

CURRICULUM VITAE

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Birth - Citizenship

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Degrees Awarded

Doctor of Philosophy
Nuclear Experimental Physics
Michigan State University
East Lansing, Michigan
1996

Master of Science
Nuclear Experimental Physics
Michigan State University
East Lansing, Michigan
1995

Bachelor of Science
Physics Major
Purdue University
West Lafayette, IN
1992

Appointments

Guest Lecturer
Department of Physics
University of Pittsburgh
2005 – present

Adjunct Professor
Department of Physics
Carnegie Mellon University
2003 – present

Senior Research Analyst
Advanced Systems Group
Pittsburgh Supercomputing Center
1998 – present

Assistant Physicist
STAR Online Software Group
Physics Department
Brookhaven National Laboratory
1997 - 1998

Post-Doctoral Research Fellow
Relativistic Nuclear Collisions Group
Nuclear Science Division
Ernest Orlando Lawrence Berkeley National Laboratory
1996 - 1997

Graduate Research Assistant
Department of Physics and Astronomy and
National Superconducting Cyclotron Laboratory
Michigan State University
1992 - 1996

Graduate Teaching Assistant
Department of Physics and Astronomy and
National Superconducting Cyclotron Laboratory
Michigan State University
1992, 1993

Electronics Technician
Purdue Rare Isotope Measurement Laboratory
Purdue University
1991 - 1992

Undergraduate Research Assistant
Research Experience for Undergraduates (REU) Program
National Superconducting Cyclotron Laboratory
Michigan State University
1990

Refereed Journal Publications

1. Differential Elliptic Flow in 2 - 6 A GeV Au + Au Collisions: A New Constraint for the Nuclear Equation of State, P. Chung, N.N. Ajitanand, J.M. Alexander, J. Ames, M. Anderson, D. Best, F.P. Brady, T. Case, W. Caskey, D. Cebra, J.L. Chance, B. Cole, K. Crowe, A.C. Das, J.E. Draper, M.L. Gilkes, S. Gushue, M. Heffner, A.S. Hirsch, E.L. Hjort, W. Holzmann, L. Huo, M. Issah, M. Justice, M. Kaplan, D. Keane, J.C. Kintner, J. Klay, D. Krofcheck, R.A. Lacey, J. Lauret, M.A. Lisa, H. Liu, Y.M. Liu, R. McGrath, J. Milan, Z. Milosevich, G. Odyniec, D.L. Olson, S. Panitkin, C. Pinkenburg, N.T. Porile, G. Rai, H.G. Ritter, J.L. Romero, R. Scharenberg, L. Schroeder, B. Srivastava, N.T.B. Stone, T.J.M. Symons, J. Whitfield, T. Wienold, R. Witt, L. Wood, W.N. Zhang, P. Danielewicz, submitted for publication in December 2001 (Available on the LANL preprint server as nucl-ex/0112002).
2. Longitudinal Flow from 2 to 8A GeV Au + Au Collisions at the Brookhaven AGS, J.L. Klay, N.N. Ajitanand, J.M. Alexander, M.G. Anderson, D. Best, F.P. Brady, T. Case, W. Caskey, D. Cebra, J.L. Chance, P. Chung, B. Cole, K. Crowe, A.C. Das, J.E. Draper, M.L. Gilkes, S. Gushue, M. Heffner, A.S. Hirsch, E.L. Hjort, L. Huo, M. Justice, M. Kaplan, D. Keane, J.C. Kintner, D. Krofcheck, R.A. Lacey, J. Lauret, C. Law, M.A. Lisa, H. Liu, Y.M. Liu, R. McGrath, Z. Milosevich, G. Odyniec, D.L. Olson, S.Y. Panitkin, C. Pinkenburg, N.T. Porile, G. Rai, H.G. Ritter, J.L. Romero, R. Scharenberg, L. Schroeder, B. Srivastava, N.T.B. Stone, T.J.M. Symons, S. Wang, R. Wells, J. Whitfield, T. Wienold, R. Witt, L. Wood, W.N. Zhang, submitted for publication in November 2001 (Available on the LANL preprint server as nucl-ex/0111006).
3. Elliptic Flow in Au+Au Collisions at $\sqrt{s_{NN}} = 130$ GeV, K.H. Ackermann et al. (the STAR collaboration), *Phys. Rev. Lett.* **86** pp. 402-407 (2001).
4. Model-independent Source Imaging Using Two-pion Correlations in 2 to 8A GeV Au + Au Collisions, S.Y. Panitkin, N. N. Ajitanand, J. Alexander, M. Anderson, D. Best, F. P. Brady, T. Case, W. Caskey, D. Cebra, J. Chance, P. Chung, B. Cole, K. Crowe, A. Das, J. Draper, M. Gilkes, S. Gushue, M. Heffner, A. Hirsch, E. Hjort, L. Huo, M. Justice, M. Kaplan, D. Keane, J. Kintner, J. Klay, D. Krofcheck, R. Lacey, M.A. Lisa, H. Liu, Y. M. Liu, R. McGrath, Z. Milosevich, G. Odyniec, D. Olson, C. Pinkenburg, N. Porile, G. Rai, H. G. Ritter, J. Romero, R. Scharenberg, L. S. Schroeder, B. Srivastava, N. T. B. Stone, T. J. M. Symons, S. Wang, R. Wells, J. Whitfield, T. Wienold, R. Witt, L. Wood, X. Yang, W. N. Zhang, Y. Zhang, D. A. Brown, P. Danielewicz, *Phys. Rev. Lett.* **87**, 112304 (2001).
5. Directed Flow of Lambda Hyperons in 2 - 6A GeV Au + Au Collisions, P. Chung, N.N. Ajitanand, J.M. Alexander, M. Anderson, D. Best, F.P. Brady, T. Case, W. Caskey, D. Cebra, J.L. Chance, B. Cole, K. Crowe, A. Das, J.E. Draper, M.L. Gilkes, S. Gushue, M. Heffner, A.S. Hirsch, E.L. Hjort, L. Huo, M. Justice, M. Kaplan, D. Keane, J.C. Kintner, J. Klay, D. Krofcheck, R.A. Lacey, J. Lauret, M.A. Lisa, H. Liu, Y.M. Liu, R. McGrath, Z. Milosevich, G. Odyniec, D.L. Olson, S.Y. Panitkin, C. Pinkenburg, N.T. Porile, G. Rai, H.G. Ritter, J.L. Romero, R. Scharenberg, L.

Schroeder, B. Srivastava, N.T.B. Stone, T.J.M. Symons, T. Wienold, R. Witt, J. Whitfield, L. Wood, W.N. Zhang, Phys. Rev. Lett. **86**, 2533 (2001).

6. Azimuthal Dependence of Pion Interferometry at the AGS, M.A. Lisa, N.N. Ajitanand, J.M. Alexander, M. Anderson, D. Best, F.P. Brady, T. Case, W. Caskey, D. Cebra, J.L. Chance, P. Chung, B. Cole, K. Crowe, A.C. Das, J.E. Draper, M.L. Gilkes, S. Gushue, M. Heffner, A.S. Hirsch, E.L. Hjort, L. Huo, M. Justice, M. Kaplan, D. Keane, J.C. Kintner, J. Klay, D. Krofcheck, R.A. Lacey, J. Lauret, H. Liu, Y.M. Liu, R. McGrath, Z. Milosevich, G. Odyniec, D.L. Olson, S.Y. Panitkin, C. Pinkenburg, N.T. Porile, G. Rai, H.G. Ritter, J.L. Romero, R. Scharenberg, L.S. Schroeder, B. Srivastava, N.T.B. Stone, T.J.M. Symons, R. Wells, J. Whitfield, T. Wienold, R. Witt, L. Wood, W.N. Zhang, Phys. Lett. B **496**, 1 (2000).
7. Anti-flow of K⁰ Mesons in 6A GeV Au + Au Collisions, P. Chung, N.N. Ajitanand, J.M. Alexander, M. Anderson, D. Best, F.P. Brady, T. Case, W. Caskey, D. Cebra, J.L. Chance, B. Cole, K. Crowe, A.C. Das, J.E. Draper, A. Elmaani, M.L. Gilkes, S. Gushue, M. Heffner, A.S. Hirsch, E.L. Hjort, L. Huo, M. Justice, M. Kaplan, D. Keane, J.C. Kintner, J. Klay, D. Krofcheck, R.A. Lacey, J. Lauret, C. Law, M.A. Lisa, H. Liu, Y.M. Liu, R. McGrath, Z. Milosevich, G. Odyniec, D.L. Olson, S.Y. Panitkin, C. Pinkenburg, N.T. Porile, G. Rai, H.G. Ritter, J.L. Romero, R. Scharenberg, L. Schroeder, B. Srivastava, N.T.B. Stone, T.J.M. Symons, J. Whitfield, T. Wienold, R. Witt, L. Wood, W.N. Zhang, Phys. Rev. Lett. **85**, 940 (2000).
8. Sideward Flow in Au + Au Collisions Between 2A GeV and 8A GeV, H. Liu, N. N. Ajitanand, J. Alexander, M. Anderson, D. Best, F. P. Brady, T. Case, W. Caskey, D. Cebra, J. Chance, B. Cole, K. Crowe, A. Das, J. Draper, M. Gilkes, S. Gushue, M. Heffner, A. Hirsch, E. Hjort, L. Huo, M. Justice, M. Kaplan, D. Keane, J. Kintner, J. Klay, D. Krofcheck, R. Lacey, M. A. Lisa, Y. M. Liu, R. McGrath, Z. Milosevich, G. Odyniec, D. Olson, S. Y. Panitkin, N. Porile, G. Rai, H. G. Ritter, J. Romero, R. Scharenberg, L. S. Schroeder, B. Srivastava, N. T. B. Stone, T. J. M. Symons, S. Wang, J. Whitfield, T. Wienold, R. Witt, L. Wood, X. Yang, W. N. Zhang, Y. Zhang, Phys. Rev. Lett. **84**, 5488 (2000).
9. The Bombarding Energy Dependence of pi - Interferometry at the AGS, M.A. Lisa, N.N. Ajitanand, J.M. Alexander, M. Anderson, D. Best, F.P. Brady, T. Case, W. Caskey, D. Cebra, J.L. Chance, P. Chung, B. Cole, K. Crowe, A.C. Das, J.E. Draper, M.L. Gilkes, S. Gushue, M. Heffner, A.S. Hirsch, E.L. Hjort, L. Huo, M. Justice, M. Kaplan, D. Keane, J.C. Kintner, J. Klay, D. Krofcheck, R.A. Lacey, J. Lauret, H. Liu, Y.M. Liu, R. McGrath, Z. Milosevich, G. Odyniec, D.L. Olson, S.Y. Panitkin, C. Pinkenburg, N.T. Porile, G. Rai, H.G. Ritter, J.L. Romero, R. Scharenberg, L.S. Schroeder, B. Srivastava, N.T.B. Stone, T.J.M. Symons, R. Wells, J. Whitfield, T. Wienold, R. Witt, L. Wood, W.N. Zhang, Phys. Rev. Lett. **84**, 2798 (2000).
10. Elliptic Flow: Transition from Out-of-Plane to In-Plane Emission in Au + Au Collisions, C. Pinkenburg, N.N. Ajitanand, J.M. Alexander, M. Anderson, D. Best, F.P. Brady, T. Case, W. Caskey, D. Cebra, J.L. Chance, P. Chung, B. Cole, K.

Crowe, A.C. Das, J.E. Draper, M.L. Gilkes, S. Gushue, M. Heffner, A.S. Hirsch, E.L. Hjort, L. Huo, M. Justice, M. Kaplan, D. Keane, J.C. Kintner, J. Klay, D. Krofcheck, R.A. Lacey, C. Law, J. Lauret, M.A. Lisa, H. Liu, Y.M. Liu, R. McGrath, Z. Milosevich, G. Odyniec, D.L. Olson, S.Y. Panitkin, N.T. Porile, G. Rai, H.G. Ritter, J.L. Romero, R. Scharenberg, L. Schroeder, B. Srivastava, N.T.B. Stone, T.J.M. Symons, J. Whitfield, T. Wienold, R. Witt, L. Wood, W.N. Zhang, *Phys. Rev. Lett.* **83**, 1295 (1999).

11. Nuclear Stopping and Energy Removal in Central Heavy Ion Collisions of up to 115 MeV/Nucleon, Rulin Sun, E. Colin, N.N. Ajitanand, John M. Alexander, M.A. Barton, P. Danielewicz, P.A. DeYoung, K.L. Drake, A. Elmaani, C.J. Gelderloos, E.E. Gualtieri, D. Guinet, S. Hannuschke, J.A. Jaasma, L. Kowalski, Roy A. Lacey, J. Lauret, E. Norbeck, R. Pak, G.F. Peaslee, M. Stern, N.T.B. Stone, S.D. Sundbeck, A.M. Vander Molen, G.D. Westfall, J. Yee, *Phys. Rev. C* **57**, R1032 (1998).
12. Evidence for the Decay of Toroidal Geometries, N.T.B. Stone, O. Bjarki, E.E. Gualtieri, S.A. Hannuschke, R. Lacey, J. Lauret, W.J. Llope, D.J. Magestro, R. Pak, A.M. Vander Molen, G.D. Westfall, and J. Yee, *Phys. Rev. Lett.* **78**, 2084 (1997).
13. Results from the STAR TPC System Test, W. Betts, F. Bieser, R. Bossingham, M. Botlo, M. Cherney, J. Chrin, P. Colarco, H. Crawford, H. Diaz, K. Dao, D.E. Greiner, L. Greiner, E.L. Hjort, S. Jacobson, R.C. Jared, E. Judd, S.R. Klein, A.N. Lebedev, M.J. LeVine, V. Lindenstruth, M.A. Lisa, K. Marks, C. McParland, T.S. McShane, J. Meier, M.T. Nguyen, D.L. Olson, I. Sakrejda, J. Schambach, R.A. Scheetz, N.T.B. Stone, C.E. Tull, G. Visser, C. Vu, H. Wieman, E. Yee, *IEEE Transactions on Nuclear Science*, **44-3**, 592 (1997).
14. Isospin Dependence of Collective Transverse Flow in Nuclear Collisions, R. Pak, W. Benenson, O. Bjarki, J.A. Brown, S.A. Hannuschke, R.A. Lacey, Bao-An Li, A. Nadasen, E. Norbeck, P. Pogodin, D.E. Russ, M. Steiner, N.T.B. Stone, A.M. Vander Molen, G.D. Westfall, L.B. Yang, and S.J. Yennello, *Phys. Rev. Lett.* **78**, 1022 (1997).
15. Isospin Dependence of the Balance Energy, R. Pak, Bao-An Li, W. Benenson, O. Bjarki, J.A. Brown, S.A. Hannuschke, R.A. Lacey, D.J. Magestro, A. Nadasen, E. Norbeck, D.E. Russ, M. Steiner, N.T.B. Stone, A.M. Vander Molen, G.D. Westfall, L.B. Yang, and S.J. Yennello, *Phys. Rev. Lett.* **78**, 1026 (1997).
16. Momentum Dependence of the Nuclear Mean Field from Peripheral Heavy-Ion Collisions, R. Pak, O. Bjarki, S.A. Hannuschke, R.A. Lacey, J. Lauret, W.J. Llope, A. Nadasen, N.T.B. Stone, A.M. Vander Molen, and G.D. Westfall, *Phys. Rev. C* **54**, 2457 (1996).
17. Radial Flow in $^{40}\text{Ar}+^{45}\text{Sc}$ Reactions at $E = 35 - 115$ MeV/nucleon, R. Pak, D. Craig, E.E. Gualtieri, S.A. Hannuschke, R.A. Lacey, J. Lauret, W.J. Llope, N.T.B. Stone, A.M. Vander Molen, G.D. Westfall, and J. Yee, *Phys. Rev. C* **54**, 1681 (1996).
18. Impact Parameter Dependence of the Disappearance of Transverse Flow in Nuclear

- Collisions, R. Pak, W.J. Llope, D. Craig, E.E. Gualtieri, S.A. Hannuschke, R.A. Lacey, J. Lauret, A.C. Mignerey, D.E. Russ, N.T.B. Stone, A.M. Vander Molen, G.D. Westfall, and J. Yee, *Phys. Rev. C* **53**, R1469 (1996).
19. Two-proton Correlations from $^{16}\text{O}+^{197}\text{Au}$ Collisions at $E/A = 200$ MeV, S.J. Gaff, C.K. Gelbke, W. Bauer, F.C. Daffin, T. Glasmacher, E.E. Gualtieri, K. Haglin, D.O. Handzy, S. Hannuschke, M.J. Huang, G.J. Kunde, R. Lacey, W.G. Lynch, L. Martin, C.P. Montoya, R. Pak, S. Pratt, N. Stone, M.B. Tsang, A.M. Vander Molen, G.D. Westfall, and J. Yee, *Phys. Rev. C* **52**, 2782 (1995).
 20. Transitions in Nuclear Disassembly as Viewed by Fragment Charge Correlations, N.T.B. Stone, W.J. Llope, and G.D. Westfall, *Phys. Rev. C* **51**, 3157 (1995).
 21. The Fragment Coalescence Model, W.J. Llope, S.E. Pratt, N. Frazier, R. Pak, D. Craig, E.E. Gualtieri, S.A. Hannuschke, N.T.B. Stone, A.M. Vander Molen, G.D. Westfall, J. Yee, R.A. Lacey, J. Lauret, A.C. Mignerey, and D.E. Russ, *Phys. Rev. C* **52**, 2004 (1995).
 22. The Sphericity of Central Heavy Ion Collisions, W.J. Llope, W. Bauer, D. Craig, E.E. Gualtieri, S.A. Hannuschke, R.A. Lacey, J. Lauret, T. Li, C.M. Mader, A. Nadasen, E. Norbeck, R. Pak, G. Peilert, N.T.B. Stone, A. M. Vander Molen, G.D. Westfall, J. Yee, and S.J. Yennello, *Phys. Rev. C* **52**, 1900 (1995).
 23. Absence of Saturation in Energy Deposition in $^{40}\text{Ar}+^{232}\text{Th}$ Collisions at $E = 15 - 115$ A MeV, E.E. Gualtieri, J. Yee, D. Craig, S. Hannuschke, Roy A. Lacey, T. Li, W.J. Llope, A. Nadasen, E. Norbeck, R. Pak, N.T.B. Stone, A.M. Vander Molen, J.S. Winfield, G.D. Westfall, and S.J. Yennello, *Phys. Lett.* **357B**, 7 (1995).
 24. Tracking Fission-like Processes in Central Collisions of $^{40}\text{Ar}+^{232}\text{Th}$; $E = 15 - 115$ A MeV, J. Yee, E.E. Gualtieri, D. Craig, S.A. Hannuschke, T. Li, W.J. Llope, R. Pak, N.T.B. Stone, A.M. Vander Molen, G.D. Westfall, J.S. Winfield, S.J. Yennello, Roy A. Lacey, A. Nadasen, and E. Norbeck, *Phys. Lett.* **356B**, 191 (1995).
 25. Understanding Proton Emission in Central Heavy-Ion Collisions, D.O. Handzy, W. Bauer, F.C. Daffin, S.J. Gaff, C.K. Gelbke, T. Glasmacher, E.E. Gualtieri, S. Hannuschke, M.J. Huang, G.J. Kunde, R. Lacey, T. Li, M.A. Lisa, W.J. Llope, W.G. Lynch, L. Martin, C.P. Montoya, R. Pak, G.F. Peaslee, S. Pratt, C. Schwarz, N.T.B. Stone, M.B. Tsang, A.M. Vander Molen, G.D. Westfall, J. Yee, and S.J. Yennello, *Phys. Rev. Lett.* **75**, 2916 (1995).
 26. Autocorrelations and Intermediate Mass Fragment Multiplicities in Central Heavy Ion Collisions, W.J. Llope, J.A. Conrad, C.M. Mader, G. Peilert, W. Bauer, D. Craig, E.E. Gualtieri, S. Hannuschke, R.A. Lacey, J. Lauret, T. Li, A. Nadasen, E. Norbeck, R. Pak, N.T.B. Stone, A.M. Vander Molen, G.D. Westfall, J. Yee, and S.J. Yennello, *Phys. Rev. C* **51**, 1325 (1995).
 27. High-Order Azimuthal Correlation Functions: Powerful Probes for Collective Motion in Heavy Ion Reactions, J. Lauret, Roy A. Lacey, A. Elmaani, A. Tsepelis, A. Moores, G.D. Westfall, D. Craig, E.E. Gualtieri, S. Hannuschke, W.J. Llope, R. Pak,

N.T.B. Stone, A.M. Vander Molen, J. Yee, A. Nadasen, R.S. Tickle, and E. Norbeck, *Phys. Lett.* **339B**, 22 (1994).

28. Bragg Curve Spectroscopy in a 4 Geometry, D.A. Cebra, S. Howden, J. Karn, D. Kataria, M. Maier, A. Nadasen, C.A. Ogilvie, N.T.B. Stone, D. Swan, A.M. Vander Molen, W.K. Wilson, J.S. Winfield, J. Yurkon, G.D. Westfall, and E. Norbeck, *Nucl. Inst. Meth.* **A300**, 518 (1991).

Published Conference Proceedings

1. PDIO: High-Performance Remote File I/O for Portals-Enabled Compute Nodes, N.T.B. Stone, D. Balog, B. Gill, B. Johanson, J. Marsteller, P. Nowoczynski, D. Porter, R. Reddy, J.R. Scott, D. Simmel, J. Sommerfield, K. Vargo, C. Vizino, *Proceedings of the 2006 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'06/ISBN #:1-932415-89-0/CSREA)*, Editor: Hamid R. Arabnia, pp. 925-930, Las Vegas, USA, 2006.
2. Terascale I/O Solutions, N.T.B. Stone, J. Kochmar, P. Nowoczynski, J.R. Scott, D. Simmel, J. Sommerfield, C. Vizino, *LNCS* **2660**, 13, 2003.
3. Mass Storage on the Terascale Computing System, Nathan T.B. Stone, J. Ray Scott, John Kochmar, Jason Sommerfield, Ravi Subramanya, R. Reddy, Katie Vargo, *Proceedings of the 18th IEEE Symposium on Mass Storage*, San Diego, CA, 2001.
4. Alnilam: An Extensible Python-Based Job Scheduler, J. Kochmar, P. Nowoczynski, J. Ray Scott, J. Sommerfield, and N. Stone, *Proceedings of PDPTA 2000*, CSREA Press, June 2000.
5. Comparing Java Agents and MPI for writing Parallel Algorithms, John Kochmar, J. Ray Scott, and Nathan Stone, *Proceedings of PDPTA 1999*, CSREA Press, June 1999.
6. Recent Developments on the STAR Detector System at RHIC, H. Wieman and D.L. Adams, for the STAR Collaboration, *Proceedings of the 13th International Conference on Ultra-Relativistic Nucleus-Nucleus Collisions (Quark Matter 1997)*, Tsukuba, Japan, December 1-5, 1997.
7. Search for the Decay of Non-Compact Geometries, N.T.B. Stone, G.D. Westfall, E.E. Gualtieri, S.A. Hannuschke, W.J. Llope, R. Pak, D. Swan, A.M. Vander Molen, J. Yee, R. Lacey, J. Lauret, *Proceedings of the 12th Winter Workshop on Nuclear Dynamics*, Snowbird, UT, 1996.
8. Sub-Threshold Pion Production from Characterized Events in $^{20}\text{Ne}+^{27}\text{Al}$ Reactions at 90, 110, and 150 MeV/nucleon, S.A. Hannuschke, A.M. Vander Molen, D. Craig, E.E. Gualtieri, W.J. Llope, R. Pak, N.T.B. Stone, G.D. Westfall, J. Yee, R.A. Lacey, A. Nadasen, and E. Norbeck, *Proceedings of the 11th Winter Workshop on Nuclear Dynamics*, Key West, FL, 1995.
9. Impact Parameter Dependence of the Disappearance of Flow, R. Pak, W.J. Llope, D.

Craig, E.E. Gualtieri, S.A. Hannuschke, R.A. Lacey, J. Lauret, A.C. Mignerey, D.E. Russ, N.T.B. Stone, A.M. Vander Molen, G.D. Westfall, and J. Yee, Proceedings of the 11th Winter Workshop on Nuclear Dynamics, Key West, FL, 1995.

White Papers

1. A Checkpoint and Recovery System for the Pittsburgh Supercomputing Center Terascale Computing System, Nathan Stone, John Kochmar, Raghurama Reddy, J. Ray Scott, Jason Sommerfield, Chad Vizino, PSC technical report CMU-PSC-TR-2001-0002, 2001.
2. Simulations and Analysis Software for the STAR TPC, P.M. Jacobs, M.A. Lisa, I.M. Sakrejda, N.T.B. Stone, and the STAR Collaboration, LBNL Annual Report, 1997.
3. STAR TPC System Test, W. Betts, F. Bieser, R. Bossingham, M. Botlo, M. Cherney, J. Chrin, P. Colarco, H. Crawford, H. Diaz, K. Dao, D. Greiner, L. Greiner, E. Hjort, S. Jacobson, R.C. Jared, E. Judd, S.R. Klein, A.N. Lebedev, M.J. Levine, V. Lindenstruth, M.A. Lisa, K. Marks, C. McParland, T.S. McShane, J. Meier, M.T. Nguyen, D.L. Olson, I. Sakrejda, J. Schambach, R.A. Scheetz, N.T.B. Stone, C.E. Tull, G. Visser, C. Vu, H. Wieman, E. Yee, and the STAR Collaboration, LBNL Annual Report, 1997.
4. Search for the Decay of Non-Compact Geometries, N.T.B. Stone, O. Bjarki, E.E. Gualtieri, S.A. Hannuschke, R. Lacey, J. Lauret, W.J. Llope, R. Pak, A.M. Vander Molen, G.D. Westfall, and J. Yee, NSCL Annual Report, 1996.
5. Virtual Photon Scattering of ¹¹Be, N. Gan, J.R. Beene, M.L. Halbert, D.W. Stracener, R.L. Varner, A. Azhari, J. Brown, D.J. Morrissey, N.T.B. Stone, P. Thirolf, M. Thoennessen, G.D. Westfall, and S. Yokoyama, NSCL Annual Report, 1996.
6. A Zero Degree Detector for the 4 Array, N.T.B. Stone, G.D. Westfall, E.E. Gualtieri, S.A. Hannuschke, R. Pak, A.M. Vander Molen, J. Yee, W.J. Llope, D. Swan, R. Lacey, J. Lauret, NSCL Annual Report, 1995.
7. Transitions in Nuclear Disassembly as Viewed by Fragment Charge Correlations, N.T.B. Stone, G.D. Westfall, W.J. Llope, NSCL Annual Report, 1994.
8. Impact Parameter Dependence of the Disappearance of Transverse Flow in Nuclear Collisions, R. Pak, W.J. Llope, D. Craig, E.E. Gualtieri, S.A. Hannuschke, R.A. Lacey, J. Lauret, A.C. Mignerey, D.E. Russ, N.T.B. Stone, A.M. Vander Molen, G.D. Westfall, J. Yee, NSCL Annual Report, 1994.
9. Calibration of the Bragg Curve Counters and Fast Plastic Scintillators of the MSU 4 Array, N.T.B. Stone, G.D. Westfall, A.M. Vander Molen, J. Winfield, D. Krofcheck, R. Lacey, T. Reposeur, D. Cebra, W.K. Wilson, T.Q. Li, K. Tyson, J. Yee, NSCL REU Annual Report, 1990.

Seminars and Presentations

Over 75 presentations from 1994 to present, including the following topics (in reverse chronological order):

- User experience with Portals Direct I/O (PDIO)
- Interactive, remote, virtual file systems for HPC research
- Regression testing for scalable administration of hardware and software systems
- Checkpoint-restart systems (design, implementation, integration and automation), portability and system-level transparency
- Real-time hardware and software monitoring
- Terascale I/O issues
- Integrated storage management systems
- Intelligent archiving systems
- Collaborative systems for distributed research
- Experimental control software (calibration and configuration management)
- Nuclear particle detection hardware and electronics processing
- Nuclear physics theory and experiment

Honors, Awards, and Professional Societies

1. IEEE, 2002
2. Treasurer and Chair of Deacons, Bible Christian Fellowship, 2001 – present
3. President and founder, North Hills Christian Homeschoolers, 1999 – present
4. American Physical Society, 1993 – 1999
5. Phi Beta Kappa, 1992