



## POSTDOCTORAL POSITION IN ICECUBE ICECUBE AT ULB, BRUSSELS – BELGIUM

**The Service de Physique des Particules Élémentaires of the Université Libre de Bruxelles - ULB invites applications for a postdoctoral research position within the IceCube collaboration.**

The Service is part of the Inter-University Institute for High Energies **IIHE (ULB-VUB)**, which combines the experimental particle and astro-particle research groups from both Brussels universities, ULB and VUB, and presently numbers more than 80 physicists, engineers and support staff. It is involved in frontier research in large international collaborations as **IceCube/ARA** (South Pole) and **CMS** (at the LHC), as well as **R&D activities** in detector development, data acquisition systems and electronics.

The IceCube detector, located at the Geographic South Pole, is the world's largest observatory searching for astrophysical neutrinos with energies ranging from a few GeV to PeV (<http://icecube.wisc.edu/>). IceCube has recently provided the first evidence of extra-terrestrial high-energy neutrinos. Following this success, several upgrades are foreseen that will expand the energy range to the lower and higher energies. The **IIHE (ULB-VUB) IceCube group** is an international group of about 20 scientists working on different aspects of the detector and English is the working language of the group.

The suitable candidate will collaborate on both the **data analysis of IceCube** as well as on the commissioning of the future **IceCube upgrades including R&D activities** on novel photo-detection devices. Experience in photo-detectors, especially on SiPMs as well as on data analysis and laboratory activities are highly desirable. The position does not impose teaching duties, but contributions to teaching are possible. The salary is competitive and includes all social security benefits (information is available on request).

The positions will remain open until suitable candidates are found. Interested candidates are encouraged to **apply before October 20th, 2014**, when a first application screening will take place. Applications should be sent by email (with subject "IceCube – post-doc position") to **J. A. Aguilar** via the IIHE-ULB secretariat. They should include a detailed CV, a letter of motivation and the names of 3 referees.

**Contact : J. A. Aguilar** - via the IIHE secretary : **Audrey.Terrier@ulb.ac.be**

**Phone :** +32-2-629.3202

**IIHE web site :** <http://w3.iihe.ac.be>