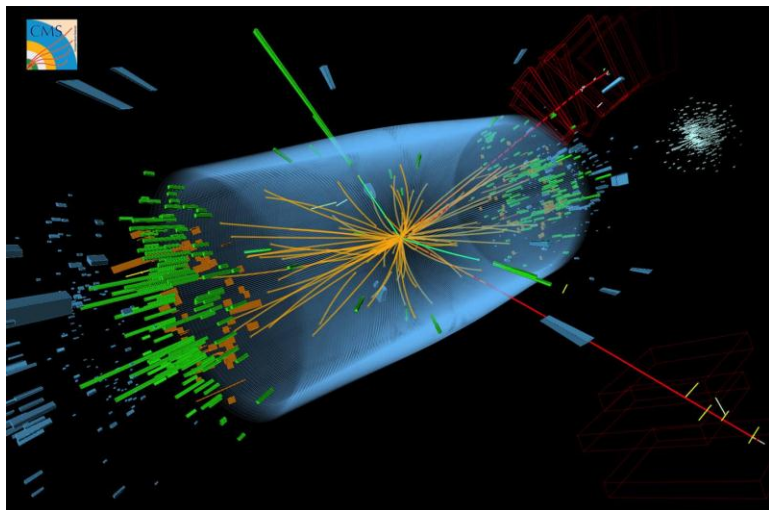


The Department of Physics, Astronomy & Materials Science  
at Missouri State University presents a public lecture by  
Dr. Michael Cooke, high energy physicist at  
Fermi National Accelerator Laboratory

**Wednesday, February 13, in Temple Hall Rm. 001**  
**7:00-8:30 PM; this seminar is free, open to the public, and all are invited.**

## ***THE HIGGS BOSON AND BEYOND***

*In July, physicists announced that a new particle was observed that might be the elusive Higgs boson. What is a Higgs boson and why is finding it so important? Fermilab physicist and “Higgs Hunter,” Dr. Mike Cooke, will discuss why the Higgs boson has been sought after for over forty years, and how machines like the Large Hadron Collider (LHC) are used to search for it. Listen as he describes what we know about the newly-discovered particle, what we don't know, and what this information means for the future of high-energy physics.*



Above: the Higgs boson

← Dr. Mike Cooke,  
Fermilab

CMS Detector at the  
LHC (Large Hadron  
Collider) →

