

THE UNIVERSITY OF MARYLAND DEPARTMENT OF PHYSICS
PROUDLY PRESENTS
THE 2011-2012 PUBLIC DEMONSTRATION PROGRAM SERIES

PHYSICS IS PHUN

Welcome to the 30th year of PHYSICS IS PHUN, hosted by Dr. Matthew Bobrowsky and the staff of the Physics Lecture-Demonstration Facility, assisted by numerous invaluable volunteers. These free public programs, which present physics at the high school level through the use of demonstrations, aim to educate, inform, and entertain. Interactive experiments will be available with volunteer supervision 30 minutes before each program. Each program is presented three times, on a Thursday, Friday, and Saturday.

2011 October 20, 21, 22: Illusions

Come see illusions and magic tricks involving physics. Observe illusions with flat and curved mirrors (including anamorphic art); mirages; and impossible figures such as Schroeder's staircase.

2012 January 5, 6, 7 (Snow dates Jan. 12, 13): The Atom

All about atomic structure, atomic spectra, and other kinds of light emitted by atoms. See fluorescence, phosphorescence, the photoelectric effect, and a multitude of laser phenomena! Everyone who attends will get a piece of diffraction grating (to keep!) that can be used to analyze any source of light.

2012 March 8, 9, 10: Color

Delve into demonstrations of color, color mixing, and color vision. See non-spectral colors — colors that are not in the rainbow! Observe the Land Effect, and be amazed by “greener than green”!

2012 May 3, 4, 5: Greatest Hits of Physics Demonstrations

A collection of our best demonstrations, including the mysterious psychoacoustic vibration transducer, the lovely laser waterfall, and the infamous "eight ways to smash a can." Vote for your favorite!



Directions

**Doors open 7:00 PM for hands-on activities,
Program 7:30-8:30 PM**

Physics Department Lecture Halls, Physics Building
University of Maryland, College Park, MD 20742

For directions: <http://bit.ly/phun-directions>
For further information, call 301-405-6045, visit
<http://bit.ly/phun-outreach>, or send e-mail to: msb@umd.edu
To volunteer, call 301-405-5982 or send e-mail to:
Lohara@umd.edu



Additional Info