



Ciemat

Centro de Investigaciones
Energéticas, Medioambientales
y Tecnológicas

Postdoctoral position appointment

The CIEMAT High Energy Physics group is seeking for a highly qualified PhD particle physicist for a postdoctoral research position to work on the Double Chooz neutrino experiment. The Double Chooz experiment is the most advanced reactor neutrino experiment able to measure the θ_{13} mixing angle in the next years in the nuclear power station of Chooz in France.

The Double Chooz CIEMAT group is a young and active group playing a leading role in the photomultiplier system mechanics, magnetic shielding and HV splitter electronics for the Double Chooz experiment. The group is now fully involved in the construction phase of the far detector and in the development of the simulation and analysis software.

The successful candidate is expected to take part in the hardware activities of the group, far and near detector commissioning and actively participate in collection and physics analysis of the first neutrino data expected in 2008. The tasks also include the supervision of students at postgraduate level. The candidate must have a PhD degree in experimental particle physics, very good English knowledge and extensive experience in modern programming languages such as C++ and scripting languages. The experience in underground particle detectors, specially in neutrino experiments and in physics analysis will be valued.

The research position can be held for a maximum of five years and will be based in Madrid with expected travel to France and other collaboration institutes. The position will be available as soon as the candidate will be identified.

Applications, including a CV, statement of interests and letters of reference, should be sent (electronic version by e-mail preferred) by **latest October 15, 2007**, to:

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For additional details about the post please contact ines.gil@ciemat.es. Further details about the work of the CIEMAT HEP group can be found at: <http://wwwae.ciemat.es>.