

## Séminaire LAL

**Tomer Volansky**  
**(Tel-Aviv University)**

**vendredi 9 juin 2017 à 11h00**

### *New Avenues in the Search for Dark Matter*

The existence of dark matter has been well established with overwhelming evidence, but its particle identity is still unknown. For more than three decades, significant theoretical and experimental efforts have been directed towards the search for a Weakly Interacting Massive Particle (WIMP), often overlooking other possibilities. The lack of an unambiguous positive WIMP signal, at both indirect- and direct-detection experiments and at the LHC, stresses the need to expand dark matter research into additional theoretical scenarios and, more importantly, to develop new experimental capabilities that go beyond the limitations of WIMP detection. In this talk I will review the current status of the field and discuss new theoretical ideas and experimental avenues for searching for light dark matter in the MeV to GeV mass range.

**Salle 101** - Bât. 200, Orsay

*Thé et café seront servis 15 mn avant le séminaire*  
Organisation : Reisaburo Tanaka (LAL) - [seminaires@lal.in2p3.fr](mailto:seminaires@lal.in2p3.fr)  
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