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## Opening for a Post-doctoral position in LHCb Heavy Ions

A two-year postdoctoral position founded by the Paris-Saclay labex P2IO is opened in the joined LAL/LLR LHCb team.

There are currently 10 CNRS permanent researchers, 4 post-docs and 2 PhD students in the joined LAL/LLR team. The group is involved in the operation of the calorimeter and the preparation for the detector upgrades. Analysis activities, in pp collisions, are focused on B and  $B_c^+$  meson studies, search for D mesons rare decays and measurements of quarkonia properties. The group is also strongly involved in the study of heavy flavors production in heavy ion collisions, for which first data have just been recorded in late 2015.

The fellow will participate in this new effort to precisely study the features of the Quark Gluon Plasma. More precisely, the fellow will study heavy flavor (charmonium and/or open charm) productions in heavy ion collisions with the LHCb detector, in its “fixed-target” (SMOG) mode, benefiting from the deep expertise of the team both on the detector and physics aspects. She or he will also be invited to participate in the common efforts on reconstruction software, simulation or luminosity measurements.

The postdoc will be based at LLR with frequent visit at LAL. She or he will regularly go to CERN to participate in data-taking and monitoring of the detector.

Applicants should have a PhD (or a fixed date of defense) and not more than 6 years of postdoctoral experience. The contract should start by the end of summer 2016.

Applications should include curriculum vitae and at least two letters of reference to be sent to Frédéric Fleuret ([fleuret@llr.in2p3.fr](mailto:fleuret@llr.in2p3.fr)) and Patrick Robbe ([robbe@lal.in2p3.fr](mailto:robbe@lal.in2p3.fr)) before march 31<sup>st</sup> 2016.



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