



Lrfu

Institut de recherche
sur les lois fondamentales
de l'Univers

**Séminaire
SPP**

Lundi 27/02/2017, 11h00-12h00

CEA-Saclay Bat 141, salle Andr © Berthelot

Searches for New Physics in boosted diboson topologies at ATLAS

REINA COROMOTO CAMACHO

University of Chicago

Many extensions to the Standard Model predicts new particles decaying into two bosons making these important signatures in the search for new physics. Searches for such diboson resonances have been performed in final states with different numbers of leptons, photons and jets where new jet substructure techniques to disentangle the hadronic decay products in highly boosted configuration are being used. In this seminar I will describe the jet-substructure techniques explored by ATLAS analyses and present the results of the ATLAS searches for diboson resonances with LHC Run 2 data collected in 2015 and 2016.

Le caf © sera servi 10 minutes avant.

NB : La pr ©sentation d'une pi ©ce d'identit © est exig ©e    l'entr ©e du centre. Tous les auditeurs ext ©rieurs sont pri ©s de pr ©venir    l'avance Martine Oger, t ©l. 01 69 08 23 50, e-mail : martine.oger@cea.fr. (U.E. : d ©lai de 24 h, hors U.E. : d ©lai de 4 jours).