Invited Talks at Conferences (since 1993) - Wolfgang Ketterle and group members

2021
1. *Spin dynamics of ultracold atoms in optical lattices*, Virtual AMO Seminar, 2/19/2021 (Talk by W. Ketterle)

2020
1. *Measurements using ultracold atoms and molecules*  
   Measurements at the Limit, WE-Heraeus-Symposium, Berlin, Germany, 11/7/2020  
   (Talk by W. Ketterle)
2. *Quantum Computing, Science & Engineering*  
   SIT Conference on Insights in Technology, Schaffhausen Institute of Technology, Switzerland, 12/16/2020  
   (Talk by W. Ketterle)
   (Talk by W. Ketterle)

2019
1. *Bose-Einstein condensates with synthetic gauge fields*  
   Universal schemes of Bose-Einstein condensation (UBEC 2019), Pittsburgh, 4/5/2019  
   (Talk by W. Ketterle)
2. *Spinful Bosons in Optical Lattices*  
   Atomic Physics Gordon Conference, Newport, RI, 6/13/2019  
   (Talk by W. Ketterle)
3. *New forms of matter near absolute zero temperature*  
   69th Lindau Nobel Laureate Meeting, Germany, 7/4/2019  
   (Talk by W. Ketterle)
4. *Ultracold Molecules and Spinful Bosons in Optical Lattices*  
   FQMT ’19 (Frontiers of Quantum and Mesoscopic Thermodynamics), Prague, Czech Republic, 7/18/2019  
   (Talk by W. Ketterle)
5. *Ultracold NaLi molecules and spin transport in optical lattices*  
   Bose-Einstein Condensation 2019, San Feliu, Spain, 9/10/2019  
   (Talk by W. Ketterle)

2018
1. New forms of matter with ultracold atoms: superfluids and supersolid
   Inauguration Ceremony of the Max Planck Harvard Research Center for Quantum
   Optics, Munich, 1/12/2018
   (Talk by W. Ketterle)

2. Feshbach resonances: Early theory and experiments
   Symposium on 20 years of Feshbach Resonances in Ultracold Atomic Gases, MIT,
   Cambridge, 5/3/2018
   (Talk by W. Ketterle)

3. Spin-orbit coupling and supersolidity in optical superlattices
   DAMOP meeting, Fort Lauderdale, 5/31/2018
   (Talk by W. Ketterle)

4. How to dress RF photons with tunable momentum, and magnetic spin-orbit coupling
   Humboldt Kolleg, Vilnius, Lithuania, 7/30/2018
   (Talk by W. Ketterle)

5. How to dress RF photons with tunable momentum and magnetic spin-orbit coupling
   Research Frontiers in Ultracold Quantum Gases, 685. WE-Heraeus-Seminar, Bad
   Honnef, 12/19/2018
   (Talk by W. Ketterle)

2017

1. New forms of matter with ultracold atoms: synthetic magnetic fields and supersolidity
   Frontiers in Quantum Coherent Science, UC Berkeley, 1/9/2017
   (Talk by W. Ketterle)

2. Ultracold atoms in strong synthetic magnetic fields
   APS March Meeting, New Orleans, 3/17/2017
   (Talk by W. Ketterle)

3. New forms of matter with ultracold atoms: synthetic magnetic fields and supersolidity
   JQI 10th Anniversary Symposium, University of Maryland, 5/19/2017
   (Talk by W. Ketterle)

4. Neue Materialien aus atomaren Gasen – viel dünner als Luft, Forschungstag 2017,
   Baden-Württemberg-Stiftung, Stuttgart, 6/9/2017
   (Talk by W. Ketterle)

5. Spin-orbit coupling and the supersolid stripe phase of Bose-Einstein condensates,
   BEC 2017 conference, San Feliu, 9/3/2017
   (Talk by W. Ketterle)

6. New forms of matter with ultracold atoms: superfluids, supersolids and more,
   DesOEQ Kickoff Meeting, Glasgow, 10/25/2017
   (Talk by W. Ketterle)

7. Supersolid, superradiance, and polar molecules, FLEET Annual Workshop,
   Torquay, Australia, 11/29/2017
   (Talk by W. Ketterle)

2016
1. Quantum Simulations with Laser Assisted Tunneling  
Solvay Workshop on “Quantum Simulations with Cold Matter and Photons”, Brussel, 2/11/2016  
(Talk by W. Ketterle)

2. Experimental Realization of the Harper-Hofstadter Model  
APS March Meeting, Baltimore, Maryland, 3/15/2016  
(Talk by Colin Kennedy)

3. Spin-Orbit Coupling and Spin Textures in Optical Superlattices  
KITPC Workshop on “Synthetic Topological Quantum Matter”, Beijing, 8/3/2016  
(Talk by W. Ketterle)

4. Ultracold atoms as quantum simulators for new materials – optical lattices, synthetic magnetic fields and topological phases  
Plenary talk at ECAMP, Frankfurt, 9/6/2016  
(Talk by W. Ketterle)

5. Superfluid Bose and Fermi gases  
Talk at “Ninety Years of Fermions”, Academia Nazionale dei Lincei, Rome, 10/20/2016  
(Talk by W. Ketterle)

2015

1. Light as a tool to study new forms of matter near absolute zero temperature  
Opening of the International Year of Light, Yearly Meeting of The Danish Physical Society, Danmarks Tekniske Universitet (DTU), Copenhagen, 1/22/2015  
(Talk by W. Ketterle)

2. Light as a tool to study new forms of matter near absolute zero temperature  
Light and Atoms, Celebration of the International Year of Light, INRIM, Torino, Italy, 1/27/2015  
(Talk by W. Ketterle)

3. Ultracold atoms in strong synthetic magnetic fields  
APS March Meeting, San Antonio, TX, 3/2/2015  
(Talk by W. Ketterle)

4. New Materials Made of Ultracold Atoms Near Absolute Zero Temperature  
Meeting of the New England American Vacuum Society, Lowell, MA, 6/1/2015  
(Talk by W. Ketterle)

5. Atoms at ultralow temperature in ultrahigh synthetic magnetic fields  
Gordon Research Conference on Atomic Physics, Newport, RI, 6/16/2015  
(Talk by W. Ketterle)

6. Topological quantum matter – a new frontier for ultracold atoms (and molecules)  
Workshop on the Grand Challenges in Quantum Fluids and Solids, Buffalo, NY, 8/7/2015  
(Talk by W. Ketterle)
   Biannual BEC conference, San Feliu, Spain, 9/6/2015
   (Talk by W. Ketterle)

8. *Ultracold atoms as quantum simulators for new materials – optical lattices, synthetic magnetic fields and topological phases*
   Photonics Middle East 2015, Texas A&M University at Qatar, Doha, Qatar, 12/13/2015
   (Talk by W. Ketterle)

2014

1. *Synthetic magnetic fields for neutral atoms in optical lattices*
   Frontiers of the quantum world, in honor of E. Arimondo, Florence, Italy, 3/10/2014
   (Talk by W. Ketterle)

2. *Ultracold atoms as quantum simulators for new materials – optical lattices and synthetic magnetic fields*
   Annual meeting of the New England Section of the APS, NES, Wentworth Institute of Technology, Boston, 11/7/2014

2013

1. *Superfluid Bose and Fermi gases*
   Workshop on "Universal Themes of Bose-Einstein Condensation", Leiden, 3/11/2013
   (Talk by W. Ketterle)

2. *Superflüssige Gase nahe dem absoluten Temperatur-Nullpunkt*
   Otto Stern Symposium, Hamburg, 5/22/2013
   (Talk by W. Ketterle)

3. *Laser assisted tunneling in optical lattices*
   International Conference on Quantum Technologies, Moscow, 7/21/2013
   (Talk by W. Ketterle)

4. *Realizing the Harper Hamiltonian with laser-assisted tunneling in optical lattices*
   BEC 2013, San Feliu, Spain, 9/9/2013
   (Talk by W. Ketterle)

5. *New materials and quantum simulations*
   Army Science Planning & Strategy Meeting, Bolger Conference Center, Potomac, 9/25/2013
   (Talk by W. Ketterle)

6. *Cold atoms and many-body physics*
   3rd Humboldt Award Winners’ Forum, “Frontiers in Quantum Optics”, Bonn, 10/10/2013
   (Talk by W. Ketterle)

2012

1. *New forms of matter close to absolute zero temperature*
   Public Lecture, Aspen, 1/11/2012
   (Talk by W. Ketterle)
2. *Superfluid Bose and Fermi gases*
   APS March Meeting, tutorial, Boston, 2/26/2012
   (Talk by W. Ketterle)

3. *Superflüssige Gase nahe dem absoluten Temperatur-Nullpunkt*
   Public evening lecture at the German Physical Society meeting, Stuttgart, 3/15/2012
   (Talk by W. Ketterle)

4. *Ultracold fermions with repulsive interactions and Bragg scattering in an optical lattice*
   ICAP 2012, Palaiseau, France, 7/23/2012
   (Talk by W. Ketterle)

2011

1. *Superfluidity in an Atomic Gas of Strongly Interacting Fermions*
   APS March meeting, special session on “Perspectives on 100 years of superconductivity”, Dallas, 3/21/2011
   (Talk by W. Ketterle)

2. *Noise measurement, repulsive Fermi gas and Bragg scattering of bosons*
   IFRAF Mini Workshop at ENS, Paris, 9/9/2011
   (Talk by W. Ketterle)

3. *Noise measurements, repulsive Fermi gas and Bragg scattering of bosons*
   (Talk by W. Ketterle)

   (Talk by W. Ketterle)

2010

1. *Ultracold fermions with strong interactions*
   Plenary talk, Physics@FOM, Veldhoven, NL, 01/19/2010
   (Talk by W. Ketterle)

2. *Towards Quantum Magnetism with Ultracold Atoms*
   Frontiers in Atomic Physics, Florence, Italy, 04/10/2010
   (Talk by W. Ketterle)

3. *Towards Quantum Magnetism with Ultracold Atoms*
   DAMOP, Houston, 05/27/2010
   (Talk by W. Ketterle)

4. *Towards Quantum Magnetism with Ultracold Atoms*
   Plenary talk, STATPHYS 2010, Cairns, Australia, 07/21/2010
   (Talk by W. Ketterle)

5. *Towards Quantum Magnetism with Ultracold Atoms*
   Plenary talk, ICAP 2010, Cairns, Australia, 07/29/2010
   (Talk by W. Ketterle)
6. Towards Quantum Magnetism with Ultracold Atoms  
Plenary talk, QFS 2010, Grenoble, France, 08/06/2010  
(Talk by W. Ketterle)

7. Characterizing many-body systems by observing density fluctuations  
QFS 2010 Satellite Workshop, Grenoble, France, 08/07/2010  
(Talk by W. Ketterle)

8. Superfluid gases near absolute zero temperature  
Symposium, Manchester, 10/13/2010  
(Talk by W. Ketterle)

9. Towards Quantum Magnetism with Ultracold Atoms  
EMMI Workshop, Darmstadt, 11/04/2010  
(Talk by W. Ketterle)

2009

1. The phase-diagram of a superfluid two-component Fermi gas  
APS March Meeting, Pittsburgh, 3/19/2009  
(Talk by W. Ketterle)

2. Fermions with strong attraction and repulsion  
Gordon Conference on Atomic Physics, Tilton, NH, 6/29/2009  
(Talk by W. Ketterle)

3. Ultracold fermions with strong interactions  
QFS meeting, plenary talk, Evanston, Ill, 08/11/2009  
(Talk by W. Ketterle)

4. Ultracold fermions with strong interactions  
BEC conference, San Feliu, Spain, 09/10/2009  
(Talk by W. Ketterle)

2008

1. Strongly interacting bosonic and fermionic gases  
Latsis Symposium at EPFL, Lausanne, Switzerland, 1/28/2008  
(Talk by W. Ketterle)

2. Solid State Analogs in Bose-Condensed Gases  
(Talk by G. Campbell)

3. Pairing and superfluidity in a gas of strongly interacting fermions  
(Talk by W. Ketterle)

4. RF Spectroscopy on Strongly Interacting Fermi Gases  
Workshop on Ultracold Atoms and Quark-Gluon Plasmas, Niels Bohr International Academy and NORDITA, Copenhagen, Denmark, 6/23/2008  
(Talk by M. Zwierlein)
5. *Superfluidity in a gas of strongly interacting fermions q*
   Plenary talk at LT 25, Amsterdam, 8/13/2008
   (Talk by W. Ketterle)

6. *Designing new materials with ultracold atoms*
   (Talk by W. Ketterle)

7. *Studies of strongly interacting fermions*
   Frontiers on Degenerate Quantum Gases, Beijing, China, 10/20/2008
   (Talk by W. Ketterle)

2007

   Conference of the National Society of Black Physicists (NSBP), Boston, 2/22/07.

2. *Ultracold Atoms – Dilute Gases with Strong Interactions*
   Korrelationstage (Correlation days) 2007, Dresden, Germany, 2/26/07
   (Talk by M. Zwierlein)

   Plenary Lecture, DPG-Meeting, Düsseldorf, Germany, 3/19/07.

4. *Fermionic Superfluidity with Imbalanced Spin Populations*
   ECT* Workshop “Interface of Quark-Gluon Plasma Physics and Cold-Atom Physics”
   Trento, Italy, 03/22/07
   (Talk by M. Zwierlein)

   JQI Inaugural Symposium, College Park, MD
   University of Maryland, 3/27/07.

6. *Fermionic Superfluidity with Imbalanced Spin Populations*
   Spring Meeting of the German Physical Society, Regensburg, Germany, 3/29/2007
   (Talk by M. Zwierlein)

   50 Years BCS Symposium, Brown University, Providence, RI, 4/12/07.

8. *Ultracold fermionic atoms under rotation: Vortices in a high-temperature superfluid*
   (Talk by M. Zwierlein)

   KITP Workshop, Santa Barbara, 4/23.

    CLEO/QELS, Baltimore, 5/9/07.

11. *Superfluidity in a gas of strongly interacting fermions.*
    Lorenzo Narducci Memorial Symposium, Drexel University, Philadelphia, 5/24/07.
12. *High-Temperature Superfluidity in an Ultracold Fermi Gas*  
DAMOP, Calgary, Canada, 6/7/07, Thesis Prize Session  
(Talk by M. Zwierlein)

13. *Fermionic Superfluidity with Imbalanced Spin Populations.*  
CLEO/Europe IQEC, 6/21/07.  
(Talk by M. Zwierlein)

14. *The Ground State of Imbalanced Fermi Mixtures*  
A.I. Larkin Memorial Conference, Landau Institute, Chernogolovka, Russia, 6/24/07  
(Talk by M. Zwierlein)

15. *Superfluidity of ultracold fermions - in a gas, in a lattice and with imbalanced populations.*  

16. *Pairing and Superfluidity in Ultracold Fermi Mixtures*  
Correlated Quantum Gases – Workshop, Marburg, Germany, 7/3/07  
(Talk by M. Zwierlein)

17. *Recent results at MIT on ultracold Fermi gases.*  
Bose-Einstein condensation 2007, San Feliu, Spain, 9/16/07

18. *The Ground State of Imbalanced Fermi Mixtures*  
Control of Quantum Correlations in Tailored Matter, Schloss Reisensburg, Germany, 10/6/07.  
(Talk by M. Zwierlein)

**2006**

1. *Fermionic Superfluidity with Mismatched Spin Populations and the Quantum Phase Transition to the Normal State.*  
Workshop on Strong Correlations in Ultra-Cold Fermi Systems, Aspen 1/16/06  
(Talk by M. Zwierlein)

2. *Observation of High-Temperature Superfluidity in a Gas of Fermionic Atoms*  
APS March meeting, Baltimore, MD, 3/13/06  
(Talk by M. Zwierlein)

(Talk by M. Zwierlein)

Workshop on Cold Atoms Meet Condensed Matter, Dresden, 3/29/06.

DAMOP, Knoxville, TN, 5/18/06, Thesis Prize Session  
(Talk by Y. Shin)

NASA workshop “From Quantum to Cosmos”, Airlie Center, VA, 5/23/06
7. Fermionic Superfluidity with Imbalanced Spin Populations  
   Workshop “Strong Correlations in Fermi Systems”, Nordita and Niels Bohr Institute, Copenhagen, Denmark, 6/14/06  
   (Talk by M. Zwierlein)

8. Observation of High-Temperature Superfluidity in a Gas of Fermionic Atoms  
   Gordon conference on correlated electron systems, Mount Holyoke College, South Hadley, MA, 6/19/06  
   (Talk by M. Zwierlein)

9. Ultracold Fermi gases – from the experimenters’ perspective, 3 lectures, Varenna  
   Enrico Fermi Summer School on Ultracold Fermi Gases, 6/20, 6/21, 6/22/2006

10. Ultracold gases – from the experimenters’ perspective, 3 lectures, ICAP Summer School, Innsbruck, Austria, 7/10, 7/13, 7/14/06

    ICAP, Innsbruck, Austria, 7/18/06.

12. New forms of quantum matter near absolute zero temperature.  
    Meeting of the European Optical Society, Paris, 10/17/06

2005

1. BEC of Lithium Molecules.  
   DFG-Workshop on "Interactions in ultracold atomic and molecular gases",  
   Potsdam, Germany, 03/16/05  
   (Talk by Martin Zwierlein)

2. Condensates of Fermion Pairs.  
   OCTS Workshop on Strongly Interacting Quantum Gases, Columbus, Ohio, 4/19/05.  
   (Talk by Martin Zwierlein).

   Einstein Symposium, Zürich, 6/9/05

4. Observation of High-Temperature Superfluidity in ultracold Fermi gases.  
   Gordon Conference on Atomic Physics, Tilton, NH, 6/28/05.

5. Vortices and Superfluidity in a Strongly Interacting Fermi Gas.  
   ESF Workshop "New phenomena in superfluidity and superconductivity", Camerino, Italy, 07/04/05.  
   (Talk by Martin Zwierlein)

6. Vortices and Superfluidity in a Strongly Interacting Fermi Gas.  
   ETH Zurich/OSIT Workshop "Control and Manipulation of Quantum Systems",  
   Ascona, Switzerland, 07/10/05.  
   (Talk by Martin Zwierlein)

7. Vortices and Superfluidity in a Strongly Interacting Fermi Gas.  
   Conference on Low Temperature Physics (LT 24), Orlando, FL, 8/12/05

   BEC 2005 Euro Conference, San Feliu, Spain, 9/12/05
   Nobel Conference Gustavus Adolphus College, St. Peter, 9/27/05

    Charles Townes Symposium, Berkeley, 10/7/05

**2004**

1. *Sympathetic Cooling in Atom Traps: Road to Fermi Degeneracy and Bose-Einstein Condensation of Molecules*
   Physics of Quantum Electronics Conference, Snowbird, Utah, 1/5/04
   (Talk by Subhadeep Gupta)

2. *Bose-Einstein condensation of lithium molecules and studies of a strongly interacting Fermi gas*
   Workshop on Ultracold Fermi Gases, Levico, Italy, 3/3/04

3. *BEC of Lithium Molecules.*
   DFG-Workshop on "Interactions in ultracold atomic and molecular gases",
   Potsdam, Germany, 03/16/04
   (Talk by Martin Zwierlein)

4. *Bose-Einstein-Kondensation von Atomen und Molekülen*
   Plenary talk, March Meeting of the German Physical Society, Regensburg,
   Germany, 3/8/04

5. *Observation of Bose-Einstein Condensation of Molecules*
   APS March Meeting, Montreal, Canada, 3/23/04

6. *Condensation of pairs of fermionic lithium atoms below and above a Feshbach resonance*
   Conference on Quantum Gases, Institute for Theoretical Physics (ITP) Santa Barbara, 5/10/04

7. *New frontiers with ultracold gases*
   DAMOP, Tucson, Arizona, 5/27/04

8. *New frontiers with ultracold gases*
   ICAP (International Conference on Atomic Physics), Rio de Janeiro, Brazil, 7/25/04

**2003**

1. *Bose-Einstein Condensates in Magnetic Waveguides.*
   The 5th Laser Cooling Workshop, Awaji Yumebutai, Japan, 1/7/2003.
   (Talk by Aaron Leanhardt).

2. *Ultrakalte Quantengase – die kälteste Materie im Universum.*
   Plenary Talk, Spring Meeting of the German Physical Society (DPG), Hannover,
3. **Small Scales and Short Times: Two Recent Experiments with Bose-Einstein Condensates.**
   (Talk by Dominik Schneble).

4. **Quantum Effects on a Macroscopic Scale: BEC in Dilute Atomic Gases.**
   Symposium in honor of Prof. G. Leung, Physics Department, University of Massachusetts, North Dartmouth, MA, 4/11 – 4/12/2003).
   (Talk by Dominik Schneble).

5. **The Strongly Interacting Fermi Gas near a Feshbach Resonance.**
   (Talk by K. Dieckmann).

6. **Strongly Interacting Degenerate Fermi Gases.**
   (Talk by S. Gupta).

7. **Single Mode Atom Chips for BECs.**
   Gordon Conference on Atomic Physics, Tilton, NH, 6/19/2003.
   (Talk by D.E. Pritchard).

8. **Recent Experiments with Ultracold Quantum-Degenerate Gases.**
   (Talk by Dominik Schneble).

9. **Recent results at MIT on cold bosons and fermions.**

10. **Experiments with a Strongly Interacting Fermionic Lithium Gas.**
    (Talk by S. Gupta).

**2002**

1. **Bose-Einstein Condensation: Quantum Mechanics Near Zero Temperature.**
   Symposium “Experiments with Ultracold Atoms”, AAAS Annual Meeting, Boston, 2/16/2002

2. **Bose-Einstein Condensates: Matter Made of Matter Waves.**

3. **The Bose-Einstein condensate: A superfluid gas of coherent atoms.**

4. **Bose-Einstein condensates –superfluid gases.**
5. **Gaseous Bose-Einstein condensates - a nanokelvin laboratory for quantum physics.**

6. **Contrast Interferometry with Bose-Einstein Condensates to Measure h/m and alpha.**
   Talk by S. Gupta.

7. **Recent work on quantum-degenerate alkali gases at MIT.**

8. **The Bose-Einstein Condensate - a Superfluid Gas of Coherent Atoms.**

9. **A continuous BEC source and other recent work on quantum degenerate alkali gases at MIT.**
    7th Workshop on Atom Optics and Interferometry, Lunteren, The Netherlands, 10/2/02.

**2001**

1. **Collective enhancement and suppression in Bose-Einstein condensates.**
   Winter Colloquium on the Physics of Quantum Electronics, Snowbird, Utah, 1/8-11

2. Japan workshop on cold atoms
   (Talk by A. Chikkatur)

3. **Amplification of Atoms and Light in Bose-Einstein condensates.**

4. **Experiments with a Bose-Einstein Condensate in an Optical Trap.**
   (Talk by T. Gustavson)

5. **Vortex Matter in Bose-Einstein Condensates.**
   International Conference on Squeezed states and Uncertainty Relations, Boston, MA, June 4 – 8 (ICSSUR 2001)
   (Talk by Chandra Raman)

6. **Optical trapping and manipulation of Bose-Einstein condensates.**
   15th International Conference on Laser Spectroscopy, Snowbird, Utah, June 10-15, 2001 (ICOLS 01)
   (Talk by T. Gustavson)

7. **Coherence and collective behavior in Bose-Einstein condensates.**
   plenary talk, Eight Rochester Conference on Coherence and Quantum Optics, Rochester, June 13 -16.

8. **Spinning and shaping condensates with laser beams.**

9. **Bose-Einstein condensation – quantum mechanics near zero temperature.**
    plenary talk, Conference on statistical physics STATPHYS 21, Cancún, Mexico, July 18.
10. Recent BEC experiments at MIT – BEC in large-volume optical traps and interference of vortices. 
(Talk by A. Görlitz)

International Symposium on Foundations of Quantum Mechanics (ISQM-Tokyo ’01), Hatoyama, Japan, 8/27-30. 
(Talk by Shin Inouye)

(Talk by A. Görlitz)

(Talk by J. Abo-Shaeer)


15. When atoms behave as waves: Bose-Einstein condensation and the atom laser. 

2000

1. Spinor Bose-Einstein Condensates: Ground States, Metastability, and Quantum Tunneling. 
(Talk by A. Chikkatur)

2000 AAAS Annual Meeting and Science Innovation Exposition. 
2/21/2000, Washington DC.

3. Japan, Spring 2000 
(Talk by A. Görlitz)


5. Optical Properties of a Dressed Bose-Einstein condensate. 
ITAMP(Institute of Theoretical Atomic Molecular Physics) Workshop, Cambridge, MA, April 5, 2000 
(Talk by Shin Inouye)

plenary talk, German Physical Society meeting, 4/5, Bonn.
7. *When coherent light interacts with coherent atoms - optical properties of Bose-Einstein condensates.*  
   5/11, QELS, San Francisco.

8. *Shedding light on Bose-Einstein condensates.*  
   (Talk by D.M. Stamper-Kurn)


    CAP Congress, York University, 6/4 - 6/6/200.  
    (Talk by C. Raman)

11. *Experimental Studies of Superfluidity in Gaseous Bose-Einstein condensates.*  
    (Talk by J.M. Vogels)

    (Talk by D.M. Stamper-Kurn).


    Three lectures at the Summer School on Bose-Einstein condensates and atom lasers, Cargese, Corse (France), July 17-25, 2000.

    6th Workshop on Atom Optics and Interferometry, Cargese, Corse (France), July 26-29, 2000.  
    (Talk by T.L. Gustavson)


    16th Interdisciplinary Laser Science Conference (ILS-XVI), Providence, RI, October 22-26, 2000.  
    (Talk by A. Görlitz)
19. **Bose-Einstein condensation - identity crisis for indistinguishable particles.**
Symposium, One hundred years of the Quantum: from Max Planck to entanglement.

20. **Exciting Bose-Einstein condensates with laser light.**
Centenary Meeting “100 Years of Quantum Theory”, Berlin, December 13, 2000.

1999

1. **Spinor condensates and Bragg spectroscopy.**
Workshop on Bose-Einstein condensation and degenerate Fermi gases,

2. **The Physics of Cold Atoms at Millikelvin, Microkelvin and Nanokelvin Temperatures.**

3. **Spinor Bose-Einstein Kondensate und optische Auskoppler**
Spring meeting of the German Physical Society.
(Talk by J. Stenger).

4. **Spinor condensates and Bragg spectroscopy.**
Symposium on “Quantum phenomena of ultracold atoms and their applications”,
(Talk by S. Inouye)

5. **Keeping the focus on Bose-Einstein condensates.**

6. **Recent Results on BEC: Quantum Tunneling, Bragg Spectroscopy and Superradiance.**

7. **Dilute Bose-Einstein condensates - early predictions and recent experimental studies.**

8. **Bragg spectroscopy and superradiant Rayleigh scattering in a Bose-Einstein condensate**
ICOLS, Innsbruck, Austria, 6/7-11/1999.
(Talk by J. Stenger).

9. **Manipulating and probing Bose-Einstein condensates with light.**
(Talk by D.M. Stamper-Kurn).

10. **New optical tools to study BEC.**
(Talk by C. Raman)

11. **Recent Experiments in Bose-Einstein condensation: Superradiance and critical velocities.**
(Talk by R. Onofrio)
12. *Collisions at nanokelvin temperatures in Bose-Einstein condensates.*


XXII International Conference on Low Temperature Physics, 8/4/1999, Espoo, Finland, Plenary Talk.

15. *Recent Advances in Bose-Einstein Condensation.*

16. *Keeping the focus on Bose-Einstein condensates.*
European research conference on Bose-Einstein condensation, San Feliu, Spain, 9/13/99.

17. *Probing Bose-Einstein condensates with optical Bragg scattering.*
(Talk by D.M. Stamper-Kurn)

73th Bunsen Colloquium for Physical Chemistry, Heidelberg, Germany, 10/16/1999.

19. *What does a Bose-Einstein condensate look like?*

Inspired by Herzberg: Spectroscopy for the Year 2000, Symposium in memory of Gerhard Herzberg, Cornwall, Ontario, Canada, 10/30 – 11/3.

1998

1. *Bose-Einstein condensation of sodium atoms and the realization of an atom laser.*
(Talk by H.-J. Miesner)

ITP Conference on Bose-Einstein Condensation, Institute for Theoretical Physics, Santa Barbara, March 30 - April 4, 1998.

3. *Optical Confinement of Bose-Einstein Condensates and the Observation of Feshbach Resonances.*
ITP Conference on Bose-Einstein Condensation, Institute for Theoretical Physics, Santa Barbara, March 30 - April 4, 1998 (Talk by J. Stenger).

5. **Recent Results on Bose-Einstein condensation**  

6. **The new physics of optically trapped Bose-Einstein condensates**  
   Symposium on Quantum Fluids and Solids (QFS 98), Amherst, Massachusetts, June 9-14, 1998.

7. **The new physics of optically trapped Bose-Einstein condensates**  
   Workshop Quantengase, Insel Reichenau (Konstanz), June 22-24, 1998 (Talk by J. Stenger).

8. **Making, probing and understanding Bose-Einstein condensates.**  
   Four lectures at the Summer School on Bose-Einstein condensation in atomic gases, International School of Physics “Enrico Fermi”, Varenna, Italy, July 7-18, 1998.

9. **Bose-Einstein condensation, atomic coherence and the atom laser.**  
   Sixth European Conference on Atomic and Molecular Physics (ECAMP VI), Siena, Italy, 14-18 July 1998.

10. **Experiments with optically confined Bose-Einstein condensates**  

11. **New experiments with optically confined Bose-Einstein condensates**  

12. **Recent advances in Bose-Einstein condensation.**  

13. **The new physics of optically trapped Bose-Einstein condensates.**  
    Annual meeting of the section for atomic physics ad quantum electronics of the Dutch physical society, Lunteren, 5-6 November 1998.

**1997**

1. **Bose-Einstein Condensation in a Weakly Interacting Gas - Basics and Recent Results**  
   Winter Colloquium on the Physics of Quantum Electronics, Snowbird, Utah, 1/12-15.

2. **Bose-Einstein Condensates: Laser-like Atoms**  
   Workshop on Bose-Einstein Condensation, Auckland, New Zealand, Feb. 11-12 (Talk by M.-O. Mewes).

3. **Experiments with a degenerate Bose gas**  
   Photonics West, SPIE Conference 2995 (Atom Optics), San Jose, California, Feb. 10-12 (Talk by C.G. Townsend)

4. **Bose-Einstein-Kondensate - eine neue Form der Quantenmaterie**  
   Spring Meeting of the German Physical Society Meeting, Mainz, March 3-6 (Talk by M.-O. Mewes).
5. **Bose-Einstein Condensation in Trapped Atomic Na.**
   APS March Meeting, Kansas City, March 16.

6. **Bose-Einstein-Kondensate - eine neue Form von Quantenmaterie.**
   Annual Meeting of the German Physical Society, Munich, March 18.

7. **Bose-Einstein Condensates - “Laser-like” Atoms.**

8. **Experimental observations on BEC.**
   Mini-Symposium on Bose-Einstein Condensation, Helsinki, Finland 3/26-27.


10. **Latest results in Bose-Einstein condensation.**
    Quantum Electronics and Laser Science Conference (QELS), Baltimore, May 18-23.

11. **Single-Mode Atoms: Bose-Einstein Condensation and the Atom Laser.**

12. **Experimental Studies of a New Quantum Fluid: Bose-Einstein Condensation of Sodium Atoms**
    European Research Conference on Bose-Einstein Condensation, II Ciocco, Italy, July 12-17, 1997.

13. **Recent experimental results with Bose condensed atoms**


15. **Matter made of matter waves: Bose-Einstein condensation and the atom laser**

16. **When atoms behave as waves: Bose-Einstein condensation and the atom laser.**

17. **When atoms behave as waves: Bose-Einstein condensation and the atom laser.**

1996

1. **Bose-Einstein-Kondensation in ultrakalten atomaren Gasen**
   Annual Meeting of the German Physical Society, Regensburg, Germany, March 25-29.

2. **Observation of Bose-Einstein condensation in a gas of sodium atoms**
   Workshop on “Collective effects in ultracold atomic gases”, Les Houches, France, April 1-5.
3. Observation of Bose-Einstein condensation in ultracold atomic gases
   15th General Conference of the Condensed Matter Division of the European
   Physical Society, Baveno-Stresa, Italy, April 22-25.

4. BEC: identiteitscrisis voor atomen
   Spring Meeting Nederlands Natuurkundige Vereniging (Dutch Physical Society),
   Utrecht, The Netherlands, April 16 (Talk by N.J. van Druten).

5. Bose-Einstein condensation in a gas of sodium atoms
   DAMOP, 1996 Annual Meeting of the Division of Atomic, Molecular and Optical
   Physics, Ann Arbor, MI, May 15-18.

6. Bose-Einstein condensation in a gas of sodium atoms
   DAMOP, 1996 Annual Meeting of the Division of Atomic, Molecular and Optical
   Physics, Ann Arbor, MI, May 15-18, AMO Thesis Award Symposium (Talk by K.
   Davis).

7. Bose-Einstein condensation of sodium atoms
   CLEO/QELS’96, Anaheim, California, June 5 (Talk by N.J. van Druten).

8. Bose-Einstein Condensation of Dilute Atomic Gases
   Gordon Conference on Laser Interactions with Materials, Plymouth, New
   Hampshire, June 9-14.

9. Bose-Einstein condensation in an almost ideal gas
   CAP 96, Canadian Association of Physicists, 51st Annual Congress, Ottawa,
   Canada, June 16-19.

10. BEC and prospects for precision measurements
    Conference on Precision Electromagnetic Measurements (CPEM ’96),
    Braunschweig, Germany, June 18 (Talk by N.J. van Druten).

11. Bose-Einstein condensation in a gas of sodium atoms
    XX International Quantum Electronics Conference IQEC’96, Sydney, Australia, July
    14-19.

12. Properties of a weakly interacting BEC.
    U.S. Workshop on Bose-Einstein Condensation, JILA, Boulder, Colorado,
    July 29-31 (Talk by M.-O. Mewes)

13. Bose condensates - a new form of quantum matter
    ZICAP - 15th International Conference on Atomic Physics, Amsterdam, Aug. 5-9.

    XXIth International Conference on Low Temperature Physics (LT 21) 1996, Prague,
    Czech Republic, Aug. 8-14.

15. What is Bose-Einstein Condensation (BEC)?

16. Bose-Einstein condensation in a gas of sodium atoms
    CLEO/Europe - EQEC’96, Hamburg, Germany, Sept. 8-13.
17. Bose-Einstein condensation in a gas of sodium atoms  
   General meeting of the European Physical Society (EPS-10), Sevilla (Spain), Sept. 12.

   1996 OSA Annual Meeting.

19. Bose-Einstein Condensation  
   Symposium on Frontiers of Science, National Academy of Sciences, Irvine, California, Nov. 7-9.

1995

1. Evaporative cooling of magnetically trapped sodium  
   DAMOP, 1995 Annual Meeting of the Division of Atomic, Molecular and Optical Physics, Toronto, May 16-19.

2. Evaporative cooling of magnetically trapped sodium atoms  

3. Evaporative Cooling of Sodium Atoms  

4. Evaporative Cooling of Sodium Atoms  

5. Bose-Einstein condensation of sodium atoms  
   Fall meeting of the Section “Atomic Physics and Quantumelectronics” of the Nederlandse Natuurkundige Vereniging (Dutch Physical Society), Lunteren, The Netherlands, Nov. 17 (Talk by N.J. van Druten).

1994

1. Cooling and trapping of neutral atoms  

2. Dark cold atoms at high densities  

1993

1. Dark spontaneous-force optical trap  
   OSA Annual Meeting, Toronto, Canada, October 3-8.

2. Kalte Atome hoher Dichte - neue (und alte) Perspektiven  

   Annual Meeting of the German Physical Society, Berlin, Germany, March 15-19.
4. *Towards higher densities of cold atoms: Intense slow atom beams and dark light traps*