

Adventures in Physics

Neutrino Astronomy

January 21, 2017
1:00 - 3:00pm

UCI Physical Sciences Lecture Hall (PSLH)

*This exciting physics
show and lecture will
entertain children and
adults!*



- 1:00** | Professor Bill Heidbrink and his team will kick off the show demonstrating concepts involving Newton's laws and momentum. Learn about mass, velocity, and conservation of momentum. Watch cannons explode and rockets launch, then participate in educational hands-on activities.
- 2:00** | Professor Steven Barwick braves the fierce wind chill of the South Pole to capture one of science's most elusive prey: **neutrinos**. These ghostly particles could carry secrets from the depths of the universe and only big powerful telescopes can detect them. Professor Barwick has spent over 25 years developing new kinds of telescopes that detect neutrinos in Antarctica. Come learn about his adventures living and working in remote places in Antarctica!
- 3:00** | UCI students will host a Q&A session about life in college.

This event honors the legacy of John Rosendahl, Instructional Programs Director in the UCI Department of Physics & Astronomy from 1987 – 2012. He created memorable lecture demonstrations that were seen by more than 50,000 students, and conducted physics assemblies for K-12 schools.

RSVP by January 18 at ps.uci.edu/adventuresinphysics