

# TANEDO FLIP



# JOURNAL CLUB BSM

**Kinky Kinematics? MT2 is just for you.** I will provide an introduction to collider kinematics focusing on the MT2-type variables that extend the notion of transverse mass. For this pre-Halloween will discuss kinks and cusps and other signatures of invisible particles that go bump in the night. We will focus on the presentation by Cheng and Han, arXiv:0810.5178 and the concrete application by Cho, Choi, Kim, and Park, arXiv:0709.0288. Additional reading can be found in the references of the first work. This will be a review talk, so attendees are encouraged but not required to have read the papers beforehand.

date

**10/26/09**

location

**NEWMAN 311**

time

**1:00-3:00 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](http://www.lepp.cornell.edu/~pt267/journal.html)