

Space plasma postdoctoral position

A space plasma data scientist postdoctoral position has become available at the CNRS LPC2E laboratory for the analysis of in situ data from the ESA's Rosetta mission.

The research activity will be focused on multi-instrument data analysis of the induced magnetosphere of comet 67P/Churyumov-Gerasimenko and its interaction with the solar wind, based on measurement from the different instruments of the Rosetta Plasma Consortium, with a particular focus on the dynamics of the ionized cometary environment and its interaction with the solar wind (waves, instabilities, structures).

The LPC2E laboratory (CNRS, located in Orléans, France - 1h south of Paris) is a member of the Rosetta Plasma Consortium, as responsible for the RPC-MIP (Mutual Impedance Probe) experiment (PI: P. Henri), designed to measure the plasma density, in order to characterize the plasma environment of comet 67P/CG, together with the other experiments of the Rosetta Plasma Consortium (RPC). Experiments similar to the RPC-MIP instrument onboard Rosetta will be launched with future space exploration missions, such as BepiColombo (towards Mercury) and JUICE (towards Jupiter and Ganymede).

Required skills:

- Physics and Mathematics skills (plasma / fluid dynamics);
- data analysis, signal processing, statistics;
- computational skills (IDL, matlab or equivalent);
- team work and interactions with international research teams.

Potential candidates are invited to send a CV + publication records + cover letter through the CNRS job portal (<https://emploi.cnrs.fr/Offres/CDD/UMR7328-PIEHEN-001/Default.aspx>) or directly to pierre.henri@cnrs-orleans.fr

The position is opened until closed (with some preference for a start between September 2017 and January 2018). The initial contract is for 1 year, with a possible extension for a second year.