

Post-doc position at IPN Orsay in the frame of Spiral2PP

Within a large European collaboration a new multidetector γ -array PARIS (Photon Array for Radioactive and Stable Ion beams) is at present being developed in order to provide future radioactive nuclear beam facilities like Spiral-2, Spes and Fair with a state of the art γ -spectrometer and calorimeter. It will be based on a unique combination of very high efficiency for a large range of γ -energies (few hundreds of keV to few tens of MeV) and the highest resolution scintillation materials nowadays can reach. The PARIS array is presently in its R&D and design study phase and it has been selected as part of the Preparatory Phase of the Spiral-2 project within the FP7 programme of the European Commission (for more information please visit <http://paris.ifj.edu.pl/>).

In this context the Nuclear Structure group at the IPN Orsay is currently accepting applications for a 2 years post-doc position. The post-doc will be responsible for simulation, test-bench validation and in-beam prototype experiments in view of a comprehensive characterisation of the detector performance. The results will provide direct and innovative input for the next generation of nuclear physics γ -calorimeters in particular the PARIS detector .

The selected candidate will also take part in the other running projects of the group at Orsay, centered on nuclear structure and the evolution of magic numbers far from stability. For more information please contact Faïçal Azaiez (azaiez@ipno.in2p3.fr, ++33 1 6915 7105) or Serge Franchoo (franchoo@ipno.in2p3.fr, ++33 1 6915 7198).