

Presentations 2004

0	Date	Place	Type of talk	Speaker	Title
1	1/5	Snowbird, Utah	Invited talk at the Physics of Quantum Electronics Conference	Subhadeep Gupta	Sympathetic Cooling in Atom Traps: Road to Fermi Degeneracy and Bose-Einstein Condensation of Molecules
2	1/26	Charleston, SC	PINS workshop, Charleston	WK	Steps towards atom interferometry on an atom chip
3	2/3	Brookline, MA	BACE (Adult Education)	WK	Physics At The Lowest Temperatures Ever Achieved
4	2/19	Lexington, MA	NEOS (New England Section of the Optical Society of America)	WK	Physics At The Lowest Temperatures Ever Achieved
5	2/26	Cambridge, MA	Talk for the Physics Undergraduate Association at Harvard	WK	New frontiers with quantum-degenerate gases
6	3/2	Florence, Italy	Colloquium, University of Florence	WK	New frontiers with ultracold gases
7	3/4	Levico, Italy	Invited Talk, Workshop on Ultracold Fermi Gases	WK	Bose-Einstein condensation of lithium molecules and studies of a strongly interacting Fermi gas
8	3/8/	Regensburg, Germany	Plenary Talk, March Meeting of the German Physical Society	WK	Bose-Einstein-Kondensation von Atomen und Molekülen

9	3/16	Lexington, MA	Clarke Middle School	WK	
10	3/18	Cambridge	MIT Physics Colloquium	WK	New Frontiers with Ultracold Gases
11	3/23	Montreal	APS March Meeting, Invited Talk	WK	Observation of Bose-Einstein Condensation of Molecules
12	3/25	Stateboro, GA	Georgia Southern University, Distinguished Lecture	WK	New Frontiers with Ultracold Gases
13	4/5/	Middlebury, VT	Middlebury College, Popular Lecture	WK	New Frontiers with Ultracold Gases
14	4/22-4/23	MIT	NSF Review	WK	Studies of fermionic lithium
15	5/10	Santa Barbara, CA	Conference on Quantum Gases, ITP, Invited Talk	WK	Condensation of pairs of fermionic lithium atoms below and above a Feshbach resonance
16	5/26	Tucson, AZ	DAMOP (Poster)	C. Schunck	Condensation of Pairs of Fermionic Atoms Near a Feshbach Resonance
17	5/26	Tucson, AZ	DAMOP (Poster)	C. Schunck	Crossover from a Bose-Einstein Condensate of Molecules to a Degenerate Fermi Gas of Atoms
18	5/26	Tucson, AZ	DAMOP (Poster)	S. Nguyen	Magnetic trapping and evaporative cooling of Mn
19	5/26	Tucson, AZ	DAMOP	R. Michniak	Buffer gas cooling and trapping of atoms with small effective magnetic moments
20	5/26	Tucson, AZ	DAMOP	M. Zwierlein	Observation of Bose-Einstein Condensation of

21	5/27	Tucson, AZ	DAMOP (Invited Talk)	WK	Molecules New frontiers with ultracold gases
22	5/28	Tucson, AZ	DAMOP	C. Schunck	Crossover from a Bose-Einstein Condensate of Molecules to a Degenerate Fermi Gas of Atoms
23	5/28	Tucson, AZ	DAMOP	K. Xu	Formation of Quantum-Degenerate Sodium Molecules
24	5/28	Tucson, AZ	DAMOP	D. Schneble	Raman Amplification of Matter Waves
25	5/28	Tucson, AZ	DAMOP	M. Saba	Cold Bose-Einstein condensates for surface reflection
26	5/28	Tucson, AZ	DAMOP	Y. Shin	Confined-atom interferometry with Bose-Einstein condensates
27	5/29	Tucson, AZ	DAMOP	T. Mukaiyama	Dissociation and Decay of Ultracold Sodium Molecules
28	6/28	MIT	TOPS Program	WK	Quantum Gases – the Coldest Matter in the Universe
29	7/2	Grand Teton	Renaissance Weekend	WK	The coldest matter in the universe
30	7/7	Boulder, CO	Boulder Summer School	WK	Introduction to cold atoms and Bose-Einstein condensation (II)
31	7/8	Boulder, CO	Boulder Summer School	WK	Introduction to cold atoms and Bose-Einstein

32	7/9	Boulder, CO	Boulder Summer School	WK	condensation (II) Introduction to cold atoms and Bose-Einstein condensation (II)
33	7/14	MIT	RSI	WK	Physics at the Lowest Temperatures Ever Achieved
34	7/25	Rio de Janeiro, Brazil	ICAP, Plenary Talk	WK	New frontiers with ultracold gases
35	7/25-7/30/04	Rio de Janeiro, Brazil	ICAP	S.V. Nguyen	Magnetic trapping and cold collisions of Mn
36	7/25-7/30/04	Rio de Janeiro, Brazil	ICAP	K. Xu	Ultra-cold molecules formation and dissociation via a Feshbach resonance
37	7/25-7/30/04	Rio de Janeiro, Brazil	ICAP	T.A. Pasquini	Bose-Einstein Condensates in a Double- Well Potential
38	7/25-7/30/04	Rio de Janeiro, Brazil	ICAP	R.A. Michniak	Buffer gas cooling of low magnetic moment atoms
39	7/25-7/30/04	Rio de Janeiro, Brazil	ICAP	M. Saba	Atom chips for interferometry with Bose- Einstein Condensates
40	7/25-7/30/04	Rio de Janeiro, Brazil	ICAP	G. Campbell	Transport and manipulation of a rubidium BEC in an optical tweezer
41	7/25-7/30/04	Rio de Janeiro, Brazil	ICAP	T.A. Pasquini	Normal-Incidence Quantum Reflection and the Gravitational-Magnetic Trap
42	7/25-7/30/04	Rio de Janeiro,	ICAP	M. Zwerlein	Bose-Einstein

		Brazil			Condensation of Molecules and Fermionic Atom Pairs near a Feshbach Resonance
43	9/12-9/15/04	Aomori University, Aomori Japan	JPS(Physical Society of Japan)	T. Mukaiyama	Dissociation and Decay of ultracold Sodium Molecules
44	10/19	Stanford	Colloquium	WK	Bose-Einstein Condensation of Atoms, Molecules and Fermion Pairs
45	10/29	Heidelberg	Colloquium	WK	Mit ultrakalten Gasen zu neuen Ufern
46	10/30	Duisburg	Public Lecture	WK	Ultrakalte Quantengasse – die kälteste Materie im Universum
47	10/31	Aurich	Public Lecture	WK	Ultrakalte Quantengasse – die kälteste Materie im Universum
48	11/1	Berlin, Germany	Max-von-Laue-Kolloquium	WK	Ultrakalte Quantengasse – die kälteste Materie im Universum
49	11/2	Berlin, Germany	URANIA, Public Lecture	WK	Ultrakalte Quantengasse – die kälteste Materie im Universum
50	12/3	Amherst	Colloquium	WK	Bose-Einstein condensation of atoms, molecules, and fermion pairs
51	12/7	Monterrey, CA	PINS Workshop	WK	Novel approaches to atom interferometry

52 12/16

Garching, Germany Growth and Innovation
Dialogue (per Video
Conferene)

WK

Auf Einstein Spuren in
den USA – Die kaelteste
Materie im Universum