

TOP QUARKS AT THE TEVATRON AND THE LHC

Dr. Jessie Shelton
Yale University

Tuesday, January 31, 2012
3:30 P.M. NSH 415

Top quarks, the heaviest known particle in the standard model, are a key part of the physics program at the LHC. The large mass of the top quark makes tops especially sensitive to new physics which knows about electroweak symmetry breaking or flavor; it also means that the decays of the top quark provide unique handles on top quark properties. I will discuss models for the anomalously large top forward-backward asymmetry and the challenges they face from LHC measurements, and present some general methods for clarifying the existence and nature of new physics in top pair production at both the LHC and the Tevatron.

Particle
Physics
Seminar

All interested
persons are
cordially
invited to
attend.