

CEA - Saclay 91191 Gif-sur-yvette Cedex  
**Service de Physique de l'Etat Condensé**  
**SÉMINAIRE**

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**Mercredi 10 février 11h15**

**Orme des Merisiers SPEC Salle Itzykson, Bât.774**

**Defects in diamond : a new tool for nanotechnology ?**

**Vincent Jacques**

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Among more than 500 existing defects in diamond, the nitrogen-vacancy (NV) color center has attracted a lot of interest over the last decade. Such a defect, which can be created in a controlled manner and optically addressed as single quantum system at room temperature, exhibits several important properties for many different applications : from quantum information science to high resolution magnetometry and biology. In this talk, I will give a state of the art of recent experiments using NV defect in diamond.

Un café sera servi à 11h00.

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