



UNIVERSITÉ  
PARIS-SUD 11



## Postdoctoral Position (2 years) in Quarkonium Physics, QCD Corrections and $k_T$ Factorisation

We invite applications of outstanding candidates for a joint postdoctoral position between the Laboratory of Theoretical Physics (LPT) and the Institute of Nuclear Physics (IPN) of Paris-Sud XI University. The position, starting in the fall 2011, will be funded by the P2I (Physique des 2 Infinis) network to investigate on  $k_T$  factorisation and higher-order QCD corrections and their application to quarkonium hadro-production at the LHC, the Tevatron and RHIC.

The successful applicant will be appointed in the theory group of IPN and in the particle physics group of LPT, which are both in the campus of Orsay, to work with both J.P. Lansberg (IPN) and S. Wallon (LPT). The two groups are each formed by approximately fifteen permanent researchers, with the same numbers of postdocs, PhD students and visiting scientists. They are also involved in a variety of international research collaborations and maintain close contacts with the nearby theory groups of Ecole polytechnique and CEA-Saclay. Moreover, close collaboration and research exchanges are envisioned within this project with Pr. L. Szymanowski and with various experimental groups of Paris Sud XI U. (IPN, LAL), Ecole polytechnique (LLR) and CEA-Saclay (SPhN, SPP).

The Orsay campus comprises the Faculty of Science and laboratories belonging to large independent research organisations. The Faculty welcomes over 13 000 students and 2100 PhD students, and has a staff of 1700 professors and researchers, 1 800 administrative and technical workers. Its numerous academic buildings and 60 research laboratories are located on an exceptional 200-acre woodland site containing many rare species of flora. Education and research programs cover the fields of biology, chemistry, electronics, computer sciences, mechanics, mathematics, physics, earth sciences and physical education.

The postdoctoral appointment will be for two years, with the possibility of extension (depending on performance and availability of funds) in exceptional circumstances. We offer a competitive salary, depending on experience and adequate travel funds.

Applicants are expected to hold, or to anticipate receiving, a PhD in theoretical particle physics, and to have already shown outstanding research abilities and potential. The successful applicant will likely have a strong research background and research interests close to the project envisioned.

The review of applications will start on **December 20th 2010**. However, applications will continue to be considered until the position is filled.

Applications including a CV, a list of publications, and a description of past research and future research interests, should be sent, by e-mail to:

**J.P. Lansberg & S. Wallon** ([lansberg@in2p3.fr](mailto:lansberg@in2p3.fr) & [Samuel.Wallon@th.u-psud.fr](mailto:Samuel.Wallon@th.u-psud.fr))

Applicants should also arrange for three letters of reference to be sent to the same e-mail addresses.

For further information, please contact **S. Wallon** and/or **J.P. Lansberg**.