



**UNIVERSITÉ
DE GENÈVE**

FACULTÉ DES SCIENCES
Département de physique
nucléaire et corpusculaire

SÉMINAIRE DE PHYSIQUE CORPUSCULAIRE

SUJET : From radio halos to Fermi bubbles

PAR: Dr Philipp MERTSCH
Université d'Oxford & Université de Stanford

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LIEU: Science III, Auditoire 1S081
30, quai Ernest-Ansermet, 1211 Genève 4

RÉSUMÉ:

Diffuse radiation fields pervade the Galaxy from radio waves to gamma-rays and encode a plenitude of information about non-thermal processes. For other studies, e.g. dark matter searches, CMB analysis or even for faint point sources, they constitute an irreducible background and need to be subtracted off. I will focus on diffuse Galactic emission in the radio and in gamma-rays describing new ways to understand and model them. Particular mention will be made of the recently detected Fermi bubbles and I will suggest a theoretical picture that can explain both their energy spectrum and morphology.

INFORMATION : <http://dpnc.unige.ch/seminaire/annonce.html>
ORGANISATEUR: Prof. Teresa Montaruli