

Curriculum Vitae: Steffen A. Bass

Name: Steffen Ashraf Bass
Address: Department of Physics
Duke University
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Date of birth: May 17, 1968 in Frankfurt am Main, Germany
Nationality: United States (naturalized) and German

Education:

- M.S. (Diplom): Physics, 1993
J.W. Goethe Universität Frankfurt (Germany), *mit Auszeichnung*
- Ph.D. (Dr. phil. nat.): Theoretical Physics, 1997
Eigenschaften heisser, dichter Kernmaterie in mikroskopischen Transportmodellen
J.W. Goethe Universität Frankfurt (Germany), *summa cum laude*

Professional Experience:

- 2012 - present Professor (with tenure), Duke University
- 2008 - 2011 Associate Professor (with tenure), Duke University
- 2000 - 2007 Assistant Professor (tenure track), Duke University
- 2000 - 2005 RIKEN BNL Research Center Fellow
- 1999 - 2000 Visiting Assistant Professor, Michigan State University
- 1998 - 99 Feodor Lynen Fellow and Research Associate at Duke University

Graduate and postdoctoral advisors:

W. Greiner	J.W. Goethe Universität Frankfurt, Germany	graduate advisor
H. Stöcker	J.W. Goethe Universität Frankfurt, Germany	graduate advisor
B. Müller	Duke University	postdoctoral advisor
W. Bauer	Michigan State University	postdoctoral advisor

Publications and Presentations:

- Over 130 published refereed articles and 190 oral presentations (see *list of publications and presentations* for details)
- Publications have (according to SPIRES) over 7,000 citations
(average per paper: 49, h-index: 41, TOPCITE500+: 2, TOPCITE250+: 3, TOPCITE100+: 11, TOPCITE50+: 19)

Graduate and Postdoctoral Advisees:

- J. Scott Moreland (Ph.D. expected 2016)
- Jonah Bernhard (Ph.D. expected 2015)
- Shanshan Cao (Ph.D. expected 2014)
- Hannah Petersen (postdoc 2010-2012): Associate Professor, Goethe University, Frankfurt
- Guang-You Qin (postdoc 2010-2012): Assistant Professor, Wuhan University
- Nasser Demir (Ph.D. 2010): Assistant Professor, Kuwait University
- Thorsten Renk (postdoc 2004-2006): Academy Researcher, Jyvaskyla University
- Chiho Nonaka (postdoc 2002-2005): Associate Professor, Nagoya University

Awards:

- 2003: Outstanding Junior Investigator Award, US Dept. of Energy
- 1997: Feodor-Lynen Fellow, A.v.Humboldt Foundation, Germany
- 1993: W.E.-Heraeus-Award, W.E.-Heraeus Foundation, Germany

Professional Membership:

- Deutsche Physikalische Gesellschaft (DPG)
- American Physical Society (APS)
- American Association for the Advancement of Science (AAAS)

Professional services:

- Chair, 2012 Hot & Dense QCD White Paper Writing Committee (WP solicited by the NSAC subcommittee on NP funding)
- Member, APS/DNP Program Committee 2010–2011
- Member, Editorial Board of Journal of Physics G: *Nuclear and Particle Physics* (IOP) 12/2008 – 12/2013
- Chair, NSF Nuclear Theory Proposal Review Panel 2008
- Member, NSF Nuclear Theory Proposal Review Panel 2007
- Referee for *Physical Review C, D, and Letters, Physics Letters B, Nuclear Physics A* and *Journal of Physics G*
- Evaluator for proposals by the US Dept. of Energy and the National Science Foundation

Conferences organized:

- Member, local organizing committee:
23rd International Conference on Ultrarelativistic Nucleus-Nucleus Collisions (Quark Matter 2012)
August 13 - August 18, 2012, Washington, DC
- Organizer:
From Strong Fields to Colorful Matter – an International Symposium on Modern Nuclear Physics
October 24th - October 27th, 2010, Asheville, NC
- Co-organizer:
Workshop on Nearly Perfect Fluids: from the Quark-Gluon Plasma to Ultra-Cold Atoms
April 6 - April 9, 2009, Durham, NC
- Member, local organizing committee:
21st International Conference on Ultrarelativistic Nucleus-Nucleus Collisions (Quark Matter 2009)
March 30 - April 4, 2009, Knoxville, TN
- Co-convenor (Hot & Dense QCD working group):
Workshop on Forefront Questions in Nuclear Science and the Role of High Performance Computing, January 26-28, 2009, Washington DC
- Co-organizer:
Hot Quarks 2008
August 18-23, 2008, Estes Park, CO
- Co-convenor:
Heavy-Ion Physics sessions at the 9th Conference on the Intersections of Particle and Nuclear Physics (CIPANP 2006), May 30 - June 3, 2006, Rio Mar, Puerto Rico
- Co-organizer:
Hot Quarks 2006
May 15-20, 2006, Villasimius, Sardinia, Italy
- Co-organizer:
RIKEN-BNL workshop on Strongly Coupled Plasmas: Electromagnetic, Nuclear and Atomic
December 16-17, Brookhaven National Laboratory, Upton, NY
- Session organizer:
Invited Nuclear Physics Session at the South-Eastern Section of the APS (SESAPS) fall meeting 2004, November 11-13, Oak Ridge, TN
- Co-convenor:
Heavy-Ion Physics session at DPF 2004, the fall meeting of the Division of Particle Physics of the American Physical Society, August 27-31, 2004, Riverside, CA
- Co-organizer:
Hot Quarks 2004
July 18-24, 2004, Taos Valley, NM

- Co-organizer:
Mini-workshop on Quark Recombination
Institute for Nuclear Theory, University of Washington, Seattle, WA
- Member of the organizing committee:
RIKEN-BNL workshop on Collective Flow and QGP Properties
November 17-19, Brookhaven National Laboratory, Upton, NY
- Member of the organizing committee:
7th International Conference on Strange Quarks in Matter
March 12-17, 2003, Atlantic Beach, NC

Teaching experience:

Duke University:

- PHY142L *General Physics II* (lecture & course coordination), Fall 2012-13
- PHY260 *Computational Physics*, Spring 2011-12 and 2014
- PHY054L *General Physics II* (lecture & course coordination), Fall 2011
- PHY054R *General Physics II* (recitation sections), Spring 2010-11
- PHY062R *General Physics II for Engineers* (recitation sections), Fall 2009
- PHY053R *General Physics I* (recitation sections), Fall 2006-08
- PHY203: *Statistical Mechanics*, Spring 2004-06
- PHY181: *Intermediate Mechanics*, Spring 2001-03 and 2007-09

Michigan State University:

- MST: *Math Science Technology: Physics summer course*, August 2000

Administrative services:

- Member, Information Technology Advisory Council (2013–2016)
- Member, Executive Committee of the Arts & Science Council (2012–2015)
- Member, Arts & Science Curriculum Committee (2011–2012)
- Member, Arts & Science Council (2011–2014)
- Member, University Priorities Committee (2011–2013)
- Member, Undergraduate Education Committee of the Board of Trustees (2010–2011)
- Member, Executive Committee of the Academic Council (2010–2011)
- Member, Faculty Hearing Committee (2010–2015)
- Member, Academic Council (2009–2011)
- Member/Chair, Physics Department Website Committee
(member 2007 – 2008, chair 2008 – 2011)

- Member/Chair, DAAD scholarship selection committee (member 2005–2008, chair 2008–2010)
- Member, Physics Department Graduate Qualifier Committee (Spring 2005 and 2006 – 2009)
- Chair, Physics Department Computing Committee (PCC) which also serves as departmental computing liaison to the college of Arts & Sciences (2003 – 2008)
- Member, Physics Department colloquium committee (2003 – 2006)
- Member, Physics Department graduate student admissions committee (2002 – 2004)