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Particle Physics at LPTHE

Mardi 28 Juin 2016, 14 :00
LPTHE, Library
Domaines : hep-ph

Titre : *Higgs relaxation and the matter-antimatter asymmetry of the universe*

Orateur : **Alexander Kusenko (UCLA)**

Résumé : *The recent measurement of the Higgs boson mass implies a relatively slow rise of the Standard Model Higgs potential at large scales, and a possible second minimum at even larger scales. Consequently, the Higgs field may develop a large vacuum expectation value during inflation. The relaxation of the Higgs field from its large postinflationary value to the minimum of the effective potential represents an interesting new stage in the evolution of the universe. In particular, the matter-antimatter asymmetry could be generated during this epoch.*