



**UNIVERSITÉ
DE GENÈVE**

FACULTÉ DES SCIENCES
Département de physique
nucléaire et corpusculaire

SÉMINAIRE DE PHYSIQUE CORPUSCULAIRE

SUJET : Alternatives to SUSY dark matter

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RÉSUMÉ:

Much effort has been devoted to the study of weak scale particles, e.g. supersymmetric neutralinos, which have a relic abundance from thermal equilibrium in the early universe of order what is inferred for dark matter. This does not however provide any connection to the comparable abundance of baryonic matter, which *must* have a non-thermal origin. Candidate particles with such a connection are "dark baryons" with mass of order 10 GeV from a new strongly interacting sector. Putative signals in experiments such as CoGeNT, CRESST and DAMA have also focussed attention on such particles. They can affect heat transport in the Solar interior so as to affect low energy neutrino fluxes and helio-seismology.

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