

Postdoctoral Position 2026 theoretical cosmology

The LAPTh (CNRS/USMB) invites expressions of interest for a postdoctoral researcher position in theoretical cosmology. The position is dedicated to developing a robust and efficient framework that incorporates a broad range of neutrino and dark-matter models, assessing their effects on large-scale-structure (LSS) statistics as measured by the power spectrum and bispectrum of galaxies or intensity maps. The project emphasizes spectroscopic galaxy surveys—in particular the analysis of data from the ESA Euclid mission—and 21-cm intensity mapping, especially from the SKA Observatory (SKAO). Our goal is to generalize existing analytic methods—particularly the Effective Field Theory of Large-Scale Structure (EFTofLSS)—to include the effects of massive neutrinos and non-standard dark matter, validate theoretical predictions against simulated datasets, forecast expected constraints from Euclid and SKAO, and ultimately analyze the Euclid spectroscopic galaxy sample in its second data release.

This position is funded by DarkES, a joint ANR–DFG research project supported by the French and German national science foundations, co-led by Dr. Azadeh Moradinezhad (LAPTh) and Prof. Julien Lesgourgues (RWTH Aachen University). Apart from the close interactions with members of DarkES in Annecy and Aachen, the selected postdoc will have the opportunity of joining Euclid Consortium in the context of this project.

Further details and the application portal can be found [here](#) . Applications submitted by December 19 will be given full consideration.

All questions may be directed to Dr. [Azadeh Moradinezhad](#)