

SEMPARIS – Séminaires en région parisienne

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Colloquium de l'APC

Vendredi 15 Fevrier 2019, 11 :00

APC, Amphitheatre Pierre Gilles de Gennes

Domaines : astro-ph

Titre : *Concordance of the Dirac-Milne universe*

Orateur : **Gabriel Chardin (CNRS/DGDS)**

Résumé : *The Dirac-Milne universe, a matter-antimatter universe where antimatter has a negative gravitational mass, presents several elements of concordance with our universe, except apparently for two tests : primordial helium-3, and BAO, at least if the latter is interpreted in a conventional way. After a discussion on the definition of a negative mass particle, I will describe the formation of structures in the Dirac-Milne universe, as well as some additional studies that can be carried out on this model, in order to further test its concordance with our universe.*
