

MATTHEW B. WINGATE – Invited Talks

Colloquia and plenary talks

1. 21 February 2006 – “Quarks, Neutrons, and Cold Atoms,” Physics Department Colloquium, Old Dominion University, Norfolk, VA, USA.
2. 6 April 2005 – “Quarks, Neutrons, and Cold Atoms,” Physics Department Special Colloquium, George Washington University, Washington, DC, USA.
3. 8 March 2005 – “Quarks, Neutrons, and Cold Atoms,” Physics Department Special Colloquium, University of British Columbia, Vancouver, BC, Canada.
4. 2 March 2005 – “Quarks, Neutrons, and Cold Atoms,” Physics Department Special Colloquium, Purdue University, West Lafayette, IN, USA.
5. 18 February 2005 – “Quarks, Neutrons, and Cold Atoms,” Physics Department Colloquium, College of William and Mary, Williamsburg, VA, USA.
6. 29 June 2004 – “Lattice QCD and Flavor Physics,” plenary review talk at the XXIV Physics in Collision Conference, Boston University, Boston, MA, USA.
7. 25 June 2004 – “Status of Lattice Flavor Physics,” plenary review talk at The XXII International Symposium on Lattice Field Theory, Fermi National Accelerator Laboratory, Batavia, IL, USA.

Seminars

1. 23 June 2006 – “Lattice and Effective Field Theory for Cold Fermionic Atoms,” at RIKEN-BNL Research Center workshop *RHIC Physics in the Context of the Standard Model: A Workshop and Symposium*, Upton, NY, USA.
2. 2 May 2006 – “Lattice Calculations for Quark Flavor Physics,” at *Exploration of Hadron Structure and Spectroscopy using Lattice QCD* program, Institute for Nuclear Theory, University of Washington, Seattle, WA, USA.
3. 20 March 2006 – “Lattice Field Theory Methods for Strongly Coupled Systems: Quarks and Cold Atoms,” Department of Applied Mathematics and Theoretical Physics, University of Cambridge, Cambridge, UK.
4. 16 March 2006 – “Field Theory Studies of a Unitary Fermi Gas,” Condensed matter seminar, University of Virginia, Charlottesville, VA, USA.
5. 15 March 2006 – “Accurate Lattice Calculations for Quark Flavor Physics,” High energy seminar, University of Virginia, Charlottesville, VA, USA.

6. 8 March 2006 – “Heavy Flavor Physics with 2+1 Flavors of Improved Staggered Quarks,” at *Lattice QCD via International Research Network*, the Fourth Workshop of the International Lattice Field Theory Network, Shonan International Village, Yokosuka, Kanagawa Prefecture, Japan.
7. 22 February 2006 – “Tabletop Studies of Fermion Pairing,” Theory group seminar, Jefferson Laboratory, Newport News, VA, USA.
8. 17 January 2006 – “Tabletop Studies of Fermion Pairing,” Theory Seminar, TRIUMF, Vancouver, BC, Canada.
9. 13 December 2005 – “Tabletop Studies of Fermion Pairing,” Nuclear Theory (T-16) Seminar, Los Alamos National Laboratory, Los Alamos, NM, USA.
10. 9 November 2005 – “Field Theoretic Methods for Nonrelativistic Fermion Gases,” High Energy/RIKEN Theory Seminar, Brookhaven National Laboratory, Upton, NY, USA.
11. 14 October 2005 – “Field Theoretic Methods for Nonrelativistic Fermion Gases,” at *Nuclear Structure Near the Limits of Stability* program, Institute for Nuclear Theory, University of Washington, Seattle, WA, USA.
12. 30 August 2005 – “Lattice Field Theory: from Quarks to Atoms,” Nuclear Theory (T-16) Seminar, Los Alamos National Laboratory, Los Alamos, NM, USA.
13. 11 May 2005 – “ $B \rightarrow \pi$ form factors from lattice QCD,” talk at *Joint SLAC-INT Workshop on Flavor Physics and QCD*, Seattle, WA, USA.
14. 18 April 2005 – “Lattice Field Theory for a Dilute Fermi Gas,” talk at *Strongly Interacting Quantum Gases* workshop, Ohio Center for Theoretical Science, Ohio State University, Columbus, OH, USA.
15. 25 February 2005 – “Lattice Field Theory Methods for Cold Atoms,” seminar at KITP program *Modern Challenges for Lattice Field Theory*, Santa Barbara, CA, USA.
16. 17 February 2005 – “ B Decays on the Lattice and Results for Heavy Flavor Phenomenology,” Theory Group seminar, Jefferson Laboratory, Newport News, VA, USA.
17. 12 January 2005 – “Cold Atoms on the Lattice,” INT seminar, Institute for Nuclear Theory, University of Washington, Seattle, WA, USA.
18. 26 March 2004 – “Heavy-light Mesons with Nonrelativistic and Fermilab Heavy Quarks,” plenary report on behalf of the NRQCD, FNAL, and MILC collaborations, all-hands meeting of the LGT SciDAC collaboration, Brookhaven National Laboratory, Upton, NY, USA.
19. 22 January 2004 – “Toward More Precise Lattice Simulation of B Physics,” Theory seminar, Fermi National Accelerator Laboratory, Batavia, IL, USA.
20. 25 November 2003 – “Toward More Precise Lattice Simulation of B Physics,” Nuclear and particle theory seminar, TRIUMF, Vancouver, BC, Canada.

21. 19 November 2003 – “Lattice Monte Carlo Simulation of a Dilute Fermi Gas: Theory and Numerical Exploration,” INT mini-workshop *Dilute Strongly Interacting Fermions*, Seattle, WA, USA.
22. 3 October 2003 – “Heavy-light Decay Constants using NRQCD and AsqTad Actions,” SciDAC Workshop on Improved Actions and Improved Algorithms, University of Colorado, Boulder, CO, USA.
23. 7 April 2003 – “Toward More Precise Lattice Simulation of B Physics,” Particle physics seminar, University of Glasgow, Glasgow, UK.
24. 24 February 2003 – “Toward More Precise Lattice Simulation of B Physics,” High energy physics seminar, University of Illinois, Urbana, IL, USA.
25. 11 February 2003 – “Toward More Precise Lattice Simulation of B Physics,” High energy theory seminar, Argonne National Laboratory, Argonne, IL, USA.
26. 6 February 2003 “Toward More Precise Lattice Simulation of B Physics,” Seminar, Institute for Nuclear Theory, University of Washington, Seattle, WA, USA.
27. 31 January 2003 – “Toward More Precise Lattice Simulation of B Physics,” Quark, Hadron, Nuclei group seminar, University of Maryland, College Park, MD, USA.
28. 7 November 2001 – “Staggered Light Quarks in Heavy-Light Mesons,” at the *Lattice QCD and Hadron Phenomenology Workshop*, Institute for Nuclear Theory, University of Washington, Seattle, WA, USA.
29. 8 June 2001 – “Strange Quark Mass using Domain Wall Fermions and Nonperturbative Renormalization,” Seminar at Center for Computational Physics, University of Tsukuba, Tsukuba, Japan.
30. 4 June 2001 – “Strange Quark Mass from Lattice QCD,” Nuclear theory seminar, University of Tokyo - Hongo campus, Tokyo, Japan.
31. 1 March 2001 – “The Strange Quark Mass from Lattice QCD,” Medium energy theory seminar, Carnegie Mellon University, Pittsburgh, PA, USA.
32. 24 May 2000 – “Lattice Phenomenology using Domain Wall Quarks,” High energy and astrophysics seminar, Ohio State University, Columbus, OH, USA.
33. 13 January 2000 – “Lattice Phenomenology using Domain Wall Quarks,” Theory seminar, Massachusetts Institute of Technology, Boston, MA, USA.
34. 9 July 1998 – “Lattice Study of SU(4) Yang-Mills,” *RHIC 98 Summer School*, Brookhaven National Laboratory, Upton, NY, USA.
35. 27 April 1998 – “Light Quark Masses using Domain Wall Fermions,” Particle theory seminar, Columbia University, New York, NY, USA.
36. 14 August 1997 – “QCD Thermodynamics with an Improved Lattice Action,” High energy theory seminar, Fermilab, Batavia, IL, USA.

37. 30 May 1997 – “QCD Thermodynamics with an Improved Lattice Action,” High energy theory seminar, Brookhaven National Laboratory, Upton, NY, USA.
38. 10 February 1997 – “QCD Thermodynamics with an Improved Lattice Action,” Nuclear and particle theory seminar, TRIUMF, Vancouver, BC, Canada.