



Seminarios de Física Teórica
Fisika Teorikoa: Hitzaldiak

Quantum corpuscular sub-structure of geometry

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Abstract We review the framework in which curved gravitational backgrounds, such as black holes and cosmological spaces, are described as composite quantum entities, coherent states, of constituent soft gravitons at self-sustained quantum critical point. We discuss evidence of these picture and some of its most important theoretical and experimental consequences. In particular, physics underlying the black hole information processing, physics of black hole production in high-energy scattering and question of quantum consistency of positive cosmological constant.

Seminar Room, Dept. of Theoretical Physics, Corridor 4.-2.

WEDNESDAY, April 22nd, 2015

Time:11:40 am