Postdoctoral position in Nuclear/Particle Physics (experiment and phenomenology)

The Laboratory for Nucleon Structure at the Department of Nuclear Physics (IRFU/DPhN) at University of Paris-Saclay and the Laboratoire Leprince-Ringuet (LLR) at École Polytechnique invite applications for a 2-year postdoctoral position in nuclear/particle physics with a possible extension of 1 year, in the Saclay-Palaiseau area in France.

The successful candidate will first join the group of physicists contributing to the COMPASS experiment at the CERN SPS. The Saclay COMPASS group is heavily involved in hadron structure studies using both muon and meson beams. The appointed candidate is expected to take part in the analysis of the unpolarized pion-induced Drell-Yan and J/psi production data collected in 2015 and 2018 on nuclear targets and their phenomenological interpretation. The initial appointment at IRFU/DPhN will be followed by an appointment at the Laboratoire Leprince-Ringuet for a similar work with the CMS experiment at the CERN LHC. Pursuing the same objective,

The postdoc researcher will end up with a unique extended knowledge of QCD effects, from fixed targets to collider data at the highest energies. The postdoc will be an active member of both CERN collaborations, and interactions with theorists funded by the same research proposal (Coldloss, ANR CE-31) will be encouraged in interpreting the experimental results. Applicants should either have a PhD in nuclear/particle physics or will soon submit a PhD dissertation in that area. Personal skills such as self-motivation, independence, initiative and the ability to communicate will be particularly appreciated. Regular trips to CERN for discussions and presentations are expected.

Applicants should submit a resume highlighting personal research achievements, a list of publications where your contributions were significant, and a statement of research interests and expertise. In addition, the applicant should arrange for three letters of recommendation to be sent.

The deadline for applications is January 15, 2019 or until the position is filled.

Questions and applications should be sent to:

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and   raphael.granier.de.cassagnac@cern.ch (CMS, LLR).