

Alexei Bazavov

CURRICULUM VITAE

Department of Computational
Mathematics, Science and Engineering
Department of Physics and Astronomy
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EDUCATION

- 2003 – 2007 Department of Physics, Florida State University
Degree: Ph.D. in High Energy Physics
Advisor: Prof. B.A. Berg
- 1992 – 1997 Department of Physics, Kiev State University, Kiev, Ukraine
Degree: 5-year Diploma of Specialist with Honor

WORK EXPERIENCE

- 2016 – present Department of Computational Mathematics, Science and Engineering,
Department of Physics and Astronomy,
Michigan State University
Assistant Professor
- 2013 – 2016 Department of Physics and Astronomy,
University of California, Riverside and
Department of Physics and Astronomy, University of Iowa
Research Associate
- 2015, summer Theory Division, CERN, Visiting Scientist
- 2014, summer Department of Physics, University of Bielefeld, Visiting Scientist
- 2010 – 2013 Department of Physics, Brookhaven National Laboratory
Research Associate
- 2007 – 2010 Department of Physics, University of Arizona
Research Associate
- 1997 – 2002 Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine
Junior Research Fellow

PUBLICATIONS AND PRESENTATIONS

Author of 64 refereed publications (138 total).

Publications have 4,489 citations (according to inSPIRE as of 9/14/2016),
including 2 TOPCITE500+, 1 TOPCITE250+, 5 TOPCITE100+ and 13 TOPCITE50+
publications.

Have 46 invited presentations (73 total).

TEACHING EXPERIENCE

Fall 2015 “Quantum Gauge Theories” (graduate level), University of Iowa
Summer 2014 “Thermal Field Theory” (graduate level), Bielefeld University
Fall 2006 Physics Tutor, Department of Physics, FSU
Summer 2006 Physics Tutor, Department of Physics, FSU
Spring 2006 Physics Tutor, Department of Physics, FSU
Summer 2004 Instructor for General Physics Lab, Department of Physics, FSU
Spring 2004 Instructor for General Physics Lab, Department of Physics, FSU
Fall 2003 Instructor for General Physics Lab, Department of Physics, FSU
Summer 2003 Instructor for General Physics Lab, Department of Physics, FSU

PROPOSALS

PI of the proposal “Finite-temperature studies of Quantum Chromodynamics with HISQ action” for computing time with the New York Center for Computational Sciences (NYCCS).
PI of the proposal “QCD Thermodynamics at High Temperature” for computing time with the National Energy Research Scientific Computing Center (NERSC).
PI of the proposal “The Equation of State for 2+1 flavor QCD using Highly Improved Staggered Quarks” with INCITE/USQCD (on behalf of the HotQCD collaboration).

REFEREEING

Referee for Physical Review Letters, A, C, D, E, Nuclear Physics A, Physics Letters B, Computer Physics Communications, European Physical Journal C and Foundations of Physics.
Reviewer for Swiss National Supercomputing Centre, US Department of Energy.

AWARDS

2004 Florida State University Office of Graduate Studies teaching award “In appreciation of service to graduate student colleagues and the academic community at FSU”
2012 Workshop on the Physics of Ultrarelativistic Nucleus-Nucleus Collisions “Hot Quarks”, Lecturer Award “for the clearest presentation”

CONFERENCE ORGANIZATION

Workshop on Thermal Photons and Dileptons, Brookhaven National Laboratory, December 5–7, 2011 (with G. David and P. Petreczky)
Invited session “Non-perturbative Physics in the Standard Model and Beyond explored by Markov Chain Monte Carlo (MCMC) Calculations” in APS April meeting, Atlanta, GA, March 31–April 3, 2012 (with S. Gottlieb)
10th Workshop on Extreme QCD, Washington, DC, August 21–23, 2012 (with A. Alexandru, W. Freeman, F. Lee and K.-F. Liu)