

This Week in Physics

SYRACUSE UNIVERSITY
College of Arts & Sciences

Week of

November 3, 2008

[http://www.phy.syr.edu/
SeminarsEvents.htm](http://www.phy.syr.edu/SeminarsEvents.htm)

DEPARTMENT OF PHYSICS

201 Physics Building
Syracuse NY 13244-1130

Phone: 315-443-3901
Fax: 315-443-9103
Email: davis@phy.syr.edu

THURSDAY, NOVEMBER 6

Colloquium

4:00 PM, Rm 202 (refreshments 3:30 PM, Rm 204)

Prof. Mark Chen (Queens University)

Particle Astrophysics at SNOLAB

The Sudbury Neutrino Observatory has completed its studies of solar neutrino interactions in heavy water. Though things are winding down with SNO, a thriving particle astrophysics program in Canada is its legacy. The follow-up experiment to SNO is SNO+, with a liquid scintillator replacing the heavy water in the detector. New science goals are: low energy solar neutrinos, geoneutrinos and the search for neutrinoless double beta decay. The expansion of the underground facility in the mine near Sudbury, called SNOLAB, will include several experiments searching for dark matter. A review of these activities will be presented.

FRIDAY, NOVEMBER 7

Condensed Matter/Biological Physics Seminar

11:00 AM, Rm 202

Prof. William Irvine (Center for Soft Matter Research, NYU)

TBA

