

Mardi 25 mai 11h00

CEA-Saclay Bât 141, salle André Berthelot

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## The (most) perfect fluid

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Experiments in the last 6 years have successfully accessed for the first time the deconfined phase of the strong interaction providing evidence that this is the closest a fluid can be to an ideal one. This implies that it is a strongly coupled medium and perturbative techniques are not sufficient to understand the dynamics. Recent progress from string theory and the AdS/CFT correspondence sheds new light for such strongly coupled fluids. Analogies and applications to early universe cosmology will be also be mentioned.

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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 Emilie Chancrin, tél. 01 69 08 23 50, e-mail : [emilie.chancrin@cea.fr](mailto:emilie.chancrin@cea.fr). (U.E. : délai de 24 h, hors U.E. : délai de 4 jours).