

CU PHYSICS DEPARTMENT COLLOQUIUM

Monday, November 24, 2008 4:10 PM 428 Pupin Hall



Joseph Formaggio, MIT

When Going Underground, Remember the Sunscreen

The properties of neutrinos have been eluding scientists for over four decades. Making use of massive experiments buried deep underneath the Earth's surface, experimentalists have shed light on the nature of this elusive particle by providing overwhelming evidence that neutrinos from the sun undergo oscillations the quantum mechanical process by which a neutrino of one type spontaneously changes into another due to its mass. The talk will review the journey taken by physicists to learn about neutrinos and provide an outlook on how future experimental endeavors hope to reveal even more about neutrinos and neutrino mass.

Hosted by Mike Shaevitz

Meet the Speaker at 3:00 PM in 705 Pupin

