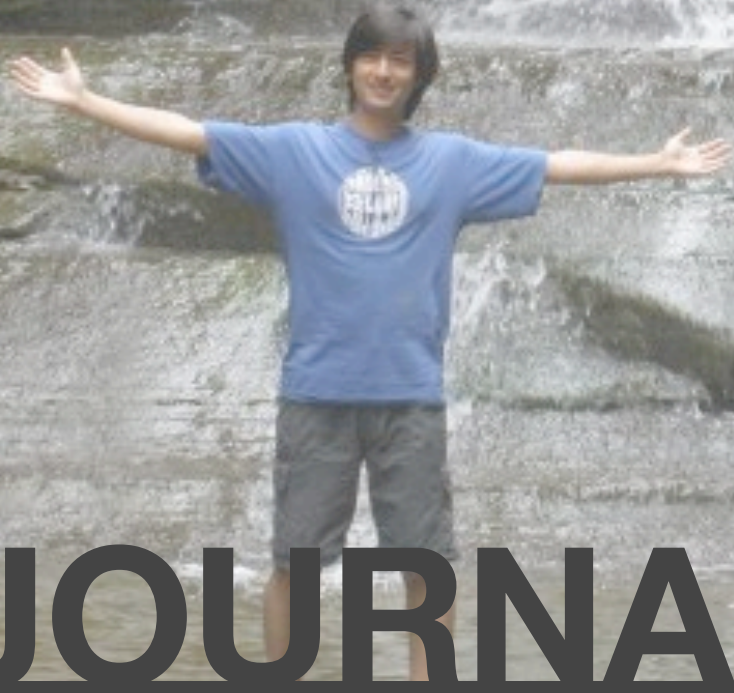


SHAKYA BIBHUSHAN



JOURNAL CLUB BSM

Dark Matter: From Theory to Indirect Observation and Back. Even with a known theory of dark matter at hand (that is, knowing annihilation/decay channels, branching ratios, cross sections etc), deriving indirect observational effects from galactic and extragalactic sources that detectors like PAMELA and FERMI observe is nontrivial since it involves knowing how these products propagate and interact in the medium between source and observer. This talk will review the steps involved in going from the theory to what is actually seen by detectors, as well as in working backwards to use observations to distinguish between models. Reference paper: [arXiv:0901.2925](https://arxiv.org/abs/0901.2925) (This paper is long and even I have not read all of it, but looking through it will give you a good idea of what the talk will be like).

date

9/14/09

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