



Irfu

Institut de recherche
sur les lois fondamentales
de l'Univers

**Séminaire
SPP**

Lundi 11/05/2015, 11h00

CEA-Saclay Bat 141, salle André Berthelot

Large distance modification of gravity : the example of massive gravity

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IAP

Motivated by the wish to find alternatives to dark energy or even dark matter, several relativistic theories of gravity have been constructed which deviate from Einstein relativity at large distances. In this talk I will illustrate such an approach with "massive gravity" where one gives a (very small) mass to the graviton. The talk will be at introductory level, focusing on some general features of theories with large distance deviations from General Relativity but also discussing some nice properties proper to "massive gravity" such as the so-called vDVZ discontinuity or the "Boulware-Deser ghost".

Le café sera servi 10 minutes avant.

NB : La présentation d'une pièce d'identité est exigée à l'entrée du centre. Tous les auditeurs extérieurs sont priés de prévenir à l'avance Martine Oger, tél. 01 69 08 23 50, e-mail : martine.oger@cea.fr. (U.E. : délai de 24 h, hors U.E. : délai de 4 jours).