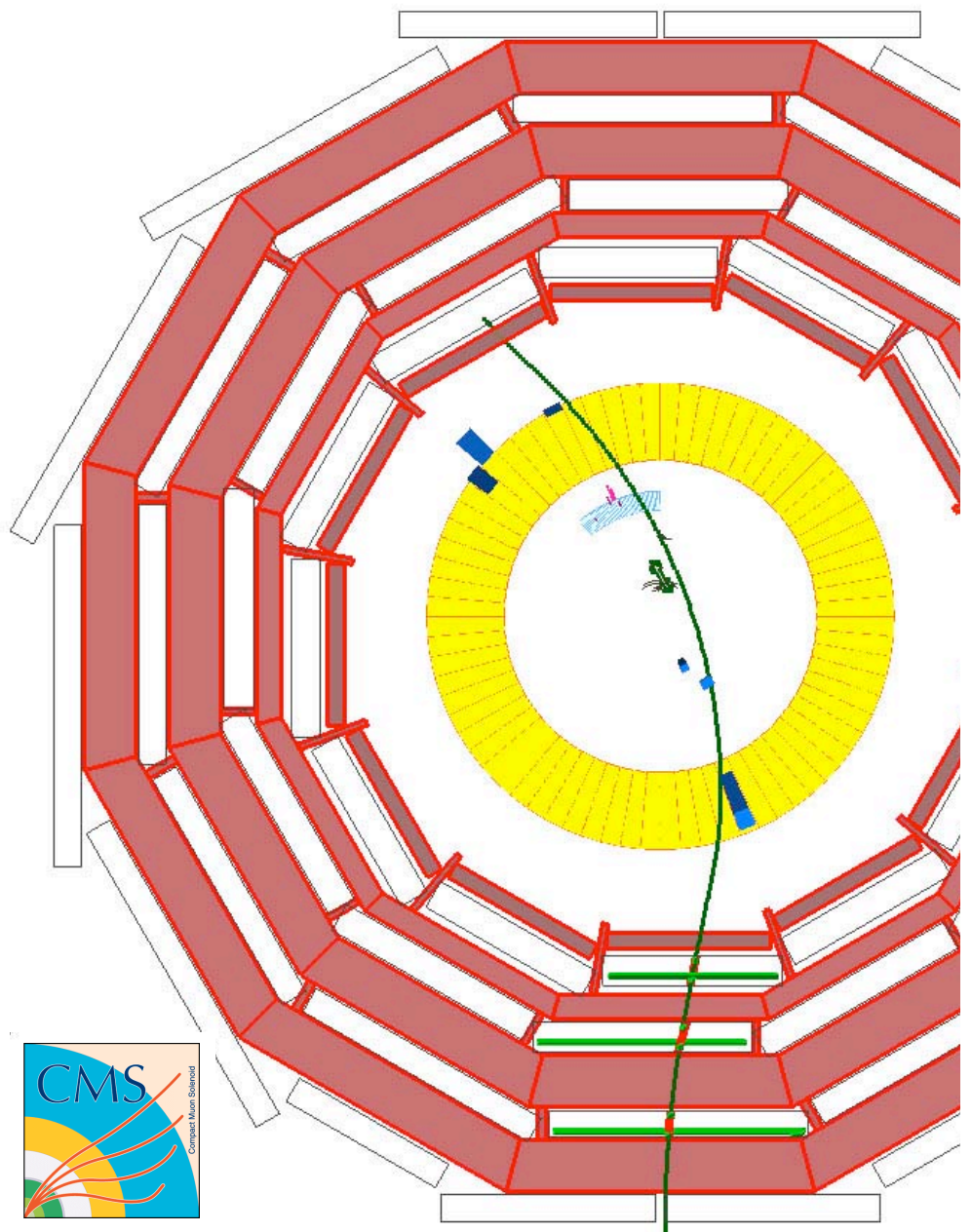
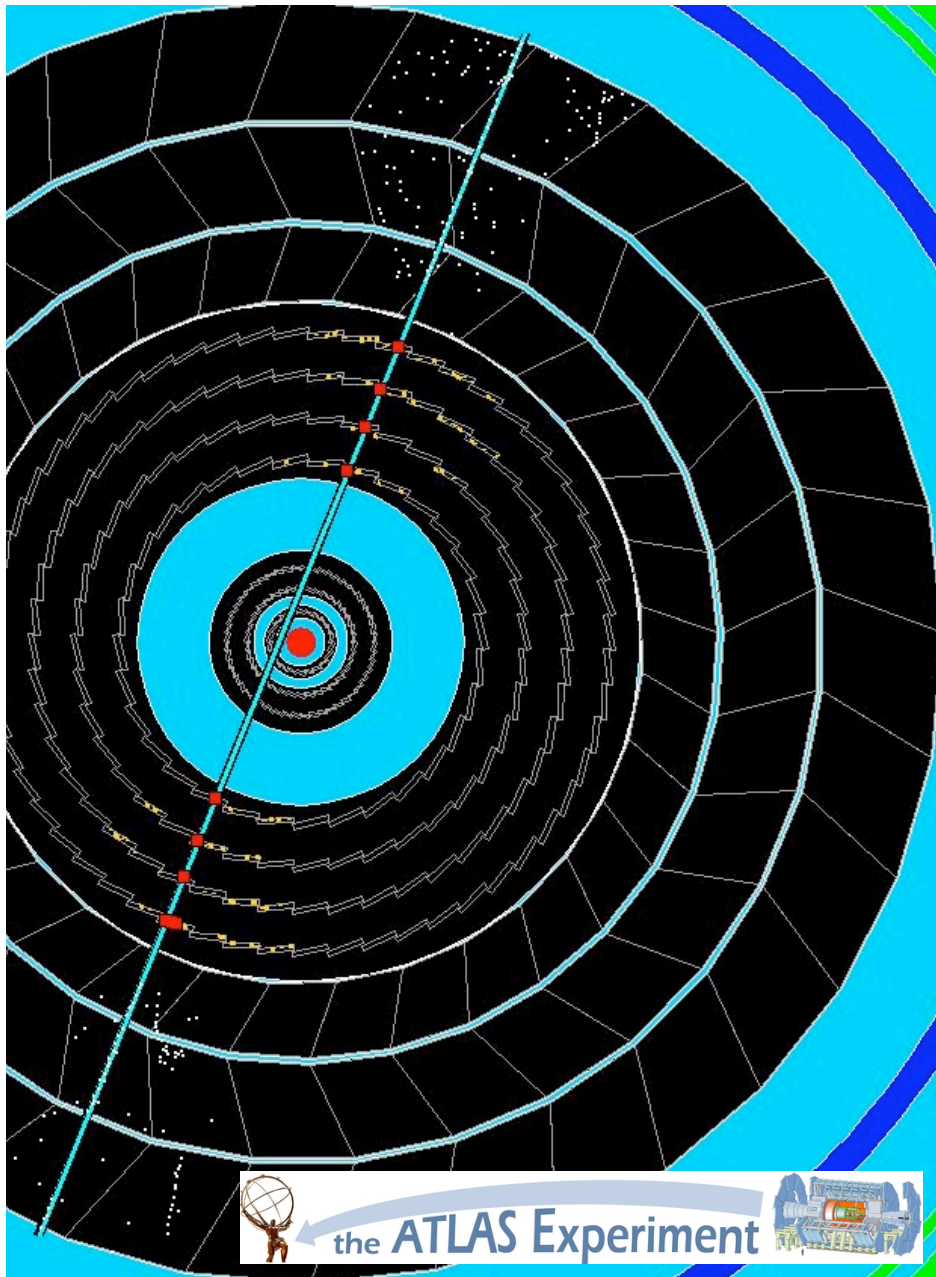


# Boston University Physics Colloquium



## What physics can we expect from the coming year's run of the Large Hadron Collider?

The LHC will resume operation in November 2009, initially at 7 TeV in the center of mass, the highest on earth by far. Physicists running the ATLAS and CMS experiments will have the best opportunities to discover new effects and to study them in depth at the highest energy frontier. Supersymmetric particles (who happen to be dark matter candidates at the same time), most of the presumed Higgs particles (including the invisible Higgs), effects of extra dimensions, and much more will be accessible. Most importantly, we will probe what we haven't yet dreamed.

I will give an overview of what we can expect for the 2010 data taking with a special focus on CMS.

**Arno Heister**

Boston University, CERN

September 29, 2009 (Tuesday) at 3:30pm (Refreshments at 3:15pm)

SCI 107, Metcalf Science Center, Boston University

Call: Winna Somers (wsomers@bu.edu) (617) 353-9320

Hosts: Jim Rohlf and Larry Sulak