

Applications are invited for a postdoctoral position in the theory group at the IPNL (Institut de Physique Nucleaire de Lyon), supported by the Labex LIO (Lyon Institute of Origins) under grant ANR-10-LABX-66. The postdoctoral position will start on September 2016 and last for a period of two years (a later starting date by up to few months can be negotiated if needed).

The postdoc will take part to the research activity of the IPNL theory group, in a domain at the frontier of particle and nuclear physics, in a research group lead by G.Cacciapaglia and H.Hansen. The IPNL is an IN2P3 laboratory with a strong experimental base at the LHC (CMS and Alice), in nuclear physics, neutrinos and observational cosmology. The postdoc is expected to collaborate with other members of the theory group, especially Aldo Deandrea (collider phenomenology), Jerome Margueron (nuclear astrophysics) and Helene Courtois (cosmology). The optimal required competences are in the domain of non-perturbative calculations and equations of state (both analytical and numerical) in effective models for strong interactions (e.g. NJL like models) applied to strongly interacting models of weak interactions. Applications to the physics of phase transitions, compact stars and the phenomenology of Dark Matter will be pursued.

Please direct informal enquiries about the role to [g.cacciapaglia@ipnl.in2p3.fr](mailto:g.cacciapaglia@ipnl.in2p3.fr) and [h.hansen@ipnl.in2p3.fr](mailto:h.hansen@ipnl.in2p3.fr). Applications should be sent by email to [pnjlpostdoc@gmail.com](mailto:pnjlpostdoc@gmail.com), and should include a CV, a statement of research interests and a publication list. The candidate should arrange for two letters of recommendation to be sent to the same address.

Preference will be given to applications received before the 25th of December. Later applications will be considered as long as the position has not been filled (not later than the 15th of January).