

CU Physics Department Colloquium

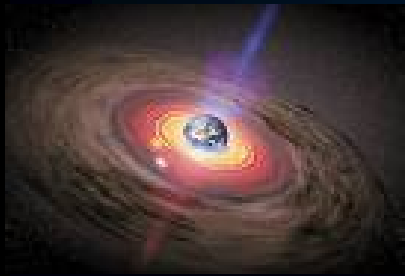
Monday, October 22, 2007 4:15 PM 428 Pupin Hall



Presented By Saul Teukolsky, Cornell University

Black Holes and Gravitational Waves

Gravitational wave detectors like LIGO are poised to begin detecting signals. One of the prime scientific goals is to detect waves from the coalescence and merger of black holes in binary systems. Confronting such signals with the predictions of Einstein's General Theory of Relativity will be the first real strong-field test of the theory. Until very recently, theorists were unable to calculate what the theory actually predicts. I will describe recent breakthroughs that have occurred and that have set things up for an epic confrontation of theory and experiment.



Hosted by Szabolcs Marka

