

TUFTS UNIVERSITY
Physics and Astronomy Colloquium

**“Last chance to be wrong
about what might be
discovered at the LHC”**

Cliff Burgess

Perimeter Institute

The Large Hadron Collider (LHC) is now running (after a rocky start). This talk reviews why the start was rocky and how this constrains the physics program over the next few years. I will briefly survey how ‘naturalness’ arguments argue why something should be discovered, and why theoretical proposals fall into the three main categories. If time permits I will close by telling you why I think the cosmological constant problem implies the LHC will strike paydirt and make quantum gravity an experimental science.

3:00 pm

Friday, April 6, 2012

Robinson 253

Medford Campus

Refreshments served at 2:30 in The Knipp Library, Room 251