

## Non linear matter power spectrum and machine learning

**Spécialité** Astrophysique

**Niveau d'étude** Bac+5

**Formation** Master 2

**Unité d'accueil** [DAP/LCS](#)

**Candidature avant le** 10/04/2020

**Durée** 6 mois

**Poursuite possible en thèse** oui

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**Autre lien** [https://www.cosmostat.org/jobs/ml\\_nonlinear](https://www.cosmostat.org/jobs/ml_nonlinear)

### Résumé

This internship is meant to use and compare different machine learning methods in order to check which one better performs in estimating the matter power spectrum in the non-linear regime.

### Sujet détaillé

Work builds on preliminary results and codes developed within the CosmoStat group. The internship will take place within the research group CosmoStat, within the Astrophysics Department (DAP) under the supervision of Valeria Pettorino, Santiago Casas, and Jean-Luc Starck.

### Mots clés

### Compétences

### Logiciels

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## **Non linear matter power spectrum and machine learning**

### **Summary**

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### **Full description**

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### **Keywords**

Machine Learning

### **Skills**

### **Softwares**