

THE BCS-BEC CROSSOVER IN COLD ATOMS

Symposium in honor of
Deborah S. Jin recipient of the
2008 Benjamin Franklin Medal in Physics



Thursday, April 17, 2008

Carolyn Lynch Auditorium of
the Department of Chemistry
University of Pennsylvania,
231 South 34th Street
Philadelphia, PA 19104



photograph: CU-Boulder

Schedule

- 9:00-9:20 Welcome and Introductory Remarks
Tom Lubensky, Chair, Dept. of Physics & Astronomy, Penn
Philip W. Hammer, V.P. of The Franklin Center, The Franklin Institute
Mitch Marcus, Chair, CS&A
- 9:20 – 10:00 Chair: **Eli Burstein**, Member, Physics Cluster, CS&A
Kathryn Levin, Prof. Physics, U. Chicago, James Franck Institute
"BCS-BEC Crossover: Past, Present and Future"
- 10:00-10:40 **J Randall Hulet**, Fayez Sarofim, Prof. of Physics, Rice University
"Exploration of the BEC-BCS Crossover with Ultracold Lithium Atoms"
- 10:40-11:10 Coffee Break
- 11:10-11:50 Chair: **Charles Kane**, Prof. Dept. of Physics & Astronomy, Penn
Murray Holland, Fellow JILA, Dept. Physics, U. Colorado
"Ultracold atomic gases, an almost ideal laboratory to study superfluid physics"
- 11:50-12:30 **Deborah Jin**, Fellow JILA & NIST, Prof. Adj. Physics Dept., U. Colorado
"Experimental Realization of the BCS-BEC Crossover in Cold Atoms"