



The Physics Department cordially invites you
to be present at a

MEMORIAL SYMPOSIUM
in honor of

VERNON WILLARD HUGHES

1921–2003

Sterling Professor of Physics Emeritus



November 14-15, 2003

Sloane Physics Laboratory
217 Prospect Street, New Haven, CT 06520

<p>Friday, November 14, 2003 Sloane Physics Laboratory, 217 Prospect St., Room 59</p>		<p><u>Session II</u></p>		<p>Saturday, November 15, 2003 Sloane Physics Laboratory, 217 Prospect St., Room 59</p>	
9:00 a.m.	<p>Welcome Susan Hockfield Provost, Yale University</p>	Session Chairman	<p>Jack Sandweiss Donner Professor of Physics, Yale University</p>		<p><u>Session III</u></p>
9:15 a.m.	<p>Introductory Remarks Francesco Iachello Josiah W. Gibbs Professor of Physics and Professor of Chemistry, Yale University</p>	2:20 p.m.	<p>The Alpha Magnetic Spectrometer Experiment on the International Space Station Samuel Ting Thomas Dudley Cabot Professor of Physics, Massachusetts Institute of Technology</p>	Session Chairman	<p>Thomas W. Appelquist Eugene Higgins Professor of Physics, Yale University</p>
	<p><u>Session I</u></p>	3:00 p.m.	<p>Discovery of Muonium – The Early Experiments Richard Prepost Professor of Physics, University of Wisconsin</p>	9:00 a.m.	<p>The Spin of the Proton Robert L. Jaffe Morningstar Professor of Physics, Massachusetts Institute of Technology</p>
Session Chairman	<p>Charles Baltay Eugene Higgins Professor of Physics and Professor of Astronomy, Yale University</p>	3:40 p.m.	<p>Muonium Lifetime and Heavy Quark Decays William J. Marciano Senior Scientist, Brookhaven National Laboratory</p>	9:40 a.m.	<p>The Spin Structure of the Nucleon: A Hughes Legacy Gordon D. Cates Professor of Physics, University of Virginia</p>
9:30 a.m.	<p>The Neutron Electric Dipole Moment Norman Ramsey Higgins Professor of Physics Emeritus, Harvard University</p>	4:50 p.m.	<p>Recent Theoretical Developments in Muon and Electron ($g-2$) Toichiro Kinoshita G. Smith Professor of Physics Emeritus, Cornell University</p>	10:40 a.m.	<p>Muon $g-2$: The Last Word? Ernst Sichtermann Division Fellow, Lawrence Berkeley National Laboratory</p>
10:40 a.m.	<p>Ultra Precise Optical Spectroscopy Theodor W. Haensch Professor of Physics, Max Planck Institute for Quantum Optics, Garching</p>	7:00 p.m.	<p>Symposium Banquet The New Haven Lawn Club, 193 Whitney Avenue</p>	11:20 a.m.	<p>The Past, Present and Future of Muonium Klaus P. Jungmann Professor of Physics, University of Groningen</p>
11:20 a.m.	<p>The 46 years of muon ($g-2$) Francis Farley Visiting Senior Research Scientist, Yale University</p>		<p>D. Allan Bromley, Presiding Sterling Professor of the Sciences, Yale University</p>		<p><u>Session IV</u></p>
12:00 p.m.	<p>Vernon Hughes: Valued colleague & friend Jack Steinberger Staff Member, CERN (retired)</p>		<p>On Vernon Hughes Gisbert zu Putlitz Professor of Physics, University of Heidelberg</p>	Session Chairman	<p>Michael Zeller Henry Ford II Professor of Physics, Yale University</p>
				2:00 p.m.	<p>Parity Violation in Moller Scattering Emlyn W. Hughes Professor of Physics, California Institute of Technology</p>
				2:40 p.m.	<p>Exploring the Nucleon Spin: The Next Decade Abhay L. Deshpande RIKEN Fellow, Brookhaven National Laboratory</p>
				3:20 p.m.	<p>Closing</p>