

# LEPP Journal Club

Friday, February 17, 2012. 4:00 pm (3:45 refreshments)  
301 Physical Sciences Building



## Maxim Perelstein Cornell University Top Signatures of New Physics

I will argue that searches for new physics in final states involving top quarks are strongly motivated on very general grounds. I will then discuss examples of top signatures expected in a variety of extensions of the Standard Model. I will also describe some recent work on possible searches for new physics using top-tagging, a technique for identifying a relativistic top whose hadronic decay products are sufficiently tightly collimated to be reconstructed as a single jet.

