

## **ANTARES Post-Doctoral Research Position at IFIC – Instituto de Fisica Corpuscular of Valencia**

The *Instituto de Fisica Corpuscular* (IFIC) invites applications for one post-doctoral research position in experimental Neutrino Astroparticle Physics. The successful candidate is expected to work in the analysis of the data provided by the already operating ANTARES neutrino telescope. The work will focus on the search of point-like neutrino sources. The candidate will also contribute to the work on time and position calibration of the detector, related in particular to the Optical Beacon system.

The successful candidate is expected to join the group some time during 2008, preferably at the earliest date that the selection procedure and the candidate availability will permit. The position is initially for a period of one year, with the possibility of extension by an additional year. At this stage of the selection procedure only a curriculum vitae and a list of publications are required. References on the candidate's past work are welcome. Interested candidates should send them to the following e-mail address: [Juan.J.Hernandez@ific.uv.es](mailto:Juan.J.Hernandez@ific.uv.es) .

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The *Instituto de Fisica Corpuscular* (IFIC), located in Valencia, is a research laboratory supported by the Spanish Research Council (CSIC) and the University of Valencia (UVEG). IFIC covers a wide variety of research activities in Nuclear, Particle and Astroparticle Physics with major involvement in different experiments and research activities (ANTARES, KM3NeT, ATLAS, BaBar, CROSSGRID/LCG, T2K, and others). In ANTARES, an undersea neutrino telescope, the group at IFIC has had a major involvement in the design, construction and operation of a calibration system based on short-pulsed light sources. IFIC has contributed to the development of algorithms for track and energy reconstruction and to the methods for the search of neutrino point-like sources.

Following Spanish law, IFIC promotes an equal gender policy.

Extract of the Report of the *External Peer Review Panel* on *Theoretical and Experimental Physics* for assessment on the Strategic Plans of the CSIC Centres and Institutes:

“IFIC has a sound vision of its research program and a strategy to achieve its goals which in the past turned out to be successful. It has become one of the leading European institutes in the field with a high international profile. The close cooperation between UVEG and CSIC researchers in a joint institute as well as the close collaboration of theoretical and experimental physicists is the basis of the success [...]. The institute is very attractive for young scientists from Spain and foreign countries.”