

JOSH BERGER



JOURNAL CLUB

BSM

Slepton Flavor Physics: CPV at the TeV Scale. If low-scale supersymmetry is realized in nature, then the large number of parameters allows for large new contributions to CP violation that can be studied at the LHC and at the ILC. A particularly clean and accessible venue for studying sflavor is the slepton sector. I will first discuss the formalism for studying slepton flavor. Discussion will then proceed to constraints from SM observables and signatures of slepton CP violation at future colliders. While this topic is not strictly "cutting-edge," it is not a standard topic and my discussion will not be strictly pedagogical, so it will be helpful to have read the references. hep-ph/0111154 (primary reference), hep-ph/9603431, hep-ph/9704205.

date

10/19/09

location

NEWMAN 311

time

1:30-3:30 PM

The LEPP theory group BSM Journal Club is a weekly discussion on recent topics in beyond the Standard Model physics. Topics alternate between pedagogy and recent papers. For more info, see our website.

Our webpage: www.lepp.cornell.edu/~pt267/journal.html