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Seminar of the theory group of APC

Mardi 12 Décembre 2017, 14 :00
APC, 483 A - Malevitch
Domaines : hep-th

Titre : *Testing gravity with relativistic effects in large-scale structure*

Orateur : **Camille Bonvin (Université de Genève)**

Résumé : *The distribution of galaxies provides a powerful way to probe the properties of our universe. In order to exploit this observable properly it is necessary to understand what we are really measuring when we look at the large-scale structure. Since our universe is not completely homogeneous and isotropic, we only see a distorted picture of our sky. In this talk, I will discuss the various relativistic effects that distort our observations. I will show that even though these effects complicate the interpretation of galaxy surveys, they are very useful since they contain information about the theory of gravity and can therefore be regarded as a new opportunity for future surveys.*
