The meeting will take place in Willamette Hall
University of Oregon, Eugene Oregon
Host: Stanley Micklavzina and the UofO SPS
stanm@uoregon.edu, 541-346-4801

Friday Aril 11:
6:30 - 8:00 Pizza Social Time: Physics Reading Room Willamette Hall.
8:00 - 9:00 Public Physics Demo Show Room 100 Willamette Hall

Saturday April 12: Willamette Hall Atrium.
8:30 - 9:00 Registration, Breakfast (Provided) and Poster set-up.

Presentations will take place in Room 110 Willamette Hall
9:00 - 9:15 Welcome and Intro to the University of Oregon
9:15 - 9:45 ***"The Physics of Life."*** Professor Raghu Parthasarathy: Biophysics Research.
9:45 - 10:15 ***Outreach: Styles and Inspiration***. Stanley Micklavzina and Brandy Todd, University of Oregon
10:15 - 1030: Break
10:30 - 11:10: Contributed Undergraduate Research topics:
11:10 - 12:00 ***"A Window on the Big Bang"*** Professor Jim Brau
University of Oregon.
12:00 - 1:00: **Lunch** (Provided) Willamette Hall Atrium

1:00 - 2:00: **Posters** (Willamette Hall Atrium)
2:00 - 2:30 ***Careers in Physics, including mine!*** Professor Stephanie Majewski
2;30 - 3:00 **" *University of Oregon's Master Industrial Internship Program"*** Nima Dinyari:
3:15 **Lab Tours:**

1. University of Oregon's High Tech Extension
2. Other Labs ... TBA

5:00 Adjourn and find somewhere to go and be social!

The Physics of Life. **Abstract:** Physical laws and principles guide the form and function of life. We'll explore how a physical perspective helps us understand and appreciate biological phenomena as diverse as the packaging of DNA and the biomechanics of bone shape and also, conversely, how biological systems reveal "new physics."

The Higgs Boson **- A Window on the Big Bang** Abstract: Oregon scientists are members of the ATLAS Collaboration, one of the two international teams of physicists working on experiments at the Large Hadron Collider in CERN, Switzerland (the other collaboration is the CMS Collaboration). There two collaborations have discovered the elusive Higgs boson. What is the Higgs boson? What role does it play in the universe today and during the Big Bang? What other mysteries of the universe are discovery targets of these collider experiments? What is Dark Matter? What is Dark Energy. These and other topics at the forefront of physics will be discussed.