

# Searching for Physics Beyond the Standard Model with the CMS Experiment at the LHC

Friday, March 21, 2014  
OPS 140  
4:00 – 5:00 pm

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Meet and Greet  
Friday, March 21, 2014  
OPS 140  
3:30 – 4:00 pm



The Large Hadron Collider (LHC) has had a successful Run I. It provided the highest energy proton collisions to-date to the experiments, at a center-of-mass energy of 8 TeV. In 2012, the observation of a new Higgs-like boson was announced to the world.

There is also an extensive program at the LHC to search for physics beyond the Standard Model. I will give an overview of the status of such searches at the LHC, with a special focus on the CMS experiment and on searches for Supersymmetry, a theory that predicts a symmetry between matter and forces and provides a promising candidate for dark matter.