

High Energy/Particle Physics Seminar

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Title: TeV scale quantum gravity in 4-dimensions?

Abstract: A discussion about investigating models in which the scale of quantum gravity could be as low as a TeV. After reviewing models with large extra-dimensions, I discuss a 4-dimensional model in which a large dilaton vacuum expectation value accounts for the observed weakness of gravity. The dynamical assumptions of this scenario are studied as well as the phenomenology. LHC signatures are discussed.

Tuesday October 23, 2007- 4:10 to 6PM - Rm. 416 PHY/GEO