



Theory Seminar

Monday, February 23, 2009 2:10 PM 831 Pupin Hall

Clifford Cheung, Harvard University

"DARK SECTORS AND COLLIDER PHYSICS"

Recent observations from cosmic ray astrophysics indicate an excess of e^+e^- that may be evidence for DM annihilations or decays in the galactic halo. Motivated by these and other experiments, we discuss the possibility that DM is charged under a dark gauge group, and present a minimal abelian model. We also discuss non-abelian models and their collider signatures.

