CURRICULUM VITAE

Andreas Stolz
Professor (NSCL/FRIB)

Facility for Rare Isotope Beams
Michigan State University
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Education

May 2001	Ph.D. in Physics (summa cum laude), Technical University Munich, Garching, Germany
May 1995	Diplom in Physics, Technical University Munich, Garching, Germany

Academic Positions

2021 – present	Professor, Facility for Rare Isotope Beams, Michigan State University, East Lansing, Michigan
2008 – 2021	Associate Professor, National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, Michigan
2003 – 2008	Assistant Professor, National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, Michigan
2001 – 2003	Visiting Assistant Professor, National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, Michigan
1996 – 2000	several research visits at GSI, Darmstadt, Germany, for experiments at the fragment separator
1995 – 2000	Research Assistant, Technical University Munich

Administrative Positions

2021 – present	Rare Isotope Operations Department Manager
2008 – 2021	Department Head, Operations Department
2005 – 2008	Deputy Department Head, Operations Department
2003 – 2006	Group Leader of A1900 fragment separator group

Awards

2001	Science award of the department for Physics and Astronomy of the Julius-Maximilians University Wuerzburg, Germany

Professional Activities

Reviewer for Physical Review C, European Physical Journal A, Nuclear Instruments and Methods A & B, Review of Scientific Instruments, Journal of Instrumentation
Reviewer for U.S. Department of Energy SBIR/STTIR grants
Reviewer for National Science Foundation MRI grants
Member of American Physical Society (APS) and American Association for the Advancement of Science (AAAS)

Research Interests

My primary research interest is centered on the production of rare isotope beams with fragment separators and the study of the structure of nuclei at the limits of existence. The fragment separator at the Facility for Rare Isotope Beams produces beams of very rare radioactive ions, some of which have not been observed before. This provides the setting to study the decay properties of the most exotic nuclei. The investigation of the limits of nuclear stability provides a key benchmark for nuclear models and is fundamental to the understanding of the nuclear forces and structure.

An additional research area is the development of particle detectors made from diamond produced by chemical vapor deposition. The special properties of diamond allow the development of radiation-hard timing and tracking detectors with excellent timing properties at very high incident particle rates.

Administrative Responsibilities

As the Rare Isotope Operations Department Manager I'm responsible for efficient operation of the production target, fragment separator, and beam transport lines at the Facility of Rare Isotope Beams. The goal of Operations is the timely delivery of rare-isotope beams at high facility availability in order to achieve excellent experimenter's satisfaction.

Expert Consultation

Qualified as an expert in Metrology (science of measurement) and Physics over 50 times in courts in Michigan, Arizona, California, Massachusetts, Minnesota, New Jersey, Vermont, and in Quebec, Canada.

Forensic Metrology Presentations and Publications

"Forensic Analysis in Drugged Driving Cases", Presentation at the Criminal Defense Attorneys of Michigan (CDMA) Fall Conference 2012, November 09, 2012, Traverse City, MI

"Measurement Uncertainty: The Foundation for Reliable Forensic Toxicology", M.J. Nichols and A. Stolz, Inside the Minds: Understanding DUI Scientific Evidence, 2012 Edition, Thomson Reuters/Aspatore, 2012, p. 171-195

"You Can't Test Nothing", Presentation at the Ohio Association of Criminal Defense Lawyers (OACDL), DUI Defense Seminar, March 07-09, 2013, Columbus, OH

"Measuring Nothing – Challenging the procedures of the State Laboratory", Geneese County Bar Association, Criminal Law Seminar, May 02-03, 2013, Flint, MI

"Measuring Nothing: Limitations of Quantitative Confirmation Analysis and the National Trend Toward Zero Tolerant Per Se THC Limits in Drivers", A. Stolz, M.J. Nichols, J.C. Brehmer, Proceedings of the American Academy of Forensic Sciences, 66th Annual Scientific Meeting, February 17-22, 2014, Seattle, WA

"How accurate are blood and breath results? – Measurement Uncertainty", Presentation at the National College for DUI Defense (NCDD), Science as Your Best Defense Training Seminar, November 14-15, 2014, Phoenix, AZ

"The Science Behind Blood/Breath Alcohol Measurements", Presentation at the Michigan Association of OWI Attorneys (MIAOWIA), Fall Seminar, December 05-06, 2014, Detroit, MI

"Understanding Current Scientific Forensic Metrology", Presentation at the Michigan Judicial Institute, Judicial Symposium for Trial Court Judges, May 05-06, 2015, Lansing, MI

"Forensic Metrology", Presentation at the Michigan District Judges Association Conference, August 16-18, 2015, Thompsonville, MI

"Forensic Metrology – The Science Behind Reliable Measurements in Drugged Driving Cases", Teaching Coursse at the National College for DUI Defense (NCDD), Science as Your Best Defense Training Seminar, November 06-07, 2015, Atlanta, GA

"Forensic Metrology – Living with Uncertainty", Presentation at the Forensic Metrology Training Seminar for Bexar County Prosecutors, April 18-20, 2016, San Antonio, TX

"Forensic Metrology", Presentation at the Metrology Seminar of the Association des Avocats de La Défense de Montréal, July 7-9, 2016, Montréal, Québec, Canada

"Forensic Metrology – Living with Uncertainty", Teaching Course at the National College for DUI Defense (NCDD), Metrology 3.0: Science as Your Best Defense Seminar, November 3-4, 2016, San Diego, CA

"Forensic Metrology and Instrumental Drug Analysis", Teaching Course at the National College for DUI Defense (NCDD), Serious Science: Blood Drug Analysis and Trial Advocacy Course, December 9-14, 2016, Arlington, TX

"Forensic Metrology – Reliable Measurements in Drugged Driving Cases", Presentation at the Michigan Association of OWI Attorneys (MIAOWIA), Spring Seminar, May 12-13, 2017, East Lansing, MI

"Forensic Metrology and Instrumental Drug Analysis", Teaching Course at the National College for DUI Defense (NCDD), Serious Science for Serious Lawyers: Advanced Training in Blood Drug Analysis and Trial Advocacy, June 8-13, 2018, Arlington, TX

List of Publications

Articles in refereed journals

A two-dimensional position sensitive microstrip gas chamber for single VUV photons,
K. Zeitelhack, A. Stolz, B. Bauer, C. Erbe, J. Friese, R. Gernhäuser, A. Kastenmüller, P. Kienle, H.-J. Körner, P. Maier-Komor, M. Münch, S. Winkler,
Nucl. Instr. Meth. A 371 (1996) 57
http://dx.doi.org/10.1016/0168-9002(95)01139-0

HIRICH, a novel device for velocity measurement of relativistic ions,
R. Gernhäuser, J. Friese, J. Homolka, A. Kastenmüller, P. Kienle, H.-J. Körner, M. Münch, A. Stolz, R. Schneider, K. Zeitelhack,
Nucl. Instr. Meth. A 433 (1999) 217
http://dx.doi.org/10.1016/S0168-9002(99)00314-9

Experimental evidence for the ^{8}B ground state configuration,
D. Cortina-Gil, K. Markenroth, F. Attallah, T. Baumann, J. Benlliure, M. J. G. Borge, L. V. Chulkov, U. Datta Pramanik, J. Fernandez-Vazquez, C. Forssen, 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, Y. Parfenova, V. Pribora, K. Riisager, H. Scheit, R. Schneider, K. Schmidt, G. Schrieder, H. Simon, B. Sitar, A. Stolz, P. Strmen, K. Sümmerer, I. Szarka, S. Wan, H. Weick, M. Zhukov,
Phys. Lett. B 529 (2002) 36
http://dx.doi.org/10.1016/S0370-2693(02)01245-5

Projectile fragmentation of ^{112}Sn at Elab = 1 A GeV,
A. Stolz, T. Faestermann, J. Friese, P. Kienle, H.-J. Körner, M. Münch, R. Schneider, E. Wefers, K. Zeitelhack, K. Sümmerer, H. Geissel, J. Gerl, G. Münzenberg, C. Schlegel, R. S. Simon, H. Weick, M. Hellström, M. N. Mineva, P. Thirolf,
Phys. Rev. C 65 (2002) 064603
http://dx.doi.org/10.1103/PhysRevC.65.064603

Decay studies of N ≈ Z nuclei from ^{75}Sr to ^{102}Sn,
T. Faestermann, R. Schneider, A. Stolz, K. Sümmerer, E. Wefers, J. Friese, H. Geissel, M. Hellström, P. Kienle, H.-J. Körner, M. Mineva, M. Münch, G. Münzenberg, C. Schlegel, K. Schmidt, P. Thirolf, H. Weick, K. Zeitelhack,
Eur. Phys. J. A 15, 185 (2002)
http://dx.doi.org/10.1140/epja/i2001-10251-7

Beta decay studies of nuclei near ^{32}Mg: Investigating the nu(f7/2)-(d3/2) inversion at the N = 20 shell closure,
A. C. Morton, P. F. Mantica, B. A. Brown, A. D. Davies, D. E. Groh, P. T. Hosmer, S. N. Liddick, J. I. Prisciandaro, H. Schatz, M. Steiner, A. Stolz,
Phys. Lett. 544B, 274 (2002)
http://dx.doi.org/10.1016/S0370-2693(02)02544-3

Structure of $^{52, 54}$Ti and shell closures in neutron-rich nuclei above ^{48}Ca,
R. V. F. Janssens, B. Fornal, P.F. Mantica, B.A. Brown, R. Broda, P. Bhattacharyya, M. P. Carpenter, M. Cinausero, P. J. Daly, A. D. Davies, T. Glasmacher, Z. W. Grabowski, D. E. Groh, M. Honma, F. G. Kondev, W. Krolas, T. Lauritsen, S. N. Liddick, S. Lunardi, N. Marginean, T. Mizusaki, D. J. Morrissey, A. C. Morton, W. F. Mueller, T. Otsuka, T. Pawlat, D. Seweryniak, H. Schatz, A. Stolz, S. L. Tabor, C. A. Ur, G. Viesti, I. Wiedenhöver, J. Wrzesinski,
Phys. Lett. 546B, 55 (2002)
http://dx.doi.org/10.1016/S0370-2693(02)02682-5

Beta decay studies of the neutron-rich $^{56-58}$V isotopes,
P. F. Mantica, A. C. Morton, B. A. Brown, A. D. Davies, T. Glasmacher, D. E. Groh, S. N. Liddick, D. J. Morrissey, W. F. Mueller, H. Schatz, A. Stolz, S. L. Tabor, M. Honma, M. Horoi, T. Otsuka,

Phys. Rev. C 67, 014311 (2003)
http://dx.doi.org/10.1103/PhysRevC.67.014311

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, 061303 (2003)
http://dx.doi.org/10.1103/PhysRevC.67.061303

Spectroscopic factors measured in inclusive proton-knockout reactions on ^{8}B and ^{9}C 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, 064301 (2003)
http://dx.doi.org/10.1103/PhysRevC.67.064301

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, 034607 (2003)
http://dx.doi.org/10.1103/PhysRevC.68.034607

Spin Polarization of ^{37}K Produced in a Single-Proton Pickup Reaction at Intermediate Energies,
D. E. Groh, P. F. Mantica, A. E. Stuchbery, A. Stolz, T. J. Mertzimekis, W. F. Rogers, A. D. Davies, S. N. Liddick, B. E. Tomlin,
Phys. Rev. Lett. 90, 202502 (2003)
http://dx.doi.org/10.1103/PhysRevLett.90.202502

Beta-decay properties of ^{55,56}Ti,
P. F. Mantica, B. A. Brown, A. D. Davies, T. Glasmacher, D. E. Groh, M. Horoi, S. N. Liddick, D. J. Morrissey, A. C. Morton, W. F. Mueller, H. Schatz, A. Stolz, S. L. Tabor,
Phys. Rev. C 68, 044311 (2003)
http://dx.doi.org/10.1103/PhysRevC.68.044311

Single proton knock-out reactions from ^{24,25,26}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, 044318 (2003)
http://dx.doi.org/10.1103/PhysRevC.68.044318

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, 054309 (2003)
http://dx.doi.org/10.1103/PhysRevC.68.054309

Nuclear and Coulomb breakup of ^{8}B,
D. Cortina-Gil, J. Fernandez-Vazquez, F. Attallah, T. Baumann, J. Benlliure, M. J. G. Borge, L. Chulkov, C. Forssen, 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. Sümmerer, I. Szarka, S. Wan, H. Weick, M. V. Zhukov,
Nucl. Phys. A720, 3 (2003)
http://dx.doi.org/10.1016/S0375-9474(03)00671-7

High-energy breakup of ^{8}B,
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. Forssen, 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. Sümmerer, I. Szarka, S. Wan, H. Weick, M. Zhukov,
Nucl. Phys. A718, 431c (2003)
http://dx.doi.org/10.1016/S0375-9474(03)00822-4

Investigation of neutron-rich oxygen and fluorine isotopes,
M. Thoennessen, T. Baumann, J. Enders, N. H. Frank, P. Heckman, J. P. Seitz, A. Stolz, E. Tryggestad,
Nucl. Phys. A722, 61c (2003)
http://dx.doi.org/10.1016/S0375-9474(03)01336-8

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. Forssen, 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. Sümmerer, I. Szarka, H. Weick,
Phys. Rev. Lett. 93, 062501 (2004)
http://dx.doi.org/10.1103/PhysRevLett.93.062501

Lowest Excitations in 56Ti and the Predicted N=34 Shell Closure,
S. N. Liddick, P. F. Mantica, R. V. F. Janssens, R. Broda, B. A. Brown, M. P. Carpenter, B. Fornal, M. Honma, T. Mizusaki, A. C. Morton, W.F. Mueller, T. Otsuka, J. Pavan, A. Stolz, S. L. Tabor, B. E. Tomlin, M. Wiedeking,
Phys. Rev. Lett. 92, 072502 (2004)
http://dx.doi.org/10.1103/PhysRevLett.92.072502

Probing the sustainability of the N=82 and Z=50 shell closures for neutron-rich nuclides: Decay of ^{120}Rh75 to levels of ^{120}Pd74,
W. B. Walters, B. E. Tomlin, P. F. Mantica, B. A. Brown, J. Rikovska Stone, A. D. Davies, A. Estrade, P. T. Hosmer, N. Hoteling, S. N. Liddick, T. J. Mertzimekis, F. Montes, A. C. Morton, W. F. Mueller, M. Ouellette, E. Pellegrini, P. Santi, D. Seweryniak, H. Schatz, J. Shergur, A. Stolz,
Phys. Rev. C 70, 034314 (2004)
http://dx.doi.org/10.1103/PhysRevC.70.034314

Development of shell closures at N=32,34. I. Beta decay of neutron-rich Sc isotopes,
S. N. Liddick, P. F. Mantica, R. Broda, B. A. Brown, M. P. Carpenter, A. D. Davies, B. Fornal, T. Glasmacher, D. E. Groh, M. Honma, M. Horoi, R. V. F. Janssens, T. Mizusaki, D. J. Morrissey, A. C. Morton, W. F. Mueller, T. Otsuka, J. Pavan, H. Schatz, A. Stolz, S. L. Tabor, B. E. Tomlin, M. Wiedeking,
Phys. Rev. C 70, 064303 (2004)
http://dx.doi.org/10.1103/PhysRevC.70.064303

Performance of the High-Energy Single-Event Effects Test Facility (SEETF) at Michigan State University's National Superconducting Cyclotron Laboratory (NSCL),
Ladbury, R., Reed, R.A., Marshall, P., LaBel, K.A., Anantaraman, R., Fox, R., Sanderson, D.P., Stolz, A., Yurkon, J., Zeller, A.F., Stetson, J.W.,
IEEE Transactions on Nuclear Science, 51 (6 II), pp. 3664-3668 (2004)
http://dx.doi.org/10.1109/TNS.2004.839300

Structure of neutron-rich oxygen isotopes,
D. Cortina-Gil, J. Fernandez-Vazquez, T. Aumann, T. Baumann, J. Benlliure, M. J. G. Borge, L. V. Chulkov, U. Datta Pramanik, C. Forssen, 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, K. Riisager, H. Scheit, R. Schneider, G. Schrieder, H. Simon, B. Sitar, A. Stolz, P. Strmen, K. Sümmerer, I. Szarka, H. Weick,
J. Phys. (London) G31, S1629 (2005)
http://dx.doi.org/10.1088/0954-3899/31/10/045

Half-Life of the Doubly Magic r-Process Nucleus ^{78}Ni,
P. T. Hosmer, H. Schatz, A. Aprahamian, O. Arndt, R. R. C. Clement, A. Estrade, K. -L. Kratz, S. N. Liddick, P. F. Mantica, W. F. Mueller, F. Montes, A. C. Morton, M. Ouellette, E. Pellegrini, B. Pfeiffer, P. Reeder, P. Santi, M. Steiner, A. Stolz, B. E. Tomlin, W. B. Walters, A. Wöhr,
Phys. Rev. Lett. 94, 112501 (2005)
http://dx.doi.org/10.1103/PhysRevLett.94.112501

Beta-decay of odd-A ^{57}Ti and ^{59}V,
S. N. Liddick, P. F. Mantica, R. Broda, B. A. Brown, M. P. Carpenter, A. D. Davies, B. Fornal, M. Horoi, R. V. F. Janssens, A. C. Morton, W. F. Mueller, J. Pavan, H. Schatz, A. Stolz, S. L. Tabor, B. E. Tomlin, M. Wiedeking,
Phys. Rev. C 72, 054321 (2005)
http://dx.doi.org/10.1103/PhysRevC.72.054321

Low energy structure of even-even Ni isotopes close to ^{78}Ni,
C. Mazzocchi, R. Grzywacz, J. C. Batchelder, C. R. Bingham, D. Fong, J. H. Hamilton, J. K. Hwang, M. Karny, W. Królas, S. N. Liddick, A. F. Lisetskiy, A. C. Morton, P. F. Mantica, W. F. Mueller, K. P. Rykaczewski, M. Steiner, A. Stolz, J. A. Winger,
Phys. Lett. B 622, 45 (2005)
http://dx.doi.org/10.1016/j.physletb.2005.07.006

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, M. Thoennessen,
Phys. Lett. B 627, 32 (2005)
http://dx.doi.org/10.1016/j.physletb.2005.08.130

^{29}Na: Defining the Edge of the Island of Inversion for Z = 11,
V. Tripathi, S. L. Tabor, P. F. Mantica, C. R. Hoffman, M. Wiedeking, A. D. Davies, S. N. Liddick, W. F. Mueller, T. Otsuka, A. Stolz, B. E. Tomlin, Y. Utsuno, A. Volya,
Phys. Rev. Lett. 94, 162501 (2005)
http://dx.doi.org/10.1103/PhysRevLett.94.162501

Spectroscopy of ^{25}Ne and the N = 16 magic number,
S. W. Padgett, V. Tripathi, S. L. Tabor, P. F. Mantica, C. R. Hoffman, M. Wiedeking, A. D. Davies, S. N. Liddick, W. F. Mueller, A. Stolz, B. E. Tomlin,
Phys. Rev. C 72, 064330 (2005)
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Application of the Time of Flight Technique for Lifetime Measurements with Relativistic Beams of Heavy Nuclei,
A. Chester, P. Adrich, A. Becerril, D. Bazin, C. M. Campbell, J. M. Cook, D.-C.Dinca, W. F. Mueller, D. Miller, V. Moeller, R. P. Norris, M. Portillo, K. Starosta, A. Stolz, J. R. Terry, H. Zwahlen, C. Vaman, A. Dewald,
Nucl. Instr. Meth. A 562 (2006) 230
http://dx.doi.org/10.1016/j.nima.2006.02.182

Systematics of isomeric configurations in N=77 odd-Z isotones near the proton drip line,
M. N. Tantawy, C. R. Bingham, K. P. Rykaczewski, J. C. Batchelder, W. Królas, M. Danchev, D. Fong, T. N. Ginter, C. J. Gross, R. Grzywacz, K. Hagino, J. H. Hamilton, D. J. Hartley, M. Karny, K. Li, C. Mazzocchi, A. Piechaczek, A. V. Ramayya, K. Rykaczewski, D. Shapira, A. Stolz, J. A. Winger, C.-H. Yu, E. F. Zganjar,
Phys. Rev. C 73, 024316 (2006)
http://dx.doi.org/10.1103/PhysRevC.73.024316

Heteroepitaxial diamond detectors for heavy ion beam tracking,
A. Stolz, M. Behravan, M. Regmi and B. Golding,
Diamond and Related Materials 15, 807 (2006)
http://dx.doi.org/10.1016/j.diamond.2005.12.019

Development of a secondary triton beam from primary ^{16,18}O beams for (t, ^{3}He) experiments at intermediate energies,
G. W. Hitt, S. M. Austin, D. Bazin, A. L. Cole, J. Dietrich, A. Gade, M. E. Howard, S. D. Reitzner, B. M. Sherrill, C. Simenel, E. E. Smith, J. Stetson, A. Stolz, R. G. T. Zegers,
Nucl. Instr. Meth. A 566 (2006) 264
http://dx.doi.org/10.1016/j.nima.2006.07.045

Beta-decay half-lives and beta-delayed neutron emission probabilities for neutron rich nuclei close to the N = 82 r-process path,
F. Montes, A. Estrade, P. T. Hosmer, S. N. Liddick, P. F. Mantica, A. C. Morton, W. F. Mueller, M. Ouellette, E. Pellegrini, P. Santi, H. Schatz, A. Stolz, B. E. Tomlin, O. Arndt, K.-L. Kratz, B. Pfeiffer, P. Reeder, W. B. Walters, A. Aprahamian, A. Wohr,
Phys. Rev. C 73, 035801 (2006)
http://dx.doi.org/10.1103/PhysRevC.73.035801

Half-life and spin of ^{60}Mn^{g},
S. N. Liddick, P. F. Mantica, B. A. Brown, M. P. Carpenter, A. D. Davies, M. Horoi, R.V.F. Janssens, A. C. Morton, W. F. Mueller, J. Pavan, H. Schatz, A. Stolz, S. L. Tabor, B. E. Tomlin, M. Wiedeking,
Phys. Rev. C 73, 044322 (2006)
http://dx.doi.org/10.1103/PhysRevC.73.044322

Projectile fragmentation of ^{40}Ca, ^{48}Ca, ^{58}Ni, and ^{64}Ni at 140 MeV/nucleon,
M. Mocko, M. B. Tsang, L. Andronenko, M. Andronenko, F. Delaunay, M. Famiano, T. Ginter, V. Henzl, D. Henzlova, H. Hua, S. Lukyanov, W. G. Lynch, A. M. Rogers, M. Steiner, A. Stolz, O. Tarasov, M.-J. van Goethem, G. Verde, W. S. Wallace, A. Zalessov,
Phys. Rev. C 74, 054612 (2006)
http://dx.doi.org/10.1103/PhysRevC.74.054612

beta-delayed gamma spectroscopy of neutron rich ^{27,28,29}Na,
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Invited Talks

Radioactive Ion Beams in the Region of ^{100}Sn and ^{78}Ni at the NSCL,
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Production of Rare Isotope Beams with the NSCL Fragment Separator
CAARI 2004:18th International Conference on the Application of Accelerators in Research and Industry, October 10-15, 2004, Ft. Worth, Texas

First Observation of ^{60}Ge and ^{64}Se
DNP04: Fall Meeting of the Nuclear Physics Division of the APS, October 27-30, 2004, Chicago, Illinois

Exploring the driplines: First Observation of ^{60}Ge and ^{64}Se
DPG 2005: 69. Annual Meeting of the German Physical Society, March 4-9, 2005, Berlin, Germany

Discovery of new neutron-rich magnesium, aluminum, and silicon isotopes at the NSCL
Fourth International Conference on Fission an Properties of Neutron-Rich Nuclei, November 11-17, 2007, Sanibel Island, Florida

New Developments and Capabilities at the Coupled Cyclotron Facility at Michigan State University
20th International Conference on Cyclotrons and their Applications, September 16-20, 2013, Vancouver, Canada

Seminars and Colloquia

Decay Spectroscopy of ^{100}Sn
August 8, 1998, Nuclear Physics Seminar, Argonne National Laboratory, Argonne, Illinois.

Gamow-Teller Decay of ^{100}Sn, ^{102}Sn and ^{98}Cd
June 21, 2000, Nuclear Physics Seminar, Physik-Department E12, Technische Universität München, Garching, Germany

Decay studies of N=Z nuclei from ^{78}Y to ^{102}Sn
October 16, 2000, Nuclear Physics Seminar, National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, Michigan

Investigation of the Gamow-Teller decay of ^{100}Sn und ^{102}Sn
January 18, 2001, Nuclear Physics Seminar, Mayer-Leibnitz Laboratory, Technische Universität and Universität München, Garching, Germany

Investigation of the Gamov-Teller strength near the doubly-magic nucleus ^{100}Sn
February 6, 2001, Nuclear Physics Seminar KP2, GSI, Darmstadt, Germany

First Observation of ^{60}Ge and ^{64}Se
January 12th, 2005, Nuclear Physics Seminar, National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, Michigan

Development of diamond detectors for heavy ion beam tracking
April 22nd, 2010, CNS seminar, Center for Nuclear Study, University of Tokyo, Japan

Diamond detectors for relativistic heavy ions
March 18th, 2014, Cyclotron Colloquium, Cyclotron Institute, Texas A&M University, College Station, Texas

Other publications

Development of a two-dimensional position sensitive micro strip gas counter (language: German; original title: Entwicklung eines zweidimensional ortsempfindlichen Mikrostreifen-Gaszählers),
Diploma thesis, Technische Universität München, 1995

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