

POST-DOCTORAL POSITION IN SOLAR PHYSICS AT LATMOS

The HEPPI department (Héliosphère, Exosphères Planétaires, Plasmas et Interfaces) of the Laboratoire Atmosphères, Milieux, Observations Spatiales (LATMOS) is involved in the next generation of solar missions, in particular in their imaging instruments: WISPR on the Parker Solar Probe (PSP, a NASA mission), HI and METIS on Solar Orbiter (SOLO, an ESA-NASA mission). The first two are heliospheric imagers and the third is a coronagraph. In this framework, we are looking for a candidate to support his/her application to a post-doctoral fellowship funded by the Centre National d'Etudes Spatiales (CNES), see detail at the site: <https://cnes.fr/fr/theses-post-doctorats>. This fellowship program is opened to young scientists of any country holding a PhD diploma. It is granted for a nominal period of 1 year starting nominally on October 1st and usually extended to a second year. The deadline for the application is March 31, 2018.

The proposed research activities are centered on PSP/WISPR due to be launched in July/August 2018, with operations starting a few weeks later and culminating with its first perihelion passage at 0.18 AU in early November 2018 and second one in April 2019. They also concern the SOLO instruments (launch date in 2020). They will address the new, challenging question of in situ imaging of the solar corona and will consist in refining existing simulations of the K and F components of the corona, analyzing the WISPR images and interpreting the results in the framework of an international team. Detail of this research program will be elaborated with the successful candidate.

If you are interested, please contact and send a CV as soon as possible to Eric Quémerais (eric.quemerais@latmos.ipsl.fr) and Philippe Lamy (philippe.lamy@latmos.ipsl.fr).