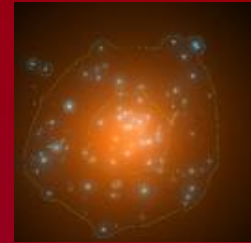




CU Physics Department Particle Seminar  
Wednesday, October 10, 2007 705 Pupin Hall 1:00 PM



Presented by: Tim Tait

Argonne National Lab & Northwestern University

# “A Chiral Fourth Generation meets Precision and Higgs Physics”

I will discuss the possibility that there is a chiral (ordinary) fourth generation of matter, and show that reports from the particle data book of its demise are exaggerated. Future precise measurements of Standard Model quantities can shed light on this issue, and might show indirect evidence for or against the idea. I will discuss collider signatures with an emphasis on new features in Higgs searches.

