# Presentations 2006

| 0 | Date | Place | Type of talk | Speaker | Title |
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| 1 | 1/16 | Aspen, CO | Invited talk, workshop on Strong Correlations in Ultra-Cold Fermi Systems | M. Zwierlein | Fermionic Superfluidity with Mismatched Spin Populations and the Quantum Phase Transition to the Normal State |
| 2 | 2/6 | Worcester | WPI colloquium | WK | New forms of quantum matter near absolute zero temperature |
| 3 | 2/9 | Cambridge, MA | Amigos Middle School | WK | |
| 4 | 2/27 | Uconn, Storrs | Seminar | C. Schunck | Fermionic superfluidity with imbalanced spin populations and the quantum phase transition to the normal state |
| 5 | 3/6 | Lake Forest | Lake Forest College, Volwiler Lecture | WK | When freezing cold is not cold enough - new forms of matter close to absolute zero temperature |
| 6 | 3/7 | Argonne | ANL Physics Colloquium | WK | New forms of quantum matter near absolute zero temperature |
| 7 | 3/8 | University of Chicago | Seminar | WK | Observation of High-Temperature Superfluidity in a Gas of Fermionic Atoms |
| 8 | 3/9 | University of Illinois | Colloquium | WK | Observation of High-Temperature Superfluidity |

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| | | | | | in a Gas of Fermionic Atoms |
| 9 | 3/29 | Dresden | Invited talk, workshop on Cold Atoms Meet Condensed Matter | WK | Observation of High-Temperature Superfluidity in a Gas of Fermionic Atoms |
| 10 | 3/27 | Dresden | Invited talk, Symposium “Superfluidity”, DPG/EPS-Meeting | M. Zwierlein | High-Temperature Superfluidity in an Ultracold Fermi Gas |
| 11 | 4/7 | Atlanta. Georgia Tech | "Frontiers in Physics" Lecture | WK | New forms of quantum matter near absolute zero temperature |
| 12 | 4/27 | Princeton University | Colloquium | WK | New forms of quantum matter near absolute zero temperature |
| 13 | 5/4 | Columbus, Ohio State University | 44th Alpheus Smith Lecture | WK | When freezing cold is not cold enough --- new forms of matter close to absolute zero temperature |
| 14 | 5/5 | Columbus, Ohio State University | Condensed Matter Seminar | WK | Strongly interacting dilute atomic gases: Bosons in optical lattices, and high-temperature superfluidity in a gas of fermions |
| 15 | 5/23 | Airlie Center, MD | Invited talk, NASA workshop “From Quantum to Cosmos” | WK | New forms of quantum matter near absolute zero temperature |
| 16 | 5/16-5/20 | Knoxville, TN | DAMOP meeting Contributed talk | C. Schunck | Superfluid Expansion of a Rotating Fermi Gas |
| 17 | 5/16-5/20 | Knoxville, TN | DAMOP meeting Contributed talk | Yong-Il Shin | Direct Observation of Resonance Condensation |

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| | | | | | in Imbalanced Fermi Mixtures |
| 18 | 5/16-5/20 | Knoxville, TN | DAMOP meeting Contributed talk | Yong-Il Shin | Fermionic Superfluidity with Imbalanced Spin Populations and the Quantum Phase Transition to the Normal State |
| 19 | 5/16-5/20 | Knoxville, TN | DAMOP meeting Poster | G. Campbell | Imaging the Mott insulator shells using atomic clock shifts |
| 20 | 5/16-5/20 | Knoxville, TN | DAMOP meeting Contributed talk | T. Pasquini | Quantum Reflection of Bose-Einstein Condensated from nano-pillars |
| 21 | 5/16-5/20 | Knoxville, TN | DAMOP meeting Contributed talk | S. Doret | Generation of large clouds of ultracold metastable helium |
| 22 | 5/16-5/20 | Knoxville, TN | DAMOP meeting Contributed talk | J. Mun | Parametric Amplification of Scattered Atom Pairs |
| 23 | 5/16-5/20 | Knoxville, TN | DAMOP meeting Contributed talk | Y. Liu | Observation of Strong Quantum Depletion in a Gaseous Bose-Einstein Condensate |
| 24 | 5/16-5/20 | Knoxville, TN | DAMOP meeting Contributed talk | E. Streed | Continuous and Pulsed Quantum Zeno Effect |
| 25 | 5/16-5/20 | Knoxville, TN | DAMOP meeting Contributed talk | P. Medley | Atom trapping with a thin magnetic film |
| 26 | 5/16-5/20 | Knoxville, TN | DAMOP meeting Contributed talk | C. Christensen | Atom Quantum Interference Device |
| 27 | 5/16-5/20 | Knoxville, TN | DAMOP meeting Contributed talk | G-B Jo | Interference of Bose-Einstein Condensates on |

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| | | | | | an Atom Chip |
| 28 | 5/16-5/20 | Knoxville, TN | DAMOP meeting<br>Contributed talk | A. Schirotzek | High-Temperature superfluidity in an ultracold Fermi gas |
| 29 | 5/16-5/20 | Knoxville, TN | DAMOP meeting, invited talk, thesis prize session | Y. Shin | The Relative Phase of Two Spatially Separate Bose-Einstein Condensates |
| 30 | 6/20, 6/21, 6/22 | Varenna, Italy | Enrico Fermi Summer School on Ultracold Fermi Gases | WK | Ultracold Fermi gases – from the experimenters' perspective, 3 lectures |
| 31 | 7/10, 7/13, 7/14 | Innsbruck, Austria | ICAP Summer School | WK | Ultracold gases – from the experimenters' perspective, 3 lectures, |
| 32 | 7/16-7/21 | Innsbruck, Austria | ICAP<br>Invited talk | WK | Superfluidity in a Gas of Fermionic Atoms |
| 33 | 7/16-7/21 | Innsbruck, Austria | ICAP, Poster contribution | S. Will | Ultracold Atoms in a Hollow Core Photonic Bandgap Fiber |
| 34 | 7/16-7/21 | Innsbruck, Austria | ICAP, Poster contribution | J.K. Chin | Fermionic Superfluidity in an Optical Latice |
| 35 | 7/16-7/21 | Innsbruck, Austria | ICAP, Poster contribution | P. Medley | Imaging the Mott insulator shells using atomic clock shifts |
| 36 | 7/16-7/21 | Innsbruck, Austria | ICAP, Poster contribution | G.B. Jo | Observation of Long Coherence time of split condensates on an atom chip |
| 37 | 7/16-7/21 | Innsbruck, Austria | ICAP, Poster contribution | C. Christensen | Quantum Reflection of BEC |
| 38 | 8/4 | MIT | TOPS program | WK | When freezing cold is not |

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| | | | | | cold enough - new forms of matter close to absolute zero temperature |
| 39 | 9/15 | University of Connecticut, Storrs | 10th Katzenstein Distinguished Lecture | WK | New forms of matter close to absolute zero temperature |
| 40 | 9/22 | Mainz, Germany | Colloquim | WK | Ultracold atoms - dilute gases with strong interactions |
| 41 | 10/17 | Paris | European Optical Society, Plenary Talk | WK | New forms of quantum matter near absolute zero temperature |
| 42 | 11/2 | University of Wisconsin, La Crosse | Distinguished Lecture Series | WK | Bose-Einstein Condensates – the Coldest Matter in the Universe |
| 43 | 11/3 | University of Wisconsin, La Crosse | Physics Colloquium | WK | New forms of quantum matter near absolute zero temperature |
| 44 | 11/8 | University of Massachusetts, Lowell | Physics Colloquium | WK | New forms of quantum matter near absolute zero temperature |
| 45 | 12/1 | University of Kentucky, Lexington | Physics Colloquium | WK | Ultracold Atoms – Dilute Gases with Strong Interactions |
| 46 | 12/12 | Dresden, Germany | Public Lecture | WK | Vom heißen Urknall zum absoluten Nullpunkt – Grenzgebiete der Physik |