

# Theory Seminar

Monday, April 28, 2008 2:10 PM 831 Pupin Hall



**Gilad Perez, Stony Brook University**

**"Top physics at the LHC and warped phenomenology"**

We briefly describe the important and intriguing role played by the top within the standard model (SM) of elementary particles. We are thus motivated to improve our (rather poor) knowledge of the top fundamental parameter and couplings. It is very exciting that such a study will be possible, very soon, when the LHC experiment will start running. We demonstrate how the special features of the top quark will allow us to perform precision tests of the SM and open a window to discover beyond the SM physics, focusing on warped extra dimension models as a concrete example.