sqrt{s_{NN}} = 130$ GeV, J. Adams *et al.* (STAR Collaboration), Phys. Rev. Lett. **90**, 172301 (2003).

Measurement of the Absolute Drell-Yan Dimuon Cross Sections in 800 GeV/c pp and pd Collisions, C.A. Gagliardi, T.C. Awes, M.E. Beddo, M.L. Brooks, C.N. Brown, J.D. Bush, T.A. Carey, T.H. Chang, W.E. Cooper, G.T. Garvey, D.F. Geesaman, E.A. Hawker, X.C. He, L.D. Isenhower, D.M. Kaplan, S.B. Kaufman, P.N. Kirk, D.D. Koetke, G. Kyle, D.M. Lee, W.M. Lee, M.J. Leitch, N. Makins, P.L. McGaughey, J.M. Moss, B.A. Mueller, P.M. Nord, V. Papavassiliou, B.K. Park, J.C. Peng, G. Petitt, P.E. Reimer, M.E. Sadler, W.E. Sondheim, P.W. Stankus, T.N. Thompson, R.S. Towell, R.E. Tribble, M.A. Vasiliev, Y.C. Wang, Z.F. Wang, J.C. Webb, J.L. Willis, D.K. Wise, and G.R. Young (FNAL E866/NuSea Collaboration), Nucl. Phys. **A721**, 344c (2003).

Strange Anti-Particle to Particle Ratios at Mid-Rapidity in $\sqrt{s_{NN}} = 130$ GeV Au+Au Collisions, J. Adams *et al.* (STAR Collaboration), Phys. Lett. B **567**, 167 (2003).

Intermediate Mass Fragments and Isospin Dependence in ^{124}Sn , $^{124}\text{Xe} + ^{124}\text{Sn}$, ^{112}Sn Reactions at 28 MeV/nucleon, D.V. Shetty, A. Keksis, E. Martin, A. Ruangma, G.A. Souliotis, M. Veselsky, E. Winchester, S.J. Yennello, K. Hagel, Y.G. Ma, A. Makeev, N. Marie, M. Murray, J.B. Natowitz, L. Qin, P. Smith, R. Wada, J. Wang, M. Cinausero, E. Fioretto, G. Prete, D. Fabris, M. Lunardon, G. Nebbia, V. Rizzi, G. Viesti, J. Cibor, Z. Majka, P. Staszal, R. Alfaro, A. Martinez-Davalos, A. Menchaca-Rocha, Y. El Masri, T. Keutgen, Phys. Rev. C **68**, 054605 (2003).

Relationships Between Caloric Curves and the Critical Point of Nucleonic Matter, J.B. Natowitz, K. Hagel, Y. Ma, M. Murray, L. Qin, S. Shlomo, R. Wada, J. Wang, Int. J. Mod. Phys. E **13**, 269 (2004).

Fusion-Fission and Fusion-Evaporation Processes in 20Ne+159Tb and 20Ne+169Tm Interactions Between E/A=8 and 16 MeV, J. Cabrera, T. Keutgen, Y. El Masri, C. Dufauquez, V. Roberfroid, I. Tilquin, J. Van Mol, R. Regimbart, R.J. Charity, J.B. Natowitz, K. Hagel, R. Wada, D.J. Hinde, Phys. Rev. C **68**, 034613 (2003).

Search for Temperature and N/Z Dependent Effects in the Decay of A = 98 Compound Nuclei, S. Moretto, D. Fabris, M. Lunardon, S. Pesente, V. Rizzi, G. Viesti, M. Barbui, M. Cinausero, E. Fioretto, G. Prete, A. Brondi, E. Vardaci, F. Lucarelli, A. Azhari, X. D. Tang, K. Hagel, Y. Ma, A. Makeev, M. Murray, J.B. Natowitz, L. Qin, P. Smith, L. Trache, R.E. Tribble, and R. Wada, *Phys. Rev. C* **69**, 044604 (2004)

Evidence of Critical Behavior in the Disassembly of Nuclei with A~36, Y.G. Ma, R. Wada, K. Hagel, J. Wang, T. Keutgen, Z. Majka, M. Murray, L. Qin, P. Smith, J.B. Natowitz, R. Alfaro, J. Cibor, M. Cinausero, Y. El Masri, D. Fabris, E. Fioretto, A. Keksis, M. Lunardon, A. Makeev, N. Marie, E. Martin, A. Martinez-Davalos, A. Menchaca-Rocha, G. Nebbia, G. Prete, V. Rizzi, A. Ruangma, D. V. Shetty, G. Souliotis, P. Staszal, M. Veselsky, G. Viesti, E.M. Winchester, and S.J. Yennello, *Phys. Rev. C* **69**, 031604(R) (2004).

Transverse Momentum Spectra in Au+Au and d+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV and the Pseudorapidity Dependence of High pt Suppression, I. Arsene *et al.* (BRAHMS Collaboration), *Phys. Rev. Lett.* **91**, 072305 (2003).

Plastic Scintillator Centrality Detector for BRAHMS, Y.K. Lee *et al.* (BRAHMS Collaboration), *Nucl. Instrum. Methods. Phys. Res. A* **516**, 281 (2004).

The BRAHMS Experiment at RHIC, M. Adamczyk *et al.* (BRAHMS Collaboration), *Nucl. Instrum. Methods Phys. Res. A* **499**, 437 (2003).

Rapidity Dependence of Charged Anti-particle-to-Particle Ratios in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV, I.G. Bearden *et al.* (BRAHMS Collaboration), *Phys. Rev. Lett.* **90**, 102301 (2003).

The BRAHMS Experiment at the Relativistic Heavy ion Collider, Y.K. Lee, I.G. Bearden, D. Beavis, C. Besliu, Y. Blyakhman, J. Brzychczyk, B. Budick, H. Boggild, C. Chasman, C.H. Christensen, P. Christiansen, J. Cibor, R. Deebbe, E. Enger, J.J. Gaardhoje, K. Grotowski, K. Hagel, O. Hansen, A. Holm, A.K. Holme, H. Ito, E. Jakobsen, A. Jipa, J.I. Jorde, F. Jundt, C.E. Jorgensen, T. Keutgen, E.J. Kim, T. Kozik, T.M. Larsen, J.H. Lee, Y.K. Lee, G. Lovhoiden, Z. Majka, A. Makeev, B. McBreen, M. Mikelsen, M. Murray, J.B. Natowitz, B.S. Nielsen, J. Norris, K. Olchanski, J. Olness, D. Ouerdane, R. Planeta, F. Rami, D. Rohrich, B.H. Samset, D. Sandberg, S.J. Sanders, R.A. Sheetz, Z. Sosin, P. Staszal, T.F. Thorsteinsen, T.S. Tveter, F. Videbaek, R. Wada, A. Wieloch, I.S. Zgura, *J. Korean Phys. Soc.* **43**, s27 (2003).

Formation of Excited Systems with a Wide Range in N/Z, D.J. Rowland, R. Laforest, E. Ramakrishnan, M. Veselsky, E.M. Winchester, A. Ruangma, E. Martin and S.J. Yennello, *Phys. Rev. C* **67**, 064602 (2003).

Production and Separation of Neutron-Rich Rare Isotopes Around and Below the Fermi Energy, G.A. Souliotis, M. Veselsky, G. Chubarian, S.J. Yennello, Nucl. Instrum. Methods Phys. Res. B **204**, 166 (2003).

Heavy Residues with $A < 90$ in the Asymmetric Reaction of $20 \text{ A MeV } ^{124}\text{Sn} + ^{27}\text{Al}$ as a Sensitive Probe of the Onset of Multifragmentation, M. Veselsky, G.A. Souliotis, G. Chubarian, L. Trache, A. Keksis, E. Martin, A. Ruangma, E. Winchester, S.J. Yennello, Nucl. Phys. A **724**, 431 (2003).

Energy Dependence of the Isotopic Composition in Nuclear Multifragmentation, D.V. Shetty, S.J. Yennello, E. Martin, A. Keksis, and G.A. Souliotis Phys. Rev. C **68**, 021602(R) (2003).

Isotopic Scaling of Heavy Projectile Residues from the Collisions of $25 \text{ MeV/nucleon } ^{86}\text{Kr}$ with ^{124}Sn , ^{112}Sn and ^{64}Ni , ^{58}Ni , G.A. Souliotis, D.V. Shetty, M. Veselsky, G. Chubarian, L. Trache, A. Keksis, E. Martin, and S.J. Yennello Phys. Rev. C **68**, 024605 (2003).

Enhanced Production of Neutron-Rich Rare Isotopes in Peripheral Collisions at Fermi Energies, G.A. Souliotis, M. Veselsky, G. Chubarian, L. Trache, A. Keksis, E. Martin, D.V. Shetty, and S.J. Yennello Phys. Rev. Lett. **91**, 022701 (2003).

Investigation of the α -Cluster Structure of ^{22}Ne and ^{22}Mg , V.Z. Goldberg, G.V. Rogachev, W.H. Trzaska, J.J. Kolata, A. Andreyev, C. Angulo, M.J.G. Borge, S. Cherubini, G. Chubarian, G. Crowley, P. Van Duppen, M. Gorska, M. Gulino, M. Huyse, P. Jesinger, K.-M. Källman, M. Lattuada, T. Lönnroth, M. Mutterer, R. Raabe, S. Romano, M.V. Rozhkov, B.B. Skorodumov, C. Spitaleri, O. Tengblad, and A. Tumino, Phys. Rev. C **69**, 024602 (2004)

T=5/2 States in ^9Li : Isobaric Analog States of ^9He , G.V. Rogachev, V.Z. Goldberg, J.J. Kolata, G. Chubarian, D. Aleksandrov, A. Fomichev, M.S. Golovkov, Yu.Ts. Oganessian, A. Rodin, B. Skorodumov, R.S. Slepnev, G. Ter-Akopian, W.H. Trzaska, and R. Wolski, Phys. Rev. C **67**, 041603(R) (2003).

Probing Fission Time Scales with Neutrons and GDR Gamma Rays, R.P. Schmitt, T. Botting, G.G. Chubarian, K.L. Wolf, B.J. Hurst, H. Jabs, M. Hamelin, A. Bacak, Yu. Ts. Oganessian, M.G. Itkis, E.M. Kozulin, N.A. Kondratiev, V.S. Salamatina, I.V. Pokrovsky, F. Hanappe, E. de Goes Brennand, A. Huck, L. Stuttge, E. Liatard, J. Been, R. Varner, M. Halbert, and N. Gun, Phys. of Atomic Nuclei **66**, 1163 (2003).

Target and Projectile K-vacancy Production by Fast Heavy Ions in the Molecular Orbital Regime, V. Horvat, R.L. Watson, A.N. Perumal, and Y. Peng, , Application of Accelerators in Research and Industry, AIP Conference Proceedings **680**, AIP Press, Melville, New York, 2003.

Projectile Ionization in Collisions of U^{28+} and Xe^{18+} with Gases, R.E. Olson, R.L. Watson, V. Horvat, K.E. Zaharakis, and T. Stöhlker, Application of Accelerators in Research and Industry, AIP Conference Proceedings **680**, (AIP Press, Melville, New York, 2003).

Target Z Dependence and Additivity of Cross Sections for Electron Loss by 6 MeV/amu Xe^{18+} Projectiles, R.L. Watson, Y. Peng, V. Horvat, G.J. Kim, and R.E. Olson, Phys. Rev. A **67**, 022706 (2003).

Projectile Charge Dependence of Cross Sections for Multiple Electron Capture and Loss by 2 MeV/u Xe Ions in Nitrogen, V. Horvat, R.L. Watson, K.E. Zaharakis, and Y. Peng, Nucl. Instrum. Methods Phys. Res. B **211**, 495 (2003)

Effects of Symmetry Energy on Two-Nucleon Correlation Functions in Heavy Ion Collisions Induced by Neutron-Rich Nuclei, L.W. Chen, V. Greco, C.M. Ko, and B.A. Li, Phys. Rev. Lett. **90**, 162701 (2003).

Parton Coalescence and the Antiproton/Pion Anomaly at RHIC, V. Greco, C.M. Ko, and P. Levai, Phys. Rev. Lett. **90**, 202302 (2003).

Charm Production from Photon-Proton Reactions in a Hadronic Model, W. Liu, S. H. Lee, and C. M. Ko Nucl. Phys. A **724**, 375 (2003).

Light Clusters Production as a Probe to Nuclear Symmetry Energy, L.W. Chen, C.M. Ko, and B.A. Li, Phys. Rev. C **68**, 017601 (2003).

Isospin Effects on Two-Nucleon Correlation Functions in Heavy Ion Collisions at Intermediate Energies, L.W. Chen, V. Greco, C.M. Ko, and B.A. Li., Phys. Rev. C **68**, 014605 (2003).

Partonic Coalescence in Relativistic Heavy Ion Collisions, V. Greco, C.M. Ko, and P. Levai, Phys. Rev. C **68**, 034904 (2003).

Deuteron-Nucleus Collisions in a MultiPhase Transport Model, Z.W. Lin and C.M. Ko , Phys. Rev. C **68**, 054904 (2003).

Cross Sections for Pentaquark Baryon Production from Protons in Reactions Induced by Hadrons and Photons, W. Liu and C.M. Ko, Phys. Rev. C **68**, 045203 (2003).

Charm Production from Proton-Proton Collisions, W. Liu, C.M. Ko, and S.H. Lee, Nucl. Phys. **A728**, 457 (2003).

Light Cluster Production in Intermediate Energy Heavy-Ion Collisions Induced by Neutron-Rich Nuclei, L.W. Chen, C.M. Ko, and B.A. Li, Nucl. Phys. **A729**, 809 (2003).

Kaon Interferometry at RHIC from the AMPT model, Z.W. Lin and C.M. Ko, J. Phys. G **30**, S263 (2004).

Multistrange Baryon Production in Relativistic Heavy Ion Collision, S. Pal, C.M. Ko, Z.W. Lin, Nucl. Phys. **A730**, 143 (2004).

Pentaquark Θ^+ Production from the Reaction $\gamma p \rightarrow \pi^+ K^- \Theta^+$, W. Liu, C.M. Ko, V. Kubarovsky, Phys. Rev. C **69**, 025202 (2004).

Cascade Production in Heavy-Ion Collisions at SIS Energies, L.W. Chen, C.M. Ko, and Y.H. Zheng, Phys. Lett. B **584**, 269 (2004).

Partonic Effects on Higher-Order Anisotropic Flows in Relativistic Heavy-Ion Collisions, L. W. Chen, C. M. Ko, and Z.W. Lin, Phys. Rev. C **69**, 031901(R) (2004).

Relativistic Effects in the search for High Density Symmetry Energy, V. Greco, V. Baran, M. Colonna, M. Di Toro, T. Gaitanos, H.H. Wolter, Phys. Lett. B **562**, 215 (2003).

On the Lorentz Structure of the symmetry Energy, T. Gaitanos, M. Di Toro, S. Typel, V. Baran, C. Fuchs, V. Greco, H.H. Wolter, Nucl. Phys. **A732**, 24 (2004).

Transport Properties of Isospin Effective Mass Splitting, J. Rizzo, M. Colonna, M. Di Toro, V. Greco, Nucl. Phys. **A732**, 202 (2004).

Relation Between Proton and Neutron Asymptotic Normalization Coefficients for Light Mirror Nuclei and Its Relevance for Astrophysics, N.E. Timofeyuk, R. Jonson, A.M. Mukhamedzhanov, Phys. Rev. Lett. **91**, 232501 (2003).

Resolution of Long-Standing Problems in the Theory of Ionization, A.S. Kadyrov, A.M. Mukhamedzhanov, A.T. Stelbovics, and I. Bray, Phys. Rev. Lett. **91**, 253202 (2003).

Asymptotic Behavior of the Coulomb Three-Body Scattered Wave, A.S. Kadyrov, A.M. Mukhamedzhanov, A.T. Stelbovics, I. Bray, F. Pirlepesov, Phys. Rev. A **68**, 022703 (2003).

Asymptotic Normalization Coefficients from Proton Transfer Reactions and Astrophysical S Factors for the CNO $^{13}\text{C}(p, \gamma)^{14}\text{N}$ Radiative Capture Process, A.M. Mukhamedzhanov, A. Azhari, V. Burjan, C.A. Gagliardi, V. Kroha, A. Sattarov, X. Tang, L. Trache, R.E. Tribble, Nucl. Phys. **A725**, 279 (2003).

Post-Decay Acceleration in the Coulomb Breakup of Light Nuclei, E.O. Alt, B.F. Irgaziev, A.M. Mukhamedzhanov, Selected Topics in Theoretical Physics and Astrophysics, Joint Institute of Nuclear research, Dubna, (2003) p. 78.

Asymptotic Normalization Coefficients for $^{14}\text{N}+p\rightarrow^{15}\text{O}$ and the Astrophysical S Factor for $^{14}\text{N}(p,\gamma)^{15}\text{O}$, A.M. Mukhamedzhanov, P. Bem, B.A. Brown, V. Burjan, C.A. Gagliardi, V. Kroha, J. Novak, F.M. Nunes, S. Paskor, F. Pirlepesov, E. Simeckova, R.E. Tribble, J. Vincour, Phys. Rev. C **67**, 065804 (2003).

Asymptotic Normalization Coefficients in Nuclear Astrophysics, V. Kroha, A. Azhari, P. Bem, V. Burjan, C.A. Gagliardi, A.M. Mukhamedzhanov, J. Novak, S. Piskor, E. Simeckova, X. Tang, L. Trache, R.E. Tribble, J. Vincour, Nucl Phys. **A719**, 119c (2003).

Coulomb Breakup of Light Nuclei in the Field of a Heavy Ion at Relativistic Collision Energies, B.F. Irgaziev, Sh. Kalandarov and A.M. Mukhamedzhanov, Phys. Atomic Nuclei **66**, 684 (2003).

Low-Lying Levels in ^{15}F and the Shell Model Potential for Drip-Line Nuclei, V.Z. Goldberg, G.G. Chubarian, G. Tabacaru, L. Trache, R.E. Tribble, A. Aprahamian, G.V. Rogachev, B.B. Skorodumov, X. Tang, Phys. Rev. C **69**, 031302(R) (2004).

$\pi^+\pi^-$ Emission in High-energy Nuclear Collisions, R. Rapp, Nucl. Phys. **A725**, 254 (2003).

Theoretical Overview on (Hidden) Charm in High-Energy Heavy-Ion Collisions, R. Rapp and L. Grandchamp, J. Phys. G **30**, s305 (2004).

Hadronic Production of Thermal Photons, S. Turbide, R. Rapp, and C. Gale, Phys. Rev. C **69**, 014903 (2004).

Isoscalar Giant Monopole and Dipole Resonances and the Nuclear Matter Incompressibility Coefficient, S. Shlomo, A.I. Sanzhur, and B.K. Agrawal, Nucl. Phys. **A719**, 225c (2003).

Current Status of the Nuclear Matter Incompressibility Coefficient as Deduced from Data on Compression Models, S. Shlomo, and B.K. Agrawal, Nucl. Phys. **A722**, 98c (2003).

Nuclear matter Incompressibility Coefficient in Relativistic and Nonrelativistic Microscopic Models, B.K. Agrawal, S. Shlomo, and V. Kim Au, Phys. Rev. C **68**, 031304(R) (2003).

Isoscalar Giant Monopole Resonance and Its Overtone in Microscopic and Macroscopic Models, S. Shlomo, V.M. Kolomietz, and B.K. Agrawal, Phys. Rev. C **68**, 064301 (2003).

Self-Consistent Hartree-Fock Based Random Phase Approximation and the Spurious State Mixing, B.K. Agrawal, S. Shlomo, and A.I. Sanzhur, Phys. Rev. C **67**, 034314 (2003).

Non-Markovian Effects on the Dynamics of Bubble Growth in Asymmetric Nuclear Matter, V.M. Kolomietz, A.I. Sanzhur, and S. Shlomo, Phys. Rev. C **68**, 014614 (2003).

Liquid-Gas Phase Transition in Finite and Infinite Nuclear Systems, Tapas Sil, S.K. Samaddar, J. De and, S. Shlomo, Phys. Rev. C **69**, 014602 (2004).

Nuclear Fermi Liquid Drop Model, V.M. Kolomietz, and S. Shlomo, Phys. Rep. **390**, 133 (2004).

Shape Fluctuations in a Fermi System With Nonlinear Dissipativity, V.M. Kolomietz, S.V. Lukyanov, and S. Shlomo, Phys. Rev. C **69**, 024314 (2004).

HF-RPA Theory for Giant Resonances and the Nuclear Matter Incompressibility Coefficient: Is There a Problem?, S. Shlomo, and B.K. Agrawal, , Eds: H. Sagawa and H. Iwasaki, (World Scientific, Singapore, 2003) p. 327.