JOINT TUFTS/MIT COSMOLOGY SEMINAR

Some new probes of axions, vanilla (QCD) and donut (string-inspired). Daniel Grin Chicago

I will begin by reviewing the standard lore and existing limits to the QCD axion. I will then explain the possible implications of the recent claimed detection of primordial B-mode CMB polarization for the QCD axion dark matter hypothesis. I will then discuss ongoing work to probe the ultra-light axion like particles seen in some realizations of string theory, using the CMB.

Tuesday, April 22, 2014, 2:30 pm Robinson Hall, Room 250 Tufts University

Refreshments at 2:00 in Knipp Library, Room 251