

Theory Seminar

Monday, September 21, 2009 2:10 PM 831 Pupin Hall

A Fourth Generation and Electroweak Symmetry Breaking

We examine the possibility that a heavy fourth generation is responsible for electroweak symmetry breaking, through the condensation of at least one of its quarks. A new interaction strongly coupled to the fourth generation is needed for this to take place. We show that it is possible to model this with one compact warped extra dimension. We discuss the phenomenology of both the quark and lepton sector.

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