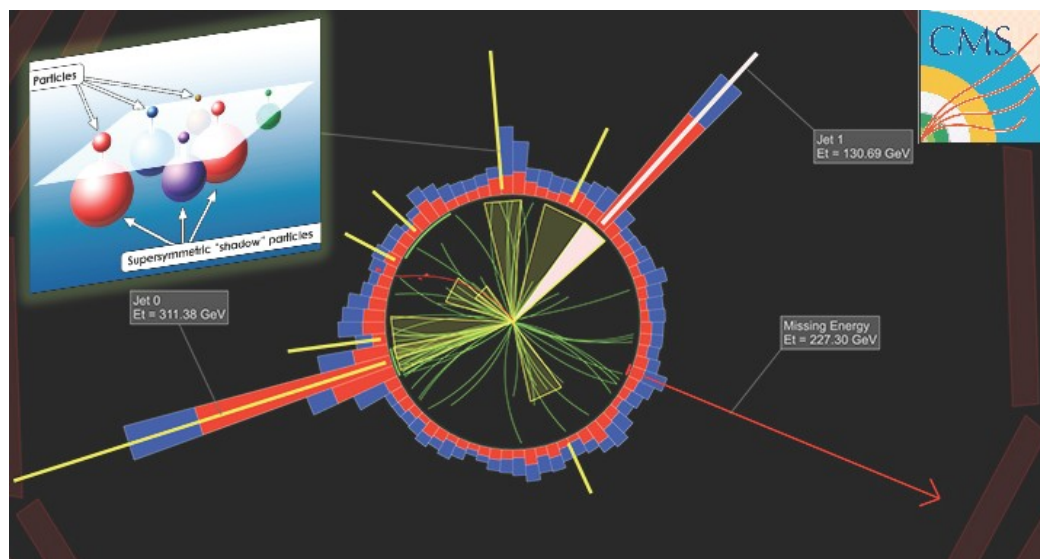




# Quest for SUSY in CMS.

**Greg Landsberg (Brown University)**

**Tuesday, 07 May 2013, 16:45 h, Auditorium**



Supersymmetry (SUSY) is one of the most elegant and theoretically studied extensions of the Standard Model (SM) of particle physics. Searches for supersymmetric particles have been a flagship of beyond-the-SM physics searches at every new particle accelerator, since the LEP era. Over the last two years the LHC has become the prime player in the quest for supersymmetry, entering a completely new energy domain and offering a potential to finally solve the great mystery of particle physics: is SUSY there to solve the infamous 'hierarchy problem' of the standard model?

The discovery of a Higgs boson by the ATLAS and CMS experiments last summer has invigorated these searches and zeroed them in the most interesting range of SUSY parameters. I will cover the status of current SUSY searches with the CMS detector at the LHC and the near future perspectives.

- **Coffee, tea and cookies will be served at 16:30h**
- **After the seminar there is a chance for private discussions with the speaker over wine and pretzels**

