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# DEPARTMENT OF PHYSICS

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UNIVERSITY OF MARYLAND

[www.physics.umd.edu](http://www.physics.umd.edu)

## **SCHEDULE OF COLLOQUIA**

**Fall 2005**

DEPARTMENT OF PHYSICS  
COLLEGE PARK, MD 20742

<http://www.physics.umd.edu/events/colloquia/>

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Department of Physics  
University of Maryland  
College Park, Maryland 20742

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# FALL 2005 SCHEDULE OF COLLOQUIA

UNIVERSITY OF MARYLAND DEPARTMENT OF PHYSICS

- 09/06/05 **Sankar Das Sarma**, University of Maryland  
*Tidbits About Qubits: Spin Computation in Nanostructures*
- 09/13/05 **Wolfgang Losert**, University of Maryland  
*Physics of Cell Motility*
- 09/20/05 **Richard Ellis**, University of Maryland  
*Supersonically Rotating Plasmas for Magnetic Fusion Energy*
- 09/27/05 **Sheldon Glashow**, Harvard University\*  
*The Particle and the Universe*
- 10/04/05 **Zheng-Tian Lu**, Argonne National Laboratory  
*Atom Trap, Krypton-81, and Saharan Water*
- 10/11/05 **Thomas Cohen**, University of Maryland  
*How the Hedgehog was Harried and Other Fables From the Land of Pentaquarks*
- 10/18/05 **Daniel Lathrop**, University of Maryland  
*Laboratory Models of Geophysical and Astrophysical Flows*
- 10/25/05 **Gregory Sullivan**, University of Maryland  
*A New Window on the Universe: Neutrino Astronomy at the South Pole*
- 11/01/05 **Howard Milchberg**, University of Maryland  
*Big Science (In a Small Room) With Extremely Intense Lasers*
- 11/08/05 **David Corey**, Massachusetts Institute of Technology  
*TBD*

- 11/15/05 **Gianni Fiorentini**, University of Ferrara  
*Geo-Neutrinos: A New Probe of the Earth's Interior*
- 11/22/05 **J.C. Seamus Davis**, Cornell University  
*Atomic-Resolution "Mottness Mapping" in Lightly Hole-Doped Cuprates*
- 11/29/05 **Ian Shipsey**, Purdue University  
*Cochlear Implants: A Technical and Personal Account*
- 12/06/05 **Michael Naughton**, Boston College  
*Physics of Molecular Organic Conductors*

ALL COLLOQUIA ARE FREE OF CHARGE AND ARE HELD IN THE  
PHYSICS LECTURE HALL (1410 PHYSICS BLDG.) AT 4:00 PM ON TUESDAYS,  
UNLESS OTHERWISE INDICATED.

Colloquia are preceded by refreshments at the same location, beginning at 3:30 PM. Both events are open to the public. There is a modest charge for refreshments.

Parking is available in Parking Garage 2 (PG2), across the street from the Physics Lecture Hall. An attendant will give you a parking permit at the garage. For further information, please call the Physics Department at 301.405.3401 or visit:

[www.physics.umd.edu/events/colloquia](http://www.physics.umd.edu/events/colloquia)

\* The colloquium given by Dr. Glashow is part of the University of Maryland's celebration of the World Year of Physics, the centennial anniversary of Einstein's magical year. For more information about special events for this celebration, please visit:

[www.physics.umd.edu/Physics2005](http://www.physics.umd.edu/Physics2005)