



**UNIVERSITÉ
DE GENÈVE**

FACULTÉ DES SCIENCES
Département de physique
nucléaire et corpusculaire

SÉMINAIRE DE PHYSIQUE CORPUSCULAIRE

- SUJET:** Searches for strong gravity signatures produced in proton-proton collisions using the ATLAS detector at the CERN Large Hadron Collider
- PAR:** Dr Patrick CZODROWSKI
University of Alberta
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- LIEU:** Science III, Auditoire 1S081
Boulevard d'Yvoy, 1211 Genève 4

RÉSUMÉ:

Searches for new physics in using data from proton-proton collisions at $\sqrt{s} = 8$ TeV and 13 TeV taken at the CERN Large Hadron Collider with the ATLAS detector were conducted. The presented searches focus on signatures of new physics models of strong gravity that hypothesize additional space-time dimensions, as for example black holes and string-balls. After a summary of current results an outlook on the future search efforts by the ATLAS collaboration in this physics domain is given.

INFORMATION : <http://dpnc.unige.ch/seminaire/annonce.html>

ORGANISATEURS: Sergio.Gonzalez@unige.ch & Domenico.Dellavolpe@unige.ch