SEMPARIS – Séminaires en région parisienne

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Seminar of the theory group of APC

Mardi 28 Mars 2017, 14 :00
APC, 371 A - Klein (salle inhabituelle)
Domaines : hep-th

Titre : *Late time cosmology with LISA : probing the cosmic expansion with massive black hole binary mergers as standard sirens*

Orateur : **Nicola Tamanini (APC)**

Résumé : *I will summarize the potential of the LISA mission to constrain the expansion history of the universe using massive black hole binary mergers as gravitational wave standard sirens. After briefly reviewing the concept of standard siren, I will outline the analysis and methodologies to use LISA as a cosmological probe, and present estimates for the power of LISA in constraining cosmological parameters for both standard and alternative cosmological models.*