

Presentations 2003

0	Date	Place	Type of talk	Speaker	Title
1	1/2- 1/4	Kolkata, INDIA	Invited talk IACM III: India and Abroad- III: A conference in Condensed Matter Physics	Ananth Chikkatur	Exploring physics using transported Bose-Einstein condensates
2	1/6	Okayama, Japan	Seminar, Okayama University	Aaron Leanhardt	Manipulating Gaseous Bose-Einstein Condensates: Studies of Coherent Condensate Transport and Wavefunction Engineering
3	1/7	Awaji Yumebutai, Japan	Invited talk, the 5 th Laser Cooling Workshop	Aaron Leanhardt	Bose-Einstein Condensates in Magnetic Waveguides
4	3/1 – 3/3	Bangalore, India	Invited lectures (4), SERC School on Precision Spectroscopy of Atoms, Molecules and Bose-Einstein Condensates, Indian Institute of Science	A. Chikkatur	Bose-Einstein condensates: What are they, how to make them and what can one do with them?
5	3/15	Pilani, Rajasthan, India,	Lecture, APOGEE-2003 Physics Lecture, Birla Institute of Technology and Science	A. Chikkatur	The Bose-Einstein Condensate: Superfluid dilute gas of coherent atoms
6	3/20	Amelia Island, Florida	Renaissance Weekend, popular talk	WK	The coldest matter in the universe
7	3/22	Amelia Island,	Renaissance Weekend, talk for	WK	

8	3/26	Florida Hannover, Germany	children, 8 – 12 years old Public evening lecture, German Physical Society meeting	WK	Ultrakalte Quantengase - die kälteste Materie im Universum
9	3/28	Hannover, Germany	Contributed talk, German Physical Society meeting	Dominik Schneble	Superradianz in Bose- Einstein-Kondensaten im Regime kurzer Laserpulse
10	3/27	Hannover, Germany	Contributed talk, German Physical Society meeting	Kai Dieckmann	The Interacting Fermi Gas Near a Feshbach Resonance
11	4/3	Schloß Reisensburg, Günzburg, Germany	Invited talk, International Workshop Quantum Gases	Dominik Schneble	Small Scales and Short Times: Two Recent Experiments with Bose- Einstein Condensates
12	4/8	Cambridge	After dinner talk, MIT MIST program	WK	The coldest matter in the universe
13	4/11	Physics Department, University of Massachusetts, North Dartmouth, MA	Invited talk, Symposium in honor of Prof. G. Leung,	Dominik Schneble	Quantum Effects on a Macroscopic Scale: BEC in Dilute Atomic Gases
14	4/14	Oxnard, CA	NASA/JLP workshop on fundamental physics in space	WK	Experiments with ultracold quantum- degenerate fermionic lithium atoms
15	4/15 – 4/25	Les Houches, France	Poster presentation, workshop “Quantum Gases in Low Dimensions”	Jit Kee Chin	Amplification of Local Instabilities in a Bose- Einstein Condensate with Negative Scattering Lengths

16	4/17	University of Massachusetts, Amherst, MA	Condensed Matter Seminar, Physics Department	Dominik Schneble	Recent Experiments with Ultracold Quantum-Degenerate Gases
17	4/30	MIT, Cambridge	Condensed Matter Theory Informal Seminar	Zoran Hadzibabic	Are ultracold Fermi atoms getting interesting?
18	5/2-5/4	University of Minnesota, Minneapolis	Invited talk, workshop on "Correlation Effects in Bose Condensates & Optical Lattices"	Kai Dieckmann	The Strongly Interacting Fermi Gas near a Feshbach Resonance
19	5/13	Harvard, Cambridge	Harvard Condensed Matter & Quantum Optics Seminar	Zoran Hadzibabic	RF Spectroscopy of Ultracold Fermions
20	5/13	MIT, Cambridge	Talk, MIT Club of Boston	WK	The coldest matter in the universe
21	5/20 –5/24	Boulder, CO	DAMOP, invited talk	S. Gupta	Strongly Interacting Degenerate Fermi Gases
22	5/20 –5/24	Boulder, CO	DAMOP, contributed talk	C. Stan	Large Numbers of Degenerate Fermionic Atoms
23	5/20 –5/24	Boulder, CO	DAMOP, contributed talk	M. Zwierlein	Interactions between Degenerate Fermionic gases near a Feshbach Resonance
24	5/20 –5/24	Boulder, CO	DAMOP, contributed talk	A. Leanhardt	Vortices and Spin Textures in a Bose-Einstein Condensate
25	5/20 –5/24	Boulder, CO	DAMOP, contributed talk	Dan Miller	Amplification of Local Instabilities in a Bose-Einstein Condensate with Attractive Interactions
26	5/20 –5/24	Boulder, CO	DAMOP, contributed talk	T. Pasquini	Bose-Einstein Condensates in Magnetic

27	5/20 – 5/24	Boulder, CO	DAMOP, contributed talk	M. Boyd	Waveguides The Onset of Matter-Wave amplification in a superradiant BEC
28	5/27	Arlington, VA	DARPA Precision Inertial Navigation Systems Workshop	WK	How to make and manipulate large Bose-Einstein Condensates
29	6/3 - 6/5	Baltimore, Maryland	CLEO/QELS, contributed talk	C. Schunck	Decay of an ultracold fermionic lithium gas near a Feshbach resonance
30	6/3 - 6/5	Baltimore, Maryland	CLEO/QELS, poster	E. Streed	Experiments with a science-chamber apparatus for rubidium BEC
31	6/3 - 6/5	Baltimore, Maryland	CLEO/QELS, contributed talk	Y.-I. Shin	Bose-Einstein condensates in magnetic waveguides
32	6/15 – 6/20	Tilton School, Tilton, NH	Poster Presentation, Gordon Conference on Atomic Physics	Jit Kee Chin	Amplification of Local Instabilities in a Bose-Einstein Condensate with Negative Scattering Lengths
33	6/15 – 6/20	Tilton School, Tilton, NH	Poster Presentation, Gordon Conference on Atomic Physics	Aaron Leanhardt	
34	6/15 – 6/20	Tilton School, Tilton, NH	Poster Presentation, Gordon Conference on Atomic Physics	Martin Zwierlein	
35	6/15 – 6/20	Tilton School, Tilton, NH	Invited talk, Gordon Conference on Atomic Physics	D.E. Pritchard	Single Mode Atom Chips for BECs
36	6/24	MIT, Cambridge	Teacher's workshop	WK	
37	6/26	Bangalore, India	Lecture for high school students, Center for Learning (CFL),	A. Chikkatur	Bose-Einstein Condensates

38	7/17	Brussels, Belgium	Invited talk, 35th Conference of the European Group for Atomic Spectroscopy (EGAS), Universite Libre de Bruxelles	Dominik Schneble	Recent Experiments with Ultracold Quantum-Degenerate Gases
39	8/14	MIT, Cambridge	TOPS program (Teaching workshop for undergraduates)	WK	Quantum Gases – The Coldest Matter in the Universe
40	9/6	Vancouver, Canada	Poster Presentation, Packard Fellows Reunion	WK	Cooling a Gas Below 500 Picokelvin - the Lowest Temperature Ever Achieved
41	9/13 – 9/18	San Feliu de Guixols, Spain	Invited talk, EURESCO conference on Bose-Einstein Condensation	WK	Recent results at MIT on cold bosons and fermions
42	9/13 – 9/18	San Feliu de Guixols, Spain	Poster presentation, EURESCO conference on Bose-Einstein Condensation	T. Mukaiyama	Creation of optically trapped ultracold Na ₂ molecules via a Feshbach resonance
43	9/13 – 9/18	San Feliu de Guixols, Spain	Poster presentation, EURESCO conference on Bose-Einstein Condensation	C.A. Stan	RF spectroscopy of a strongly interacting Fermi gas
44	9/13 – 9/18	San Feliu de Guixols, Spain	Poster presentation, EURESCO conference on Bose-Einstein Condensation	G. Campbell	
45	9/13 – 9/18	San Feliu de Guixols, Spain	Poster presentation, EURESCO conference on Bose-Einstein Condensation	Y.-I. Shin	Bose-Einstein condensates in a optical double-well potential
46	10/5 – 10/9	Tucson, AZ	Contributed talk, Laser Science XIX (OSA Annual Meeting)	D. Schneble	Spin-flip Amplification in a Bose-Einstein Condensate
47	10/5 – 10/9	Tucson, AZ	Contributed talk, Laser Science	C.H. Schunck	Interactions between

			XIX (OSA Annual Meeting)		degenerate fermionic gases near a Feshbach resonance
48	10/9	Schenectady, NY	Physics colloquium at Union College	A. Leanhardt	Atomic Gases Half a Billionth of a Degree Above Absolute Zero
49	10/28	Taramani, Chennai, India	Two invited lectures at the Institute of Mathematical Science	A. Chikkatur	Superfluidity and Bose-Einstein Condensates
50	10/30	New York	Talk, MIT Club of New York	WK	The coldest matter in the universe
51	11/3	Ulm	Colloquium	WK	Quantenmaterie aus eiskalten Atomen
52	11/4	Brussels, Belgium	Annual STOA lecture, European Parliament	WK	The coldest matter in the universe – basic research for our future
53	11/10	Brown University, Providence	Colloquium	WK	New frontiers with quantum-degenerate gases
54	11/13	Stuttgart, Germany	Quantenforum, Universität Stuttgart	D. Schneble	Neue Experimente zur superradianten Lichtstreuung in Bose-Einstein-Kondensaten
55	11/13	MIT, Cambridge	Public lecture, Sidney Pacific dormitory	WK	Physics At The Lowest Temperatures Ever Achieved
56	11/15	MIT, Cambridge	Key note speech, Siemens-Westinghouse Competition	WK	Physics At The Lowest Temperatures Ever Achieved
57	11/19	University of Washington,	Invited Talk at the Mini-workshop on Dilute Strongly	S. Gupta	Experiments with a Strongly Interacting

Seattle,
Washington

Interacting Fermi Gases,
Institute for Nuclear Theory
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Fermionic Lithium Gas