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Low-scale gravity phenomenology

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Less than two decades ago, brane world scenarios offered paradigms to reinterpret the 4-D Planck scale as an effective gravity scale arising for a more fundamental lower gravity scale in higher dimensions. These ideas allowed new phenomenological models to be developed and helped guide searches for low-scale gravity at the Tevatron and LHC. One of the most exciting outcomes of these models is the possibility to produce non-perturbative gravitational states at the LHC. The LHC experiments have recently publish a round of search for non-perturbative gravitational states which seriously confront the models for the first time. I will discuss how the models can now be view in the light of the experimental constraints.

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