

Princeton University · Department of Physics

Donald Ross Hamilton Memorial Lecture Series

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| October 12, 1972 | Victor Weisskopf
"The Role of Science in Today's Culture" |
| November 1, 1973 | Harvey Brooks
"Are Scientists Obsolete?" |
| March 20, 1975 | Rudolph Peierls
"Recollections of the Early Days of Quantum Mechanics" |
| March 17, 1976 | Sheldon Glashow
"Quarks: Are They the Ultimate Constituents of Matter?" |
| March 2, 1977 | Frank Press
"The Science and Politics of Earthquake Predictions" |
| April 12, 1978 | W.H.K. Panofsky
"The New Spectroscopy" |
| April 10, 1979 | I.I. Rabi
"Science at the Crossroads" |
| April 22, 1981 | Luis Alvarez
"Asteroids and Dinosaurs" |
| April 29, 1982 | Lyman Spitzer
"Space Telescope, Eye on the Universe" |
| May 9, 1983 | Carlo Rubbia
"Searching for the Carrier of the Weak Force" |
| May 10, 1984 | John J. Hopfield
"The Physics of Biological Memory" |
| April 30, 1985 | Subrahmanyan Chandrasekhar
"Gravitational Collapse and the Problem of Singularities in General Relativity" |
| April 22, 1986 | Robert H. Dicke
"Experimental Physics is Fun: Recollections" |
| April 28, 1987 | Sidney D. Drell
"Arms Control & Star Wars" |
| April 12, 1988 | Frank Wilczek
"Scale Invariance: It's Not How Big You Are But How Fast You Reproduce Yourself" |
| April 25, 1989 | Martin L. Perl
"Electron, Muon, and Tau: Diversity in Discovery" |

March 9, 1990 **Michael E. Fisher**
"Universality and Singularity: Phase Transitions and our Understanding of the Physical World"

April 2, 1991 **Norman Ramsey**
"Time and the Physical Universe"

March 10, 1992 **Abraham Pais**
"American Science & World War II"

March 30, 1993 **Steven M. Girvin**
"The Quantum Hall Effect: Universal Physics from Dirty Devices."

May 11, 1995 **Philippe Nozières**
"Is Many Body Physics a Settled Issue?"

April 19, 1996 **Daniel Kleppner**
"Views from a Garden of Worldly Delights"

December 9, 1997 **Jocelyn Bell Burnell**
"In Pursuit of Pulsars – 30 Years On!"

May 5, 1999 **Sir Martin Rees**
"Understanding the Beginning and the End: Our Universe and Others"

March 2, 2000 **Charles H. Townes**
"The Sociology of Science Illustrated by the Laser"

April 16, 2001 **Gerard 't Hooft**
"Quantum Field Theory, the Gravitational Force, and the Future of Quantum Mechanics"

March 14, 2002 **Dava Sobel**
"Galileo: Working Scientist"

April 22, 2003 **Lawrence Krauss**
"Einstein's Biggest Blunder: A Cosmic Mystery Story"

April 26, 2004 **Herman Wouk**
"A Hole in Texas" - A Novel view of the Supercollider

April 29, 2005 **David J. Gross**
"The Future of Physics"

March 30, 2006 **Steven Chu**
"The energy problem: Our current choices and future hopes"

April 12, 2007 **N. David Mermin**
"Spooky Actions at a Distance?"

March 27, 2008 **Arthur B. McDonald**
"A Deeper Understanding of the Universe from 2km Underground"

- April 7, 2009 **Larry Abbott**
"Sense from Chaos: Phase Transitions in Neural Activity"
- April 8, 2010 **Sir John Pendry**
"A Cloak of Invisibility: Harry Potter Does Electromagnetism"
- February 2, 2011 **Sir Michael Berry**
"Making light of mathematics"
- February 9, 2012 **Leo Kadanoff**
"Making a Splash, Breaking a Neck: The Development of Complexity in Physical Systems"
- April 25, 2013 **Joe Incandela**, UC Santa Barbara and CERN
"The Search for the Higgs Boson – Discovery at the LHC"
- April 3, 2014 **Samuel Ting**, MIT
"The Latest Results from the Alpha Magnetic Spectrometer on the International Space Station"
- April 30, 2015 **Deborah Jin**, JILA, University of Colorado
"Fun with Ultra Cold Atoms"
- April 7, 2016 **Gary Horowitz**, UC Santa Barbara
"Strange Views of Space and Time: From Einstein to String Theory"