PHYSICS COLLOQUIUM

Wednesday, 30 April 2014
17:00 -18:00
3rd Floor Seminar Room

“100 years of Gravitation”

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Abstract

General Relativity remains one of the most fascinating constructions of the human mind, explaining gravitation as curved-spacetime effects. Among the strangest predictions, are time-warsps, gravitational waves and black holes, topics which are now playing a crucial role in fundamental physics, astrophysics, high energy physics and particle physics. In the last 10 years, our ability to understand strongly nonlinear phenomena in General Relativity has opened up a new Golden Age in the field. From Cosmic Censorship tests to superkicks and black hole bombs, the possibilities are endless. I will describe some of the current activity in the field along with prospects for the future.