SEMPARIS – Séminaires en région parisienne

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Seminar of the theory group of APC

Mardi 25 Septembre 2018, 14 :00
APC, 646 A - Mondrian
Domaines : hep-th

Titre : *The 'unitarity problem' of Higgs inflation in the light of collapse dynamics*

Orateur : **Suratna Das (IIT Kanpur)**

Résumé : *Higgs Inflation is no doubt one of the most favoured models of inflation in present time. But the huge non- minimal coupling of the Higgs field with gravity required for the model to work often raises concern which is dubbed as the 'unitarity problem' of Higgs inflation. We will show that CSL-like collapse dynamics, otherwise applied to inflationary dynamics in order to explain the quantum-to-classical transition of primordial quantum modes, can bring down the value of non-minimal coupling considerably.*
