

Curriculum Vitae

Michael Fauerbach

Florida Gulf Coast University
College of Arts and Sciences
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Education:

Ph.D. in experimental nuclear astrophysics, National Superconducting Cyclotron Laboratory and Michigan State University, East Lansing, Michigan, March 1997.

Thesis: **Study of Light Neutron Rich Nuclei**

Advisors: Professor Walter Benenson, and Professor David J. Morrissey

Diplom-Physiker (*equivalent to Master of Science*) in experimental nuclear physics, Technical University Darmstadt, September 1992.

Thesis: **Untersuchungen zur Projektilfragmentation relativistischer Schwerionen anhand eines Kaskadenmodelles**

(*Study of projectile fragmentation of relativistic heavy ions with a cascade model*)

Advisor: Professor Hans-Georg Clerc

Professional Appointments:

2005 – Present	Associate Professor, Physics & Astronomy, Florida Gulf Coast University
2005 – Present	Program Leader, Physics & Astronomy -General Education, Florida Gulf Coast University
2005 – 2006	Chair, Department of Physical Sciences and Mathematics
2000 – Present	Lead Scientist, Evelyn L. Egan Observatory (MPC Code H72).
2000 – 2005	Assistant Professor, Physics & Astronomy, Florida Gulf Coast University
1999 – 2000	Physics Faculty, Mississippi School for Mathematics and Science
Summer 1998	Physics Instructor, Florida State University
1997 – 1999	Research Associate, Superconducting Linear Accelerator Facility, Florida State University

Leadership Experience:

Program Leader for General Education Physics & Astronomy

Florida Gulf Coast University, August 2005 – present

- Duties include scheduling and staffing of all physics and astronomy courses.
- Communicating with the Deans in the College of Health Professions and College of Business, to avoid course overlaps and to offer a sufficient amount of seats in the service courses we offer.
- Screening and hiring of adjuncts, as well as monitoring their performance.

College Governance Team,

Florida Gulf Coast University

Chair, August 2007 – present

Department Representative, August 2006 – present

- The College Governance Team (CGT) is the main faculty governance committee in the College, responsible for considering College-wide matters of faculty concern, and serving as a faculty voice independent of and advisory to the College Leadership Team (Deans and Chairs).
- The main purpose of the CGT is to improve the communication between administration and faculty.
- The CGT interfaces with university-level faculty teams.
- CGT Chair servers on the College Leadership Team

Chair, Department of Physical Sciences and Mathematics,

Florida Gulf Coast University, August 2005 – August 2006

- Duties as described in College of Arts and Sciences documents (see Appendix A)
- Department had 19 full time faculty members, 4 staff members and 17 adjunct faculty members.
- Hiring official for eight additional full time faculty members during the academic year.
- Department budget: \$1.1 Million.

Leadership Training:

Management Training Workshop, (5 hours) FGCU, October 2005

Chairing the Academic Department, American Council on Education, San Diego, February 15-18, 2006

Immigration Issues Workshop, (3 hours) FGCU, April 2006

Management Training Workshop, Contracts and Teaching Assignments (5 hours) FGCU, June 2006

Honors and Awards:

Junior Faculty Teaching Excellence Award, FGCU (2005)
Framer for new Sunshine State Science Standards (2007)
Selected as Reader for the Advanced Placement Physics examination (2004, 2006, 2008 could not attend due to prior commitments)
Advisory Board Member of the Florida Space Grant Consortium (since 2001)
Solar System Ambassador (since 2001)

Professional Associations:

- American Physical Society, Division of Nuclear Physics, also a member of the Forum on Education and the Forum on Physics and Society
- American Association of Physics Teachers
- Deutsche Physikalische Gesellschaft

Grants:

- “NASA Undergraduate Summer Research Opportunity,” \$1,500 to support Scott Marks, May 2006
- “Bringing Space into Math and Science Classrooms,” funded for 8,839\$ by the Florida Space Research and Education Grant Program, August 2005
- “NASA Undergraduate Summer Research Opportunity,” \$1,500 to support Thomas Bennett, May 2005
- “NASA Undergraduate Summer Research Opportunity,” \$1,500 to support Thomas Bennett, May 2004
- “The ACUMEN project,” funded for 14,305\$ by the Florida Space Research and Education Grant Program, May 2002
- “LISAA –Low Inclination Search for Approaching Asteroids,” funded for 4,915\$ by Florida Gulf Coast University, Internal Grant Program, April 2002
- “Undergraduate Student Education in Real-Time Satellite Tracking for Ground Control Station,” funded for 19,305\$ by the Florida Space Research and Education Grant Program, May 2002, Co-I together with Dr. Zalewski

References:

Dr. Donna Price Henry,
Professor and Dean, College of Arts and Sciences
Florida Gulf Coast University,
Fort Myers, FL 33965
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Dr. Terry Dubetz,
Associate Professor and Chemistry Program Leader
Florida Gulf Coast University,
Fort Myers, FL 33965
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Dr. Aswani Volety,
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Dr. Jo Ann Wilson,
Professor of Biological Sciences
Florida Gulf Coast University,
Fort Myers, FL 33965
Phone: (239) 590-7481
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Presentations:

Invited Talks :

- “Near Earth Asteroids,” Florida State University, April 2004
- “Why should we study exotic nuclei?,” Florida Gulf Coast University, May 2000
- “Microscopic model calculations of fragmentation reactions,” Argonne National Lab, September 1994
- “Production of exotic nuclei: the intranuclear cascade model and the ISApac code,” INFN LNS Catania, Italy, November 1993

Others :

- Multitude of presentations dealing with a broad range of topics from space exploration to quantum physics for FGCU’s Renaissance Academy. A detailed list can be provided upon request.
- “Risks and Opportunities from Space,” Naples Men discussion Group, January 2008
 - “Astrobiology: In Search of Life in the Universe,” 2nd annual Interdisciplinary Research Conference at FGCU, April 2007
 - “Collaborating Across Colleges to Develop K-12 Programs,” 2005 Annual Convention, School Science and Mathematics Association, together with Diane L. Schmidt, November 2005
 - “ACUMEN: Astronomy Classes Unleashed –Meaningful Experiences for Neophytes,” 128th National Meeting of the American Association of Physics Teachers, January 2004
 - “The NASA/JPL Solar System Ambassador Program,” South-Eastern Section of the American Physical Society, November 2001
 - “Genesis –Search for the Origins”, South-West Florida Astronomical Society, September 2001
 - “Near Earth Asteroids –A Rendezvous with EROS”, South-West Florida Astronomical Society, March 2001
 - “Nuclear Astrophysics –How it effects your everyday life”, South-West Florida Astronomical Society, November 2000
 - “Two sides of a coin: γ -ray spectroscopy at FSU and MSU/NSCL,” Nuclear Seminar, Florida State University, September 1998
 - “Some recent results on ^{143}Nd and ^{38}Ca ,” FRS Seminar, GSI Darmstadt, August 1998
 - “How do we produce exotic nuclei? A simple microscopic approach,” Nuclear Seminar, Florida State University, February 1998
 - “Study of light neutron rich nuclei,” Nuclear Seminar, Florida State University, April 1997
 - “Coulomb excitation of the one neutron halo nucleus ^{11}Be ,” Fall Meeting of the American Physical Society, Division of Nuclear Physics, October 1996
 - “A new search for ^{26}O ,” Fall Meeting of the American Physical Society, Division of Nuclear Physics, October 1995
 - “INC calculations of fragmentation reactions,” Spring Meeting of the Deutsche Physikalische Gesellschaft, April 1992

Poster :

- “Shape Modeling of Small solar system Bodies,” 39th annual Meeting of the Division of Planetary Sciences, American Astronomical Society, Orlando, October 2007
- “Understanding Astrobiology through Realistic Laboratory Experiences,” 38th Lunar and Planetary Science Conference, Houston March 2007
- “Multimodal Sky Orientation for ASTRO 101,” 118th Annual Meeting of the Astronomical Society of the Pacific, Engaging the EPO Community, Baltimore, September 2006
- “Realistic Laboratory Experiences in Astrobiology,” 118th Annual Meeting of the Astronomical Society of the Pacific, Engaging the EPO Community, Baltimore, September 2006
- “Introductory Space Science –An Inquiry Based Approach,” 37th Lunar and Planetary Science Conference, Houston March 2006
- “Bringing Space into Math and Science Classrooms,” 117th Annual Meeting of the Astronomical Society of the Pacific, Building Community: The Emerging E/PO Profession, Tucson, September 2005
- “Project LAUNCH –bringing Space into the Math and Science Classrooms,” E/PO Program Demonstration, 36th Lunar and Planetary Science Conference, Houston, March 2005
- “Photometric Lightcurve Measurements of Asteroids,” 36th Lunar and Planetary Science Conference, Houston, March 2005
- “The ACUMEN Project,” Cosmos in the Classroom 2004, Boston, July 2004
- “ACUMEN: Astronomy Classes Unleashed –Meaningful Experiences for Neophytes,” 35th Lunar and Planetary Science Conference, Houston, March 2004
- “Enhancing Undergraduate Astronomy Laboratory Experiences with Inexpensive Consumer-Grade Technologies,” 128th National Meeting of the American Association of Physics Teachers, Miami Beach, January 2004
- “Using Technology to Enhance Student Learning in Undergraduate Science Teaching and Research at Florida Gulf Coast University,” AAC&U Conference on Technology, Learning and Intellectual Development, Boston, October 2003
- “LISAA: Low Inclination Search for Approaching Asteroids,” 2nd Annual Research Day, FGCU, April 2003
- “Increasing Public Outreach in Astronomy through Digital Imaging Technology,” 34th Lunar and Planetary Science Conference, Houston, March 2003
- “Increasing Public Outreach in Astronomy through Digital Imaging Technology,” 1st Annual Research Day, FGCU April 2002
- “Mass dependence of the effective charges in the *sd*-shell,” 2nd International Conference on Exotic Nuclei and Atomic Masses, Shanty Creek, Michigan, June 1998

Publications in Peer-Reviewed Scientific Journals:

First Author :

“Lightcurve analysis of ten main-belt asteroids,” **M. Fauerbach**, S.A. Marks, M.P. Lucas, accepted for publication in *The Minor Planet Bulletin*, Issue 35-2, 2008.

“Lightcurve results for 81 Terpsichore, 242 Kriemhild, 503 Evelyn, 522 Helga, and 578 Hapelia,” **M. Fauerbach**, T. Bennett, S.A. Marks, *The Minor Planet Bulletin*, Issue 34-3, 2007

“Lightcurve Analysis of 1304 Arosa,” **M. Fauerbach**, T. Bennett, R. Behrend, L. Bernasconi, S. Casulli, *The Minor Planet Bulletin*, Issue 33-4, 2006

“Photometric lightcurve observations of 125 Liberatrix, 218 Bianca, 423 Diotima, 702 Alauda, 1963 Bezovec, and (5849) 1990 HF1,” **M. Fauerbach**, T. Bennett, *The Minor Planet Bulletin*, Issue 32-4, 2005

“First photometric lightcurve observations from the Evelyn L. Egan Observatory,” **M. Fauerbach**, T. Bennett, *The Minor Planet Bulletin*, Issue 32-2, 2005

“The ACUMEN Project,” **M. Fauerbach**, S. Schonberg, M.J. Mon, in: *Cosmos in the Classroom 2004*, edited by Andrew Fraknoi and William Waller

“Astrometric observations of Near Earth Asteroids and Comets” published monthly in the Minor Planet Circular, ISSN 0736-6884, starting with the February 2003 issue.

“Weak coupling and single-particle structure at high spin in ^{143}Nd ,” **M. Fauerbach**, L.A. Riley, P.D. Cottle, R.A. Kaye, and K.W. Kemper, *Phys. Rev.* **C58**, 826 (1998)

“Coulomb excitation of the one-neutron halo nucleus ^{11}Be ,” **M. Fauerbach**, M.J. Chromik, T. Glasmacher, P.G. Hansen, R.W. Ibbotson, D.J. Morrissey, H. Scheit, P. Thirolf, and M. Thoennessen, *Phys. Rev.* **C56**, R1 (1997)

“New search for ^{26}O ,” **M. Fauerbach**, D.J. Morrissey, M. Hellström, W. Benenson, R.A. Kryger, J.H. Kelley, R. Pfaff, C.F. Powell, B.M. Sherrill, *Phys. Rev.* **C53**, 647 (1996)

2008

- “A radar survey of X- and M-class asteroids,” Shepard, Clark, Nolan, Howell, Magri, Giorgini, Benner, Ostro, Harris, Warner, Pray, Pravec, **Fauerbach**, Bennett, Klotz, Behrend, Correia, Coloma, Casulli, Rivkin, *accepted for publication in Icarus*.
- “Lightcurve analysis of ten main-belt asteroids,” **M. Fauerbach**, S.A. Marks, M.P. Lucas, *The Minor Planet Bulletin, Issue 35-2*.

2007

- “Lightcurve results for 81 Terpsichore, 242 Kriemhild, 503 Evelyn, 522 Helga, and 578 Hapelia,” **M. Fauerbach**, T. Bennett, S.A. Marks, *The Minor Planet Bulletin, Issue 34-3*
- “Physical models of ten asteroids from observers collaboration network,” J. Durech, M. Kaasalainen, A. Marciniak, W. H. Allen, R. Behrend, C. Bembrick, T. Bennett, L. Bernasconi, J. Berthier, G. Bolt, S. Boroumand, L. Crespo da Silva, R. Crippa, M. Crow, R. Durkee, R. Dymock, M. Fagas, **M. Fauerbach**, S. Fauvaud, M. Frey, R. Gonçalves, R. Hirsch, D. Jardine, K. Kaminski, R. Koff, T. Kwiatkowski, A. López, F. Manzini, T. Michalowski, R. Pacheco, M. Pan, F. Pilcher, R. Poncy, D. Pray, W. Pych, R. Roy, G. Santacana, S. Slivan, S. Sposetti, R. Stephens, B. Warner, and M. Wolf, *Astronomy and Astrophysics, Vol. 465 No. 1*

2006

- “The Lightcurve of Main-Belt Asteroid 774 Armor,” B. D. Warner, D. Higgins, T. Bennett, **M. Fauerbach**, *The Minor Planet Bulletin, Issue33-4*
- “Lightcurve Analysis of 1304 Arosa,” **M. Fauerbach**, T. Bennett, R. Behrend, L. Bernasconi, S. Casulli, *The Minor Planet Bulletin, Issue33-4*

2005

- “Photometric lightcurve observations of 125 Liberatrix, 218 Bianca, 423 Diotima, 702 Alauda, 1963 Bezovec, and (5849) 1990 HF1,” **M. Fauerbach**, T. Bennett, *The Minor Planet Bulletin, Issue32-4*
- Minor Planet Circular M.P.C. , ISSN 0736-6884, October 10, 2005
- “First photometric lightcurve observations from the Evelyn L. Egan Observatory,” **M. Fauerbach**, T. Bennett , *The Minor Planet Bulletin, Issue32-2*
- “The ACUMEN Project,” **M. Fauerbach**, S. Schonberg, M.J. Mon, in: *Cosmos in the Classroom 2004*, edited by Andrew Fraknoi and William Waller
- “Enhancing Undergraduate Laboratory Experiences with Inexpensive Consumer-Grade Technologies,” M.J. Mon, **M. Fauerbach**, S. Schonberg, in: *Cosmos in the Classroom 2004*, edited by Andrew Fraknoi and William Waller

2004

- Minor Planet Circular, M.P.C. , ISSN 0736-6884, January 7, 2004
- Minor Planet Circular, M.P.C. 50555, ISSN 0736-6884, February 6, 2004
- Minor Planet Circular, M.P.C. , ISSN 0736-6884, March 6, 2004
- Minor Planet Circular, M.P.C. , ISSN 0736-6884, April 15, 2004

Minor Planet Circular, M.P.C. 51465, ISSN 0736-6884, May 4, 2004
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 Minor Planet Circular, M.P.C., ISSN 0736-6884, September 28, 2004

2003

Minor Planet Circular, M.P.C. 47439, ISSN 0736-6884, February 16, 2003
 Minor Planet Circular, M.P.C. 47953, ISSN 0736-6884, March 18, 2003
 Minor Planet Circular, M.P.C. ?????, ISSN 0736-6884, April 18, 2003
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 Minor Planet Circular, M.P.C. 49839, ISSN 0736-6884, November 9, 2003
 Minor Planet Circular, M.P.C. ?????, ISSN 0736-6884, December 8, 2003
 "Multistep processes in the $^{12}\text{C}(^6\text{Li},d)$ stripping reaction," N. Keeley, T. L. Drummer, E. E. Bartosz, C. R. Brune, P. D. Cathers, M. Fauerbach, H. J. Karwowski, K. W. Kemper, B. Kozłowska, E. J. Ludwig, F. Marechal, A. J. Mendez, E. G. Myers, D. Robson, K. Rusek, and K. D. Veal, *Phys. Rev. C* **67**, 044604, (2003).

2002

" $0_{g.s.}^+ \rightarrow 2^{1+}$ Excitations in the mirror nuclei ^{32}Ar and ^{32}Si ," P. D. Cottle, Z. Hu, B. V. Pritychenko, J. A. Church, M. Fauerbach, T. Glasmacher, R. W. Ibbotson, K. W. Kemper, L. A. Riley, H. Scheit, and M. Steiner, *Phys. Rev. Lett.* **88**, 172502 (2002)

2001

" $B(E2; 0_{g.s.}^+ \rightarrow 2^{1+})$ in ^{26}Si and mirror symmetry in the $A=26$ system," P.D. Cottle, B.V. Pritychenko, J.A. Church, M. Fauerbach, T. Glasmacher, R.W. Ibbotson, K.W. Kemper, H. Scheit, and M. Steiner, *Phys. Rev.* **C64**, 057304 (2001)

2000

" $B(E2; 0_{g.s.}^+ \rightarrow 2^{1+})$ in ^{18}Ne and isospin purity in $A = 18$ nuclei," L.A. Riley, P.D. Cottle, **M. Fauerbach**, T. Glasmacher, K. W. Kemper, B. V. Pritychenko, and H. Scheit, *Phys. Rev.* **C62**, 034306 (2000)

"Conversion electron- γ coincidences and intrinsic reflection asymmetry in ^{219}Ra ," L.A. Riley, P.D. Cottle, **M. Fauerbach**, V.S. Griffin, B.N. Guy, K. W. Kemper, G.S. Rajbaidya, and O.J. Tekyi-Mensah, *Phys. Rev. C* **62**, 021301(R) (2000)

1999

- "Role of intruder configurations in $^{26,28}\text{Ne}$ and $^{30,32}\text{Mg}$," B. Pritychenko, T. Glasmacher, P. D. Cottle, **M. Fauerbach**, R. W. Ibbotson, K. W. Kemper, V. Maddalena, A. Navin, R. Ronningen, A. Sakharuk, H. Scheit, and V.G. Zelevinsky, *Phys. Lett. B* **461**, 322
- "Measurement of the long-lived radionuclide ^{81}Kr in pre-nuclear and present-day atmospheric Krypton," P. Collon, D. Cole, B. Davids, **M. Fauerbach**, R. Harkewitz, W. Kutschera, D.J. Morrissey, R. Pardo, M. Paul, B.M. Sherrill, M. Steiner, *Radiochim Acta* **85**, 13
- "Proton scattering from the unstable neutron-rich nucleus ^{43}Ar ," F. Maréchal, T. Suomijärvi, Y. Blumenfeld, A. Azhari, D. Bazin, J. A. Brown, P. D. Cottle, M. Fauerbach, T. Glasmacher, S. E. Hirzebruch, J. K. Jewell, J. H. Kelley, K. W. Kemper, P. F. Mantica, D. J. Morrissey, L. A. Riley, J. A. Scarpaci, H. Scheit, and M. Steiner, *Phys. Rev. C* **60**, 064623
- "Proton scattering by short lived sulfur isotopes," F. Maréchal, T. Suomijärvi, Y. Blumenfeld, A. Azhari, E. Bauge, D. Bazin, J. A. Brown, P. D. Cottle, J. P. Delaroche, M. Fauerbach, M. Girod, T. Glasmacher, S. E. Hirzebruch, J. K. Jewell, J. H. Kelley, K. W. Kemper, P. F. Mantica, D. J. Morrissey, L. A. Riley, J. A. Scarpaci, H. Scheit, and M. Steiner, *Phys. Rev. C* **60**, 034615
- "The $0_{g.s.}^+ \rightarrow 2^{1+}$ transition in ^{38}Ca and isospin symmetry in $A = 38$ nuclei," P. D. Cottle, **M. Fauerbach**, T. Glasmacher, R. W. Ibbotson, K. W. Kemper, B. Pritychenko, H. Scheit, and M. Steiner, *Phys. Rev. C* **60**, 031301(R)
- "The role of spin effects in $^{12}\text{C}(^6\text{Li},d)^{16}\text{O}_{g.s.}$," T.L. Drummer, E.E. Bartosz, P.D. Cathers, **M. Fauerbach**, K.W. Kemper, E.G. Myers, and K. Rusek, *Phys. Rev. C* **59**, 2574

1998

- "Weak coupling and single-particle structure at high spin in ^{143}Nd ," **M. Fauerbach**, L.A. Riley, P.D. Cottle, R.A. Kaye, and K.W. Kemper, *Phys. Rev. C* **58**, 826
- "Probing the halo structure of $^{19,17,15}\text{C}$ and ^{14}B ," D. Bazin, W. Benenson, B.A. Brown, J.A. Brown, B. Davids, M. Fauerbach, P.G. Hansen, P.F. Mantica, D.J. Morrissey, C.F. Powell, B.M. Sherrill, and M. Steiner, *Phys. Rev. C* **57**, 2156
- "Quadrupole collectivity in $^{32,34,36,38}\text{Si}$ and the $N=20$ shell closure," R.W. Ibbotson, T. Glasmacher, B.A. Brown, L. Chen, M. Chromik, P.D. Cottle, **M. Fauerbach**, P.F. Mantica, D.J. Morrissey, H. Scheit, M. Thoennessen, *Phys. Rev. Lett.* **80**, 2081

1997

- "Proton scattering on the unstable ^{38}S nucleus : Isovector contribution to the 2^+ state," J.H. Kelley, T. Suomijärvi, S.E. Hirzebruch, A. Azhari, D. Bazin, Y. Blumenfeld, J.A. Brown, P.D. Cottle, S. Danczyk, **M. Fauerbach**, T. Glasmacher, J.K. Jewell, K.W. Kemper, F. Marechal, D.J. Morrissey, S. Ottini, J.A. Scarpaci, and P. Thierolf, *Phys. Rev. C* **56**, R1206
- "Coulomb excitation of the one-neutron halo nucleus ^{11}Be ," **M. Fauerbach**, M.J. Chromik, T. Glasmacher, P.G. Hansen, R.W. Ibbotson, D.J. Morrissey, H. Scheit, P. Thierolf, and M. Thoennessen, *Phys. Rev. C* **56**, R1

- "Sign dependence of spin polarization for secondary fragments produced following intermediate-energy projectile fragmentation," P.F. Mantica, R.W. Ibbotson, D. Anthony, **M. Fauerbach**, D.J. Morrissey, C.F. Powell, J. Rikovska, M. Steiner, N.J. Stone, W.B. Walters, *Phys. Rev.* **C55**, 2501
- "Excitation and decay of the first excited state of ^{17}Ne ," M.J. Chromik, B.A. Brown, **M. Fauerbach**, T. Glasmacher, R. Ibbotson, H. Scheit, M. Thoennessen, and P.G. Thirolf, *Phys. Rev.* **C55**, 1676
- "Elastic and inelastic scattering of protons on ^{38}S in inverse kinematics," T. Suomijarvi, J.H. Kelley, S.E. Hirzebruch, A. Azhari, D. Bazin, Y. Blumenfeld, J.A. Brown, P.D. Cottle, S. Danczyk, **M. Fauerbach**, T. Glasmacher, J.K. Jewell, K.W. Kemper, F. Marechal, D.J. Morrissey, S. Ottini, J.A. Scarpaci, P. Thirolf, *Nucl. Phys.* **A616**, 295c
- "Collectivity in ^{44}S ," T. Glasmacher, B.A. Brown, M.J. Chromik, P.D. Cottle, **M. Fauerbach**, R.W. Ibbotson, K.W. Kemper, D.J. Morrissey, H. Scheit, D.W. Sklenicka, M. Steiner, *Phys. Lett.* **B395**, 163
- "Measurement of ^{81}Kr in the atmosphere," P. Collon, T. Antaya, B. Davids, **M. Fauerbach**, R. Harkewitz, M. Hellström, W. Kutschera, D.J. Morrissey, R. Pardo, M. Paul, B.M. Sherrill, M. Steiner, *Nucl. Instr. and Methods* **B123**, 122

1996

- "Study of the breakup reaction $^8\text{B} @ ^7\text{Be} + p$: Absorption effects and E2 strength," J.H. Kelley, Sam M. Austin, D. Bazin, J.A. Brown, H. Esbensen, **M. Fauerbach**, M. Hellström, S.E. Hirzebruch, R.A. Kryger, D.J. Morrissey, R. Pfaff, C.F. Powell, E. Ramakrishnan, B.M. Sherrill, M. Steiner, T. Suomijarvi, M. Thoennessen, *Phys. Rev. Letters* Vol. 77, 5020
- "Measurement of the $^1\text{H}(^6\text{He}, ^6\text{Li})n$ reaction in inverse kinematics," J.A. Brown, D. Bazin, W. Benenson, J. Caggiano, **M. Fauerbach**, M. Hellström, J.H. Kelley, R.A. Kryger, R. Pfaff, B.M. Sherrill, M. Steiner, D.J. Morrissey, C.F. Powell, *Phys. Rev.* **C54**, R2105
- "Fragmentation of ^{78}Kr projectiles," R. Pfaff, D.J. Morrissey, W. Benenson, **M. Fauerbach**, M. Hellström, C.F. Powell, B.M. Sherrill, M. Steiner, and J.A. Winger, *Phys. Rev.* **C53**, 1753
- "New search for ^{26}O ," **M. Fauerbach**, D.J. Morrissey, M. Hellström, W. Benenson, R.A. Kryger, J.H. Kelley, R. Pfaff, C.F. Powell, B.M. Sherrill, *Phys. Rev.* **C53**, 647
- "First study of heavy-ion Mirror charge exchange," M. Steiner, Sam M. Austin, D. Bazin, W. Benenson, C.A. Bertulani, J.A. Brown, **M. Fauerbach**, M. Hellström, E. Kashy, J.H. Kelley, R.A. Kryger, T. Kubo, N.A. Orr, R. Pfaff, B.M. Sherrill, M. Thoennessen, S.J. Yennello, B.M. Young, P.D. Zecher, *Phys. Rev. Lett.* **76**, 16

1995

- "Charge-pickup processes in relativistic heavy ion reactions," K. Sümmerer, J. Reinhold, **M. Fauerbach**, J. Friese, H. Geissel, H.-J. Körner, G. Münzenberg, R. Schneider, K. Zeitelhack, *Phys. Rev.* **C52**, 1106
- "One- and two-neutron removal from the radioactive secondary projectiles ^{56}Ni and ^{52}Fe ," M. Pfützner, S. Andriamonje, B. Blank, R. Del Moral, J.P. Dufour, A. Fleury, T. Josso, M.S. Pravikoff, T. Brohm, A. Grewe, E. Hanelt, A. Heinz, A. Junghans, C. Röhl, S. Steinhäuser, B. Voss, K.-H. Schmidt, S. Czajkowski, Z. Janas, A. Piechaczek, E. Roeckl, K. Sümmerer, **M. Fauerbach**, *Nucl. Phys.* **A587**, 229
- "Total charge-changing cross sections of stable and neutron-deficient secondary projectiles around $A = 60$," T. Brohm, H.-G. Clerc, M. Dornik, **M. Fauerbach**, J.-J. Gaimard, A. Grewe, E. Hanelt, B. Voss, C. Ziegler, B. Blank, R. Del Moral, J.-P. Dufour, L. Faux, C. Marchand, M.S. Pravikoff, K.

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