

# Beams and Applications Seminar Series

This ANL seminar series focuses on the physics, technology and applications of particle and photon beams. It is sponsored jointly by the ASD Division, the AWA group of the HEP Division, and the ATLAS group of the PHY Division

**Bldg. 401, room A1100**

**(note special location)**

**Friday, March 16<sup>th</sup>**

**1:30 PM**

**Kara Hoffman**

**University of Chicago**

*Passing the torch: the Higgs at LEP  
and beyond*

Host: Kwang-Je Kim

LEP, the Large Electron Positron Collider at CERN, was originally conceived to make precision measurements of the Standard Model, a theory which has been tremendously successful in describing the behavior of the most fundamental particles found in nature; however, one essential piece of the Standard Model remains at large: the Higgs boson required to endow the observed spectrum of particles with mass. In its final year of running, LEP was driven to the highest attainable energies in an effort to maximize the combined Higgs discovery potential of the four LEP experiments, and in its final months it began to yield tantalizing hints of something unexpected in the data...

I will discuss the Higgs search in the final days of LEP and its legacy.

**For more information visit**

<http://www.aps.anl.gov/asd/physics/seminar.html>

Visitors from off-site please contact Debbie Briddick  
([briddick@aps.anl.gov](mailto:briddick@aps.anl.gov), 630-252-6620)  
to arrange for a gate pass.