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education	PhD (magna cum laude) in Nuclear Physics from the University of Giessen, Germany, February 1999. Title of dissertation: "Longitudinal Momentum Distributions of ^8B and ^{19}C : Signatures for One-Proton and One-Neutron Halos." Diplom in Physics from the University of Münster, Germany, June 1995. Title of thesis: "Untersuchung der Dipolriesenresonanz im angeregten ^{120}Sn ."
research positions	Physicist at the National Superconducting Cyclotron Laboratory (NSCL), Michigan State University, East Lansing, Michigan, since April 2003. Visiting assistant professor at the NSCL, March 1999–April 2003. Doctorate student at the Gesellschaft für Schwerionenforschung (GSI) in Darmstadt, Germany, 1995–1999. Research assistant at the NSCL 1993–1995.
scholarships	Scholarship of the German National Merit Foundation (Studienstiftung), 1992–1995.
experience	Planned and carried out experiments at GSI, the NSCL, RIKEN accelerator research facility in Japan, and Argonne National Laboratory. Development of programs for data analysis and detector simulation. Detector design and testing. Expert for DoE Review. Referee for Nuclear Instruments and Methods, Nuclear Physics A, and the American Institute of Physics.
teaching	Honors Physics Mechanics, spring 2002. Lectured on fragment separators and neutron detection at the NSCL Minicourse on Experimental Techniques, July 2001. Lectured classes for Honors Physics Electricity, fall 2000. Course on PAW and GEANT at the NSCL, spring 2000.
memberships	Deutsche Physikalische Gesellschaft, American Physical Society.
outreach	State supervisor for the Michigan Science Olympiad.
computing	Experienced user of VMS, UNIX/LINUX, Fortran, C++, PAW, GEANT, L ^A T _E X, Tcl/Tk.
language	German, English (fluent), French (functional), Spanish (basic).

Publications in Refereed Scientific Journals

1. Determination of the $N = 16$ shell closure at the oxygen drip line

C. R. Hoffman, T. Baumann, D. Bazin, J. Brown, G. Christian, P. A. DeYoung, J. E. Finck, N. Frank, J. Hinnefeld, R. Howes, P. Mears, E. Mosby, S. Mosby, J. Reith, B. Rizzo, W. F. Rogers, G. Peaslee, W. A. Peters, A. Schiller, M. J. Scott, S. L. Tabor, M. Thoennessen, P. J. Voss, and T. Williams (MoNA Collaboration)
Phys. Rev. Lett. 100 (2008) 152502

2. Big Physics at Small Places: The Mongol Horde Model of Undergraduate Research

P. J. Voss, J. E. Finck, R. H. Howes, J. Brown, T. Baumann, A. Schiller, M. Thoennessen, P. A. DeYoung, G. F. Peaslee, J. Hinnefeld, B. Luther, P. V. Pancella, W. F. Rogers
Journal of College Teaching & Learning 5 (2008) 37–46

3. Production of nuclei in neutron unbound states via primary fragmentation of ^{48}Ca

G. Christian, W. A. Peters, D. Absalon, D. Albertson, T. Baumann, D. Bazin, E. Breitbach, J. Brown, P. L. Cole, D. Denby, P. A. DeYoung, J. E. Finck, N. Frank, A. Fritsch, C. Hall, A. M. Hayes, J. Hinnefeld, C. R. Hoffman, R. Howes, B. Luther, E. Mosby, S. Mosby, D. Padilla, P. V. Pancella, G. Peaslee, W. F. Rogers, A. Schiller, M. J. Strongman, M. Thoennessen, L. O. Wagner

Nucl. Phys. A 801 (2008) 101–113

4. Discovery of ^{40}Mg and ^{42}Al suggests neutron drip-line slant towards heavier isotopes

T. Baumann, A. M. Amthor, D. Bazin, B. A. Brown, C. M. Folden III, A. Gade, T. N. Ginter, M. Hausmann, M. Matos, D. J. Morrissey, M. Portillo, A. Schiller, B. M. Sherrill, A. Stolz, O. B. Tarasov, M. Thoennessen
Nature 449 (2007) 1022–1024

5. New isotope ^{44}Si and systematics of the production cross sections of the most neutron-rich nuclei

O. B. Tarasov, T. Baumann, A. M. Amthor, D. Bazin, C. M. Folden III, A. Gade, T. N. Ginter, M. Hausmann, M. Matos, D. J. Morrissey, A. Nettleton, M. Portillo, A. Schiller, B. M. Sherrill, A. Stolz, M. Thoennessen
Phys. Rev. C 75 (2007) 064613

6. Shape and Structure of $N = Z = 64\text{Ge}$: Electromagnetic Transition Rates from the Application of the Recoil Distance Method to Knockout Reaction

K. Starosta, A. Dewald, A. Dunomes, P. Adrich, A. M. Amthor, T. Baumann, D. Bazin, M. Bowen, B. A. Brown, A. Chester, A. Gade, D. Galaviz, T. Glasmacher, T. Ginter, M. Hausmann, M. Horoi, J. Jolie, B. Melon, D. Miller, V. Moeller, R. P. Norris, T. Pissulla, M. Portillo, W. Rother, Y. Shimbara, A. Stolz, C. Vaman, P. Voss, D. Weisshaar, V. Zelevinsky

Phys. Rev. Lett. 99 (2007) 042503

7. Selective population and neutron decay of an excited state of ^{23}O

A. Schiller, N. Frank, T. Baumann, D. Bazin, B. A. Brown, J. Brown, P. A. DeYoung, J. E. Finck, A. Gade, J. Hinnefeld, R. Howes, J.-L. Lecouey, B. Luther, W. A. Peters, H. Scheit, M. Thoennessen, J. A. Tostevin
Phys. Rev. Lett. 99 (2007) 112501

8. Temperature and spin dependence of the giant dipole resonance width

P. Heckman, B. B. Back, T. Baumann, M. P. Carpenter, I. Diószegi, D. J. Hofman, T. L. Khoo, S. Mitsuoka,

V. Nanal, T. Pennington, J. P. Seitz, M. Thoennessen, E. Tryggestad, R. L. Varner

Nucl. Phys. A 750 (2005) 175

9. Search for particle-bound ^{26}O and ^{28}F in p-stripping reactions

A. Schiller, T. Baumann, J. Dietrich, S. Kaiser, W. Peters, and M. Thoennessen

Phys. Rev. C 72 (2005) 037601

10. Production of rare isotope beams with the NSCL fragment separator

A. Stolz, T. Baumann, T. N. Ginter, D. J. Morrissey, M. Portillo, B. M. Sherrill, M. Steiner and J. W. Stetson

Nucl. Instr. and Meth. B 241 (2005) 858–861

11. First observation of ^{60}Ge and ^{64}Se

A. Stolz, T. Baumann, N. H. Frank, T. N. Ginter, G. W. Hitt, E. Kwan, M. Mocko, W. Peters, A. Schiller, C. S. Sumithrarachchi and M. Thoennessen

Phys. Lett. B 627 (2005) 32–37

12. Fabrication of a modular neutron array: A collaborative approach to undergraduate research

R. H. Howes, T. Baumann, M. Thoennessen, J. Brown, P. A. DeYoung, J. Finck, J. Hinnefeld, K. W. Kemper, B. Luther, P. V. Pancella, G. F. Peaslee, W. F. Rogers, and S. Tabor

Am. J. Phys. 73 (2005) 122

13. Construction of a modular large-area neutron detector for the NSCL

T. Baumann, J. Boike, J. Brown, M. Bullinger, J. P. Bychowski, S. Clark, K. Daum, P. A. DeYoung, J. V. Evans, J. Finck, N. Frank, A. Grant, J. Hinnefeld, G. W. Hitt, R. H. Howes, B. Isselhardt, K. W. Kemper, J. Longacre, Y. Lu, B. Luther, S. T. Marley, D. McCollum, E. McDonald, U. Onwuemene, P. V. Pancella, G. F. Peaslee, W. A. Peters, M. Rajabali, J. Robertson, W. F. Rogers, S. L. Tabor, M. Thoennessen, E. Tryggestad, R. E. Turner, P. J. VanWylen, N. Walker

Nucl. Inst. and Meth. A 543 (2005) 517–527

14. Shell Structure of the Near-Dripline Nucleus ^{23}O

D. Cortina-Gil, J. Fernandez-Vazquez, T. Aumann, T. Baumann, J. Benlliure, M. J. G. Borge, L. V. Chulkov, U. Datta Pramanik, C. Forssén, L. M. Fraile, H. Geissel, J. Gerl, F. Hammache, K. Itahashi, R. Janik, B. Jonson, S. Mandal, K. Markenroth, M. Meister, M. Mocko, G. Mnzenberg, T. Ohtsubo, A. Ozawa, Y. Prezado, V. Pribora, K. Riisager, H. Scheit, R. Schneider, G. Schrieder, H. Simon, B. Sitar, A. Stolz, P. Strmen, K. Süümmerer, I. Szarka, and H. Weick

Phys. Rev. Lett. 93 (2004) 062501

15. Nuclear structure of light exotic nuclei from break-up reactions

D. Cortina-Gil, J. Fernandez-Vazquez, T. Aumann, T. Baumann, J. Benlliure, M.J.G. Borge, L.V. Chulkov, U. Datta Pramanik, C. Forssén, L.M. Fraile, H. Geissel, J. Gerl, F. Hammache, K. Itahashi, R. Janik, B. Jonson, S. Mandal, K. Markenroth, M. Meister, M. Mocko, G. Münzenberg, T. Ohtsubo, A. Ozawa, Y. Prezado, V. Pribora, K. Riisager, H. Scheit, R. Schneider, G. Schrieder, H. Simon, B. Sitar, A. Stolz, P. Strmen, K. Süümmerer, I. Szarka, H. Weick

Nucl. Phys. A 746 (2004) 479c–482c

16. Single Proton Knock-Out from ^{24}F

M. Thoennessen, T. Baumann, B. A. Brown, J. Enders, N. Frank, P. G. Hansen, P. Heckman, B. A. Luther, J. Seitz, A. Stolz, E. Tryggestad

Nucl. Phys. A 746 (2004) 536c–539c

17. Half-life Limit of ^{19}Mg

N. Frank, T. Baumann, D. Bazin, R. R. C. Clement, M. W. Cooper, P. Heckman, W. A. Peters, A. Stolz, M. Thoennessen, M. S. Wallace

Nucl. Phys. A 746 (2004) 551c–554c

18. Half-life Limit of ^{19}Mg

N. Frank, T. Baumann, D. Bazin, R. R. C. Clement, M. W. Cooper, P. Heckman, W. A. Peters, A. Stolz, M. Thoennessen, M. S. Wallace

Phys. Rev. C 68 (2003) 054309

19. Erratum to: “Measurements of the interact ion cross sections for Ar and Cl isotopes”: [Nucl. Phys. A 709 (2002) 60]

A. Ozawa, T. Baumann, L. Chulkov, D. Cortina, U. Datta, J. Fernandez, H. Geissel, F. Hammache, K. Itahashi, M. Ivanov R. Janik, T. Kato, K. Kimura, T. Kobayashi, K. Markenroth, M. Meister, G. Münzenberg, T. Ohtsubo, S. Ohya, T. Okuda, A.A. Ogloblin, V. Pribora, M. Sekiguchi, B. Sitár, P. Strmen, S. Sugimoto, K. Sümmeler, T. Suzuki, I. Tanihata, Y. Yamaguchi

Nucl. Phys. A 727 (2003) 465–466

20. Single Proton Knock-Out Reactions from $^{24,25,26}\text{F}$

M. Thoennessen, T. Baumann, B. A. Brown, J. Enders, N. Frank, P. G. Hansen, P. Heckman, B. A. Luther, J. Seitz, A. Stolz, E. Tryggestad

Phys. Rev. C 68 (2003) 044318

21. First two energy levels in ^{15}F

W. A. Peters, T. Baumann, D. Bazin, B. A. Brown, R. R. C. Clement, N. Frank, P. Heckman, B. A. Luther, F. Nunes, J. Seitz, A. Stolz, M. Thoennessen, E. Tryggestad

Phys. Rev. C 68 (2003) 034607

22. Using passive converters to enhance detection efficiency of 100-MeV neutrons

T. Baumann, H. Ikeda, M. Kurokawa, M. Miura, T. Nakamura, Y. Nishi, S. Nishimura, A. Ozawa, T. Sugimoto, I. Tanihata, M. Thoennessen

Nucl. Instr. and Meth. A 505 (2003) 25–28

23. MoNA—The Modular Neutron Array

B. Luther, T. Baumann, M. Thoennessen, J. Brown, P. DeYoung, J. Finck, J. Hinnefeld, R. Howes, K. Kemper, P. Pancella, G. Peaslee, W. Rogers, S. Tabor

Nucl. Instr. and Meth. A 505 (2003) 33–35

24. First search for ^{16}Be

T. Baumann, N. Frank, B. A. Luther, D. J. Morrissey, J. P. Seitz, B. M. Sherrill, M. Steiner, J. Stetson, A. Stolz, M. Thoennessen, I. Wiedenhöver

Phys. Rev. C 67 (2003) 061303(R)

25. Low-lying E1 strength in ^{20}O

E. Tryggestad, T. Baumann, P. Heckmann, M. Thoennessen, T. Aumann, D. Bazin, Y. Blumenfeld, J. R. Beene, T. A. Lewis, D. C. Radford, D. Shapira, R. L. Varner, M. Chartier, M. L. Halbert, J. F. Liang

Phys. Rev. C 67 (2003) 064309

26. Spectroscopic factors measured in inclusive proton-knockout reactions on ^8B and ^9C at intermediate energies

J. Enders, T. Baumann, B. A. Brown, N. H. Frank, P. G. Hansen, P. R. Heckman, B. M. Sherrill, A. Stolz, M. Thoennessen, J. A. Tostevin, E. J. Tryggestad, S. Typel, M. S. Wallace

Phys. Rev. C 67 (2003) 064301

27. Nuclear and Coulomb break-up of ^8B

D. Cortina-Gil, J. Fernandez-Vazquez, F. Attalah, T. Baumann, J. Benlliure, M.J.G. Borge, L. Chulkov, C. Forssén, L.M. Fraile, H. Geissel, J. Gerl, K. Itahashi, R. Janik, B. Jonson, S. Karlsson, H. Lenske, S. Mandal, K. Markenroth, M. Meister, M. Mocko, G. Münzenberg, T. Ohtsubo, A. Ozawa, Yu. Parfenova, V. Pribora, A. Richter, K. Riisager, R. Schneider, H. Scheit, G. Schrieder, N. Shulgina, H. Simon, B. Sitar, A. Stolz, P. Strmen, K. Sümerer, I. Szarka, S. Wan, H. Weick, M.V. Zhukov

Nucl. Phys. A 720 (2003) 3–19

28. High-energy breakup of ^8B

M. Meister, D. Cortina-Gil, J. Fernandez-Vazquez, K. Markenroth, F. Attallah, T. Baumann, J. Benlliure, M.J.G. Borge, L.V. Chulkov, U. Datta Pramanik, C. Forssén, L. M. Fraile, H. Geissel, J. Gerl, F. Hammache, K. Itahashi, R. Janik, B. Jonson, S. Karlsson, H. Lenske, S. Mandal, M. Mocko, G. Münzenberg, T. Ohtsubo, A. Ozawa, Y. Parfenova, V. Pribora, K. Riisager, H. Scheit, R. Schneider, K. Schmidt, G. Schrieder, H. Simon, B. Sitar, A. Stolz, P. Strmen, K. Sümerer, I. Szarka, S. Wan, H. Weick, M. Zhukov

Nucl. Phys. A 718 (2003) 431c–433c

29. Measurement of the interaction cross sections for Ar and Cl isotopes

A. Ozawa, T. Baumann, L. Chulkov, D. Cortina, U. Datta, J. Fernandez, H. Geissel, F. Hammache, K. Itahashi, M. Ivanov, R. Janik, T. Kato, K. Kimura, T. Kobayashi, K. Markenroth, M. Meister, G. Münzenberg, T. Ohtsubo, S. Ohya, T. Okuda, A.A. Ogloblin, V. Pribora, M. Sekiguchi, B. Sitár, P. Strmen, S. Sugimoto, K. Sümerer, T. Suzuki, I. Tanihata, Y. Yamaguchi

Nucl. Phys. A 709 (2002) 60–72

30. Low-lying dipole strength in ^{20}O

E. Tryggestad, T. Aumann, T. Baumann, D. Bazin, J.R. Beene, Y. Blumenfeld, B.A. Brown, M. Chartier, M.L. Halbert, P. Heckman, J.F. Liang, D.C. Radford, D. Shapira, M. Thoennessen, R.L. Varner

Phys. Lett. B 541 (2002) 52–58

31. Improving neutron detection efficiency by using passive converters

T. Baumann, H. Ikeda, M. Kurokawa, M. Miura, T. Nakamura, Y. Nishi, S. Nishimura, A. Ozawa, T. Sugimoto, I. Tanihata, M. Thoennessen

Nucl. Instr. and Meth. B 192 (2002) 339–344

32. ^8He – ^6He : a comparative study of electromagnetic fragmentation reactions

M. Meister, K. Markenroth, D. Aleksandrov, T. Aumann, T. Baumann, M.J.G. Borge, L.V. Chulkov, D. Cortina-Gil, B. Eberlein, Th.W. Elze, H. Emling, H. Geissel, M. Hellström, B. Jonson, J.V. Kratz, R. Kulessa, A. Leistenschneider, I. Mukha, G. Münzenberg, F. Nickel, T. Nilsson, G. Nyman, M. Pfützner, V. Pribora, A. Richter, K. Riisager, C. Scheidenberger, G. Schrieder, H. Simon, O. Tengblad, M.V. Zhukov

Nucl. Phys. A 700 (2002) 3–16

33. Experimental evidence for the ${}^8\text{B}$ ground state configuration

D. Cortina-Gil, K. Markenroth, F. Attalah, T. Baumann, J. Benlliure, M.J.G. Borge, L.V. Chulkov, U. Datta Pramanik, J. Fernandez-Vazquez, C. Forssén, L.M. Fraile, H. Geissel, J. Gerl, F. Hammache, K. Itahashi, R. Janik, B. Jonson, S. Karlsson, H. Lenske, S. Mandal, M. Meister, M. Mocko, G. Münzenberg, T. Ohtsubo, A. Ozawa, V. Parfenova, V. Pribora, K. Riisager, H. Scheit, R. Schneider, K. Schmidt, G. Schrieder, H. Simon, B. Sitar, A. Stolz, P. Strmen, K. Sümmeler, I. Szarka, S. Wan, H. Weick, M. Zhukov

Phys. Lett. B 529 (2002) 36–41

34. Catching energetic heavy-ion beams in gas

T. Baumann, M.J. Chromik, R.R.C. Clement, C. Freigang, P. Heckman, J.P. Seitz, B.M. Sherrill, M. Thoennessen, E.J. Tryggestad

Nucl. Instr. and Meth. B 184/4 (2001) 473–477

35. Evidence for a New Low-Lying Resonance State in ${}^7\text{He}$

M. Meister, K. Markenroth, D. Aleksandrov, T. Aumann, L. Axelsson, T. Baumann, M.J.G. Borge, L.V. Chulkov, W. Dostal, B. Eberlein, Th.W. Elze, H. Emling, C. Forssén, H. Geissel, M. Hellström, R. Holzmann, B. Jonson, J.V. Kratz, R. Kulessa, A. Leistenschneider, I. Mukha, G. Münzenberg, F. Nickel, T. Nilsson, G. Nyman, A. Richter, K. Riisager, C. Scheidenberger, G. Schrieder, H. Simon, O. Tengblad, M.V. Zhukov

Phys. Rev. Lett. 88 (2002) 102501

36. One-nucleon removal cross sections for ${}^{17,19}\text{C}$ and ${}^{8,10}\text{B}$

D. Cortina-Gil, T. Baumann, H. Geissel, H. Lenske, K. Sümmeler, L. Axelsson, U. Bergmann, M.J.G. Borge, L.M. Fraile, M. Hellström, M. Ivanov, N. Iwasa, R. Janik, B. Jonson, K. Markenroth, G. Münzenberg, F. Nickel, T. Nilsson, A. Ozawa, K. Riisager, G. Schrieder, W. Schwab, H. Simon, C. Scheidenberger, B. Sitar, T. Suzuki, M. Winkler

Eur. Phys. J. A 10 (2001) 49–56

37. $S_{17}(0)$ Determined from the Coulomb Breakup of 83 MeV/nucleon ${}^8\text{B}$

B. Davids, D.W. Anthony, T. Aumann, S.M. Austin, T. Baumann, D. Bazin, R.R.C. Clement, C.N. Davids, H. Esbensen, P.A. Lofy, T. Nakamura, B.M. Sherrill, J. Yurkon

Phys. Rev. Lett. 86 (2001) 2750–2753

38. ^8He - ^6He : a comparative study of nuclear fragmentation reactions

K. Markenroth, M. Meister, B. Eberlein, D. Aleksandrov, T. Aumann, L. Axelsson, T. Baumann, M.J.G. Borge, L.V. Chulkov, W. Dostal, Th.W. Elze, H. Emling, H. Geissel, A. Grünschloss, M. Hellström, J. Holeczek, B. Jonson, J.V. Kratz, R. Kulessa, A. Leistenschneider, I. Mukha, G. Münzenberg, F. Nickel, T. Nilsson, G. Nyman, M. Pfützner, V. Pribora, A. Richter, K. Riisager, C. Scheidenberger, G. Schriener, H. Simon, J. Stroth, O. Tengblad, M.V. Zhukov

Nucl. Phys. A 679 (2001) 462–480

39. Direct Evidence for the Breakdown of the $N = 8$ Shell Closure in ^{12}Be

A. Navin, D.W. Anthony, T. Aumann, T. Baumann, D. Bazin, Y. Blumenfeld, B.A. Brown, T. Glasmacher, P.G. Hansen, R.W. Ibbotson, P.A. Lofy, V. Maddalena, K. Miller, T. Nakamura, B.V. Pritychenko, B.M. Sherrill, E. Spears, M. Steiner, J.A. Tostevin, J. Yurkon, A. Wagner

Phys. Rev. Lett. 85 (2000) 266

40. Slowing Down of Relativistic Few-Electron Heavy Ions

H. Weick, H. Geissel, C. Scheidenberger, F. Attallah, T. Baumann, D. Cortina, M. Hausmann, B. Lommel, G. Münzenberg, N. Nankov, F. Nickel, T. Radon, H. Schatz, K. Schmidt, J. Stadlmann, K. Sümmeler, M. Winkler, H. Wollnik

Nucl. Instr. and Meth. B 164/165 (2000) 168–179

41. Halo Excitations in Fragmentation of ^6He at 240 MeV/u on Carbon and Lead Targets

D. Aleksandrov, T. Aumann, L. Axelsson, T. Baumann, M.J.G. Borge, L.V. Chulkov, J. Cub, W. Dostal, B. Eberlein, Th.W. Elze, H. Emling, H. Geissel, V.Z. Goldberg, A. Grünschloss, M. Hellström, J. Holeczek, R. Holzmann, B. Jonson, J.V. Kratz, G. Kraus, R. Kulessa, Y. Leifels, A. Leistenschneider, T. Leth, K. Markenroth, M. Meister, I. Mukha, G. Münzenberg, F. Nickel, T. Nilsson, G. Nyman, B. Petersen, M. Pfützner, V. Pribora, A. Richter, K. Riisager, C. Scheidenberger, G. Schriener, W. Schwab, H. Simon, M.H. Smedberg, J. Stroth, A. Surowiec, O. Tengblad, M.V. Zhukov

Nucl. Phys. A 669 (2000) 51

42. Measurement of the Coulomb Dissociation of ^8B at 254 MeV/nucleon and the ^8B Solar Neutrino Flux

N. Iwasa, F. Boué, G. Surówka, K. Sümmeler, T. Baumann, B. Blank, S. Czajkowski, A. Förster, M. Gai, H. Geissel, E. Grosse, M. Hellström, P. Koczon, B. Kohlmeyer, R. Kulessa, F. Laue, C. Marchand, T. Motobayashi, H. Oeschler, A. Ozawa, M.S. Pravikoff, E. Schwab, W. Schwab, P. Senger, J. Speer, C. Sturm, A. Surowiec, T. Teranishi, F. Uhlig, A. Wagner, W. Walus, C.A. Bertulani

Phys. Rev. Lett. 83 (1999) 2910

43. Direct Experimental Evidence for Strong Admixture of Different Parity States in ^{11}Li

H. Simon, D. Aleksandrov, T. Aumann, L. Axelsson, T. Baumann, M.J.G. Borge, L.V. Chulkov, R. Collatz, J. Cub, W. Dostal, B. Eberlein, Th.W. Elze, H. Emling, H. Geissel, A. Grünschloß, M. Hellström, J. Holeczek, R. Holzmann, B. Jonson, J.V. Kratz, G. Kraus, R. Kulessa, Y. Leifels, A. Leistenschneider, T. Leth, I. Mukha, G. Münzenberg, F. Nickel, T. Nilsson, G. Nyman, B. Petersen, M. Pfützner, A. Richter, K. Riisager, C. Scheidenberger, G. Schriener, W. Schwab, M.H. Smedberg, J. Stroth, A. Surowiec, O. Tengblad, M.V. Zhukov

Phys. Rev. Lett. 83 (1999) 496

44. New results on the halo structure of ${}^8\text{B}$

M.H. Smedberg, T. Baumann, T. Aumann, L. Axelsson, U. Bergmann, M.J.G. Borge, D. Cortina-Gil, L.M. Fraile, H. Geissel, L. Grigorenko, M. Hellström, M. Ivanov, N. Iwasa, R. Janik, B. Jonson, H. Lenske, K. Markenroth, G. Münzenberg, T. Nilsson, A. Richter, K. Riisager, C. Scheidenberger, G. Schrieder, W. Schwab, H. Simon, B. Sitar, P. Strmen, K. Süümmerer, M. Winkler, M.V. Zhukov

Phys. Lett. B 452 (1999) 1–7

45. Coulomb dissociation of ${}^8\text{B}$ at 254 MeV/u

G. Surówka, N. Iwasa, F. Boué, K. Süümmerer, T. Baumann, B. Blank, S. Czajkowski, A. Förster, M. Gai, H. Geissel, E. Grosse, M. Hellström, P. Koczon, B. Kohlmeyer, R. Kulessa, F. Laue, C. Marchand, T. Motobayashi, H. Oeschler, A. Ozawa, M.S. Pravikoff, E. Schwab, W. Schwab, P. Senger, J. Speer, C. Sturm, A. Surowiec, T. Teranishi, F. Uhlig, A. Wagner, W. Walus

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4. Nuclear Structure Studies of ${}^8\text{B}$ via Momentum Measurements

T. Baumann, H. Geissel, H. Lenske, K. Markenroth, W. Schwab, M.H. Smedberg, T. Aumann, L. Axelsson, U. Bergmann, M.J.G. Borge, D. Cortina-Gil, L. Fraile, M. Hellström, M. Ivanov, N. Iwasa, R. Janik, B. Jonson, G. Münzenberg, F. Nickel, T. Nilsson, A. Ozawa, A. Richter, K. Riisager, C. Scheidenberger, G. Schrieder, H. Simon, B. Sitar, P. Strmen, K. Sümmerer, T. Suzuki, M. Winkler, H. Wollnik, M.V. Zhukov

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5. Development of TPC for Heavy Ion Tracking

T. Baumann, V. Hlinka, M. Ivanov, R. Janik, L. Lúčan, W. Schwab, B. Sitár, P. Strmeň, I. Szarka
Acta Physica Universitatis Comenianae XXXVII (1996) 3–18

Invited Talks

1. Discovery of ^{40}Mg and ^{42}Al

Invited talk at the 2008 April Meeting of the American Physical Society, St. Louis, Missouri, April 11–15, 2008

2. MoNA – The Modular Neutron Array at the NSCL

Invited talk at the 17th International Conference on the Application of Accelerators in Research and Industry (CAARI 2002), Denton, Texas, November 12–16, 2002.

3. The NSCL Coupled Cyclotron Project: Status and Latest News

Invited talk at the 16th International Conference on the Application of Accelerators in Research and Industry (CAARI 2000), Denton, Texas, November 1–4, 2000.

Seminar Talks

1. The Modular Neutron Array & the MoNA collaboration

Physics Department Seminar, Central Michigan University, Mount Pleasant, Michigan, March 30, 2006

2. The Coupled Cyclotron Facility and MoNA at the NSCL

Triangle Universities Nuclear Laboratory Seminar, Durham, North Carolina, November 21, 2002

3. Halo Nuclei

Research-Experience-for-Undergraduates Seminar, Michigan State University, July 19, 2002

4. Longitudinal Momentum Distributions of ^8B and ^{19}C , signatures for one-proton and one-neutron halos

NSCL Seminar, National Superconducting Cyclotron Laboratory, East Lansing, Michigan, September 8, 1999

Other Presentations

1. Observation of new neutron-rich Mg, Al, and Si isotopes

Talk at the 2007 Fall Meeting of the Division of Nuclear Physics, American Physical Society, Newport News, Virginia, October 10–13, 2007

2. Detection Efficiency of the Modular Neutron Array

Talk at the 2006 Fall Meeting of the Division of Nuclear Physics, American Physical Society, Nashville, Tennessee, October 25–28, 2006

3. FPGA-based Trigger Logic for the Modular Neutron Array

Talk at the 2004 Spring Meeting of the American Physical Society, Denver, Colorado, May 1–4, 2004

4. Status of the MoNA project

Talk at the 2003 Fall Meeting of the Division of Nuclear Physics, American Physical Society, Tucson, Arizona, October 29–November 1, 2003

5. Single-proton knock-out reactions from $^{24,25,26}\text{F}$

Talk at the 2003 Spring Meeting of the American Physical Society, Philadelphia, Pennsylvania, April 5–8, 2003

6. Search for ^{16}Be

Talk at the 2002 Fall Meeting of the Division of Nuclear Physics, American Physical Society, East Lansing, Michigan, October 9–12, 2002

7. Search for ^{16}Be

Poster at the Conference on Frontiers of Nuclear Structure, Berkeley, California, July 29–August 2, 2002

8. Using passive converters to enhance detection efficiency of 100-MeV neutrons

Poster at the Tenth Symposium on Radiation Measurements and Applications, University of Michigan, Ann Arbor, Michigan, USA, May 21–23, 2002

9. Development of a new neutron wall for the NSCL

Talk at the Annual Fall Meeting of the Division of Nuclear Physics of the American Physical Society, Williamsburg, Virginia, October 4–7, 2000

10. Stopping energetic beams in gas

Poster at the Fifth International Conference on Radioactive Nuclear Beams (RNB-5), Divonne, France, April 2000

11. Probing the nuclear structure of ^8B and ^{19}C , measuring longitudinal momentum distributions after one-nucleon removal

Poster at the Second International Conference on Exotic Nuclei and Atomic Masses (ENAM98), Bellaire, Michigan, USA, June 1998

12. Longitudinal Momentum Distributions: A Probe for Nuclear Structure

Talk at the Halo '98 workshop, Lisboa, Portugal, April 1998

13. Probing Nuclear Structure of Light Exotic Nuclei with Breakup Reactions

Talk at the meeting of the German Physical Society DPG 98, Bochum, Germany, March 1998

14. Investigation of Halo Nuclei at Relativistic Energies, Measurements of longitudinal momentum distributions at the Fragment Separator FRS

Talk at the Halo '97 workshop, Särö, Göteborg, Sweden, June 1997

15. Untersuchung von Halo-Kernen bei relativistischen Energien

Talk at the meeting of the German Physical Society DPG 97, Göttingen, Germany, February 1997

16. Investigation of Halo Nuclei at Relativistic Energies, Measurements of longitudinal momentum distributions at the FRS

Poster at the Gull Lake Conference on Nuclear Physics Near the Drip Lines, Gull Lake, Michigan, USA, September 1996

17. Study of relativistic halo-nuclei at the Fragment Separator (FRS) of GSI

Talk at the Halo '96 workshop, Guildford, United Kingdom, April 1996

18. High Energy Photon Production in Inelastic Alpha Scattering

Poster at the Giant Resonances Conference (GR95), Groningen, The Netherlands, June 28–July 1, 1995

19. Giant Resonances Built on Highly Excited States in ^{120}Sn

Talk at the Spring Meeting of the American Physical Society, Crystal City, VA, April 1994