

Boston University Physics Colloquium



Searching for New Particles at the LHC

On Sept 10, 2008, the Large Hadron Collider, located in Geneva, Switzerland, circulated beams for the first time. The first collisions, expected in 2009, will open the first new laboratory-based energy frontier since the commissioning of the Tevatron in 1985. Precision low-energy measurements, cosmological data, and theoretical considerations all suggest that the “Terascale” energies it will probe should contain new physics beyond the standard model. In this talk I will discuss popular theoretical models, their expected signatures, and the prospects for a discovery. I will also discuss the status of the LHC accelerator and its detectors.

Sarah Eno

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February 10, 2009 (Tuesday) at 3:30pm (Refreshments at 3:15pm)

SCI 107, Metcalf Science Center, Boston University

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