



Irfu
Institut de recherche
sur les lois fondamentales
de l'Univers

**Séminaire
DPhP**

Lundi 25/06/2018, 11h00

CEA-Saclay Bât. 141, salle André Berthelot

Physics of future circular colliders

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The results from the Large Hadron Collider have redefined the boundary conditions for the discussion of future facilities for High Energy Physics. On one side, the discovery of the Higgs clearly defines the needs, the challenges and the prospects of future precise measurements of its properties. On the other, the lack of signals for new physics stimulates reconsideration of theoretical scenarios, and opens a broad discussion of the best ways to move forward. I will review these issues, and put them in the perspective of the physics potential of a future generation of circular colliders, as discussed in the context of CERN's FCC study.

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 Martine Oger, tél. 01 69 08 23 50, e-mail : martine.oger@cea.fr. (U.E. : délai de 24 h, hors U.E. : délai de 4 jours).