

# SEMPARIS – Séminaires en région parisienne

<http://string.lpthe.jussieu.fr/semParis/>

## Séminaire informel

**Lundi 11 Décembre 2017, 15 :00**

LPT, Room 114, Bldg 210, 1st floor, LPT Orsay( SInJe : Séminaire Informel des Jeunes )

Domaines : hep-ph

Titre : *Heavy Neutrinos at GeV Scale*

Orateur : **Mathieu Lamoureux** ( Service de Physique des Particules (SPP), Irfu, CEA )

Résumé : *Heavy neutrinos are new neutral leptons that can be introduced to explain standard neutrino masses. They can be between eV and GUT scale but some particularly interesting models with GeV neutrinos explain baryogenesis with minimal extension of Standard Model. As it will be presented, this mass region is within the reach of present (LHC, T2K...) and future experiments (SHiP, FCC, DUNE), looking for heavy neutrinos through their production and/or decay.*

---