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Marie Skłodowska-Curie Actions

*Developing talents,
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Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Pauline Zarrouk
Supervisor page	https://www.researchgate.net/profile/Pauline-Zarrouk
Host Institution	Centre National de la Recherche Scientifique (CNRS) https://www.cnrs.fr/en
Research Lab	Laboratoire de physique nucléaire et de hautes énergies https://lpnhe.in2p3.fr/
Research Team	Dark Energy Spectroscopic Instrument https://lpnhe.in2p3.fr/spip.php?rubrique335

Project Title

Unveil the dark sector with beyond standard galaxy clustering analysis using DESI

Project Description

Within the DESI (Dark Energy Spectroscopic Instrument) collaboration, we have revealed new constraints on the nature of dark energy with, for the first time, promising hints for a dynamical dark energy instead of the usual cosmological constant that we assume in the most simple model. This subject aims at developing beyond standard techniques with an application to DESI real data in order to improve the precision on the cosmological parameters of interest by at least a factor 2-5.

Keywords

cosmology, dark energy, beyond standard techniques

Description of the Host Research Lab

The LPNHE is involved in several major experimental programs, international collaborations with the world's leading research facilities around the world, including particle gas pedal centers and observatories. These programs cover current issues in particle physics, astroparticles and cosmology.

To submit your application, please send an email with the required documents to
msca-pf@sorbonne-universite.fr