

CU Physics Department Colloquium

Monday, October 1, 2007 4:15pm 428 Pupin

Presented by: **Gordon Kane**

University of Michigan and Institute for Advanced Study

"String theory and the real world"

I'll describe how string theory is being connected to testable predictions, via the increasingly active subfield "string phenomenology". Examples will include issues from cosmology (dark matter, inflation, and dark energy), neutrino masses, and particularly collider physics and the possible role of the LHC. The talk will be organized around a list of questions particle physics and cosmology hope to answer about the laws of nature and the universe, and how string theory is beginning to address (all?) these questions.

Hosted by Erick Weinberg

