

April 2005 Meeting in Tampa, Florida
History Forum Sessions

INVITED PAPER SESSIONS

April 16, Session C5: Quantum Optics Through the Lens of History Chair Daniel Greenberger, CCNY

Leonard Mandel and Experimental Tests of Quantum Mechanics, Joan Lisa Bromberg, Johns Hopkins U

Quantum Optics from the Beginning—Reflections from Rochester, Joseph H. Eberly U of Rochester

From Bohm to Aspect: Philosophy Enters the Optics Laboratory Invited, Olival Freire, Federal University of Bahia, Salvador, Brazil and Dibern Institute, MIT

April 17, Session J5: Einstein and Friends Chair: Robert H. Romer, Amherst College

Einstein and Besso, Michel Janssen, U of Minnesota

Einstein, Mach, and the Fortunes of Gravity, David Kaiser, MIT

Einstein and Bose, Kameshwar C. Wali, Syracuse U

April 19, Session X13: The Rise of Megascience Chair Adrienne Kolb, Fermilab

Megascience on the Prairie: The Powers and Paradoxes of Pushing Frontiers at Fermilab (The Gertrude Scharff-Goldhaber Lecture), Lillian Hoddeson, U of Illinois at Urbana-Champaign

Submicroscopic Nature Needs Megascience, Leon Lederman, Illinois Math & Science Academy

April 18, Session T6: Joint Session Co-Sponsored by FHP and the Forum on Physics and Society Chair Joel Primack, UC Santa Cruz

Pais Prize Lecture: Physics, History, and the History of Physics, Martin J. Klein, Yale University

Burton Award Lecture: Science Under Attack: Intelligent Design, Lawrence Krauss, Case Western Reserve U

Leo Szilard and the Role of Physicists in Countering Nuclear Threats, Daniel Kleppner, MIT

Current Nuclear Threats and Possible Responses, Frederick K. Lamb, U of Illinois at Urbana-Champaign

The Impact of the APS Study and the Future of Boost-Phase Defense Against Ballistic Missiles, David E. Mosher, RAND, Washington, DC

Technical Approaches to Reducing the Threat of Nuclear Terrorism, William C. Priedhorsky, Los Alamos National Lab

CONTRIBUTED PAPER SESSIONS

April 17, Session K11: History of Physics I Chair: Kenneth Ford, Retired

The Rotational Specific Heat of Molecular Hydrogen in the Old Quantum Theory, Clayton Gearhart, St. John's

University (Minnesota)

To Wise King Ehrenfest: Humorous Writings by Oskar Klein and Others from 1930s Copenhagen, Paul Halpern, U of the Sciences in Philadelphia and Haverford College

Historic Objections to the Copenhagen Interpretation of Quantum Mechanics—How They Veered Close to Chaos Theory, Wm. C. McHarris, Michigan State U

Likelihood of Women vs. Men to Receive Bachelor's Degrees in Physics at Stanford, 1900-1929, Anthony Nero, Lawrence Berkeley National Lab

April 18, Session R13: History of Physics II Chair Roger H. Stuewer, U of Minnesota

Plato's Timaeus and Modern Particle Physics, Ruprecht Machleidt, U of Idaho

Early Radium Experiments in Guadalajara, Mexico, Durruty Jesus de Alba Martinez, Inst. de Astronomia y Meteorologia, CUCEI, Universidad de Guadalajara

U.S. Scientists and the Chinese Reception of Relativity, Danian Hu, The City College of New York

Disaster Scenarios at Nuclear Accelerators, Joseph Kapusta, U of Minnesota

April 18, Session U11: History of Physics III Chair: Robert H. Romer, Amherst College

My Half-Hour with Einstein, Robert H. Romer, Amherst College

Did Heisenberg Spit at Max Born?, Harry Lustig, City College of CUNY

The Rayleigh Papers, Thomas Miller, Hanscom AFB; Benjamin Bederson, NYU

On The Hilbert-Einstein Priority Dispute, Friedwardt Winterberg, U of Nevada, Reno