

# CU Physics Department Particle Seminar

Wednesday, December 2, 2009 705 Pupin Hall 12:30 PM



## Measuring the Dijet Mass Cross Section at D0

The dijet mass cross section is measured in ppbar collisions at a center of mass energy of 1.96 TeV using 0.7 fb<sup>-1</sup> of data collected at the D0 detector at the Tevatron. The measurement is performed in six rapidity regions up to  $|y| < 2.4$  for the two jets with the largest transverse momentum. The results are compared to MSTW2008 NLO predictions and found to be in good agreement.

**Mandy Rominsky, University of Oklahoma**

