

**The "Excellence Laboratory" ENIGMASS is offering up to three 3-year Ph.D. positions (doctoral fellowships) starting autumn 2014 in Annecy and Grenoble.**

**List of proposed Ph.D. subjects:**

- 1 Dark Matter in the Dark Ages
- 2 High Redshift structures in the universe: from Planck to NIKA2
- 3 Interrogating the "Brothers of the Higgs"
- 4 Multi-messenger astronomy with Advanced Virgo: Low latency gravitational wave search for compact coalescing binaries
- 5 New Physics search through boosted top quarks pair signature with the ATLAS detector at the LHC collider
- 6 Precise measurement of the Higgs boson mass with the ATLAS detector at CERN. Study of systematic effects which could affect the photon energy reconstruction
- 7 Probing dark matter candidates at the LHC
- 8 Search for the neutrino-less double beta decay with the SuperNEMO demonstrator module

More details on the topics are available on the ENIGMASS web pages:

<http://enigmass.in2p3.fr/spip.php?rubrique71>

*Applicants should have a Master-2 diploma (or equivalent) by the end of July 2014.*

Applicants should fill the application form available here:

<https://apply.lapth.cnrs.fr/en/session/apply/enigmass>

**The application deadline is April 21st 2014.**

Once the selected applicants have been chosen, the results will be available by the beginning of May 2014.

The Ph.D. thesis duration is three years and Ph.D. students receive about 1430 € per month (net salary). Teaching duties are optional.