



**UNIVERSITÉ
DE GENÈVE**

FACULTÉ DES SCIENCES
Département de physique
nucléaire et corpusculaire

SÉMINAIRE DE PHYSIQUE CORPUSCULAIRE

SUJET: Latest results from the MoEDAL experiment

PAR: Prof. Philippe MERMOD
Université de Genève, DPNC

DATE: Mercredi 8 mars 2017, 11h15

LIEU: Science III, Auditoire 1S081
Boulevard d'Yvoy, 1211 Genève 4

RÉSUMÉ:

The MoEDAL experiment at the LHC is specifically designed to search for new physics in the form of long-lived highly-ionising particles, such as magnetic monopoles. Its plastic nuclear-track detectors and aluminium trapping volumes provide two independent passive detection techniques which allow to probe ranges of the parameter space inaccessible to other experiments. The full MoEDAL detector arrays deployed at Interaction Point 8 have been exposed to the highest LHC collision energies in 2015 and 2016. The highlight of this seminar will be a presentation of the first constraints on magnetic monopole production in 13 TeV proton-proton collisions using the innovative MoEDAL trapping detector, extending a previous publication obtained with 8 TeV exposure."

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

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