

**SECTION II**

**PUBLICATIONS, CONFERENCE PROCEEDINGS,  
INVITED TALKS, THESIS TITLES and VISITORS**

## PUBLICATIONS

### PAPERS

#### (a) Physical Review Letters

Identification of New Nuclei Near the Proton Drip Line for  $31 \leq Z \leq 37$ ; M.F. Mohar, D. Bazin, W. Benenson, D.J. Morrissey, N.A. Orr, B.M. Sherrill, D. Swan, J.A. Winger, A. Mueller, and D. Guillemaud-Mueller, Phys. Rev. Lett. 66(1991)1571

First Return, Transient Chaos, and Decay in Chaotic Systems--Reply; W. Bauer and G.F. Bertsch, Phys. Rev. Lett. 66(1991)2173

Time Scale for Emission of Intermediate Mass Fragments in  $^{36}\text{Ar} + ^{197}\text{Au}$  Collisions at  $E/A = 35$  MeV; Y.D. Kim, R.T. de Souza, D.R. Bowman, N. Carlin, C.K. Gelbke, W.G. Gong, W.G. Lynch, L. Phair, M.B. Tsang, F. Zhu, and S. Pratt, Phys. Rev. Lett. 67(1991)14

Multifragment Disintegration of the  $^{129}\text{Xe} + ^{197}\text{Au}$  System at  $E/A = 50$  MeV; D.R. Bowman, G.F. Peaslee, R.T. de Souza, N. Carlin, C.K. Gelbke, W.G. Gong, Y.D. Kim, M.A. Lisa, W.G. Lynch, L. Phair, M.B. Tsang, C. Williams, N. Colonna, K. Hanold, M.A. McMahan, G.J. Wozniak, L.G. Moretto, and W.A. Friedman, Phys. Rev. Lett. 67(1991)1527

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Complex Fragment Emission in the  $E/A = 60\text{-}100$  MeV  $^{14}\text{N} + ^{\text{nat}}\text{Ag}, ^{197}\text{Au}$  Reactions; J.L. Wile, D.E. Fields, K. Kwiatkowski, K.B. Morley, E. Renshaw, S.J. Yennello, V.E. Viola, N. Carlin, C.K. Gelbke, W.G. Gong, W.G. Lynch, R.T. de Souza, M.B. Tsang, and H.M. Xu, Phys. Lett. B264(1991)26

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Multifragment Emission in the Reaction  $^{36}\text{Ar} + ^{197}\text{Au}$  at  $E/A = 35, 50, 80,$  and  $110$  MeV; R.T. de Souza, L. Phair, D.R. Bowman, N. Carlin, C.K. Gelbke, W.G. Gong, Y.D. Kim, M.A. Lisa, W.G. Lynch, G.F. Peaslee, M.B. Tsang, H.M. Xu, F. Zhu, and W.A. Friedman, Phys. Lett. B268(1991)6

Emission Temperatures in  $^{40}\text{Ar} + ^{197}\text{Au}$  Reactions in the Limiting Fragmentation Regime; G.J. Kunde, J. Pochodzalla, J. Aichelin, E. Berdermann, B. Berthier, C. Cerruti, C.K. Gelbke, J. Hubele, P. Kreuzt,

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The  $^{24}\text{Mg}(^3\text{He},t)^{24}\text{Al}$  Reaction and  $L=1$  Giant Resonance Systematics Employing an Effective Interaction Model at 27 MeV/A; M.B. Greenfield, S. Brandenburg, A.G. Drentje, P. Grasdijk, H. Riezebos, S.Y. van der Werf, A. van der Woude, M.N. Harakeh, W.A. Sterrenburg, and B.A. Brown, Nucl. Phys. A524(1991)228

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The Beta-decay of  $^{48}\text{Mn}$ : Improved Data on Gamow-Teller Quenching; J. Szerypo, D. Bazin, B.A. Brown, D. Guillemaud-Mueller, H. Keller, R. Kirchner, O. Klepper, D. Morrissey, E. Roeckl, D. Schardt, and B. Sherrill, Nucl. Phys. A528(1991)203

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Appraisal of the Kuo-Herling Shell-Model Interaction and Application to  $A=210-212$  Nuclei; E.K. Warburton and B.A. Brown, Phys. Rev. C43(1991)602

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- Pairing Effects in Nuclear Collective Motion: Generator Coordinate Method; G. Bertsch and H. Flocard, Phys. Rev. C43(1991)2200
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### **ABSTRACTS OF CONTRIBUTED PAPERS**

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## MSU THESIS TITLES

James Edward Clayton, "High Energy Gamma Ray Production in Proton Induced Reactions at Energies of 104, 145, and 195 MeV."

Wen Guang Gong, "Two-Proton Intensity Interferometry in Intermediate Energy Heavy-Ion Collisions."

Yeongduk Kim, "Multifragment Disintegrations in Intermediate Energy Nucleus-Nucleus Collisions."

Michael Florian Mohar, "Production of Proton-Rich Nuclei Between Nickel and Zirconium."

William Kenneth Wilson, "Azimuthal Distributions in Intermediate Energy Heavy Ion Collisions."

Hongming Xu, "The Emission Temperature and the Nuclear Equation of State."

## VISITORS IN 1991

Thilina Annakkage, Univ. of Michigan  
Ani Aprahamian, Notre Dame  
Teresa Lopez Arias, University of Salamanca  
Masayuki Asakawa, Univ. of Tokyo  
Naftali Auerbach, Tel Aviv University  
Sakir Ayik, Tennessee Technological University  
John Bajema, Univ. of Michigan  
David Balamuth, Univ. of Pennsylvania  
G.C. Ball, Chalk River Labs  
Louis Barbier, Goddard Space Flight Center, Maryland  
H.W. Barz, Rossendorf  
Gerhard Baur, Forschungszentrum Julich  
Allan Baxter, Argonne National Lab  
L. Beaulieu, Laval University  
Fred Becchetti, Univ. of Michigan  
Michael Belbot, Notre Dame  
Rene Bellwied, Wayne State  
Georg Berg, IUCF  
Carlos Bertulani, Universidade Federal do Rio de Janeiro  
Roelof Bijker, University of Utrecht  
David Boilley, GANIL  
Helmut Bokemeyer, GSI  
Aldo Bonasera, INFN-Catania  
Eric Braaten, Northwestern University  
David Brink, Oxford  
Ricardo Broglia, Niels Bohr Institut and Univ. of Milan  
Jim Brown, Univ. of Michigan  
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