

Department of Physics
University of Maryland
College Park, MD 20742
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DEPARTMENT OF PHYSICS

UNIVERSITY OF MARYLAND

www.physics.umd.edu

SCCHEDULE OF COLLOQUIA

Fall 2007

College Park, MD 20742

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

FALL 2007 SCHEDULE OF COLLOQUIA

UNIVERSITY OF MARYLAND DEPARTMENT OF PHYSICS

September 11

Dan Ralph, Cornell University

Dynamics and Spectroscopy in Nanoscale Magnetic Devices

November 13

Robert Grober, Yale University

When Obsessions Collide: Physics and Golf

September 18

Paulo Bedaque, University of Maryland

Quarks, Gluons and Nuclear Forces

November 20

Richard Slusher, Georgia Tech Research Institute

Designing Large Entangled Trapped Ion States

September 25

Mike Syphers, Fermi National Accelerator Laboratory

Accelerating Charged Particles to High Energy— Past, Present and Future

November 27

Wojciech Zurek, Los Alamos National Lab

Relative States and the Environment: Quantum Theory of the Classical

October 02

Boris Altshuler, Columbia University

Many-Body Localization

December 04

Sean Carroll, California Institute of Technology

Why is the Past Different from the Future?

October 09

Anatoly Spitkovsky, Princeton University

Magnetic Fields and Particle Acceleration in Collisionless Shocks

December 11

Christopher Monroe, University of Maryland

Quantum Networks and Atomic Action At-a-Distance

October 16

Aharon Kapitulnik, Stanford University

Search for Broken Time-reversal Symmetry States in Novel Superconductors

**ALL COLLOQUIA ARE FREE OF CHARGE AND ARE HELD IN THE
PHYSICS LECTURE HALL (1410 PHYSICS BUILDING)
AT 4:00 PM ON TUESDAYS**

October 23

Sankar Das Sarma, University of Maryland

Computing with Quantum Knots: Non-Abelian Anyons and Topological Quantum Computation

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.

October 30

Steve Fetter, University of Maryland

Climate Change and the Future of Nuclear Energy

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 301.405.5946 or visit:

www.physics.umd.edu/events/colloquia

November 06

Kevin Lesko, Lawrence Berkeley National Laboratory

Underground Science Opportunities at Sanford Laboratory: Status of South Dakota/NSF Efforts Towards a Deep Underground S & E Lab at Homestake