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Title: The large D limit of General Relativity

Abstract: In this talk I will give an overview of the recent developments in the Large D limit of gravity. In this approach, we explore the limit General Relativity as the number of dimensions grows very large, which allows us to perform perturbative analysis with asymptotic expansions in powers of 1/D, with D being the dimension of spacetime. This makes it possible to access analytically (or with very modest numerical techniques) the physics of black holes, both in D=4 and in higher dimensions. In particular, I will focus on the effective theory for black holes with extended directions (mainly black strings and black branes) which has been used to recover the critical dimension of black strings, and most importantly to predict violations of Penrose's Weak Cosmic Censorship conjecture in black hole mergers through the so-called blobology formalism.