

## POST-DOCTORAL POSITION IN NEUTRINO EXPERIMENTAL PHYSICS AT CIEMAT (Madrid- Spain)

### **AM-OTECH** **(EIC-PATHFINDER-H2020)**

The CIEMAT Neutrino Group at the Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT) in Madrid (Spain) is seeking candidates for a one-year Postdoctoral Position in Experimental Neutrino Physics (extendable up to a maximum of three years) to work on the new LiquidO technology in the scope of the EIC-Pathfinder project AM-OTech (<https://antimatterotech.iyclab.in2p3.fr/>).

The AM-OTech project aims to construct and operate a 5-tonne neutrino detector based on LiquidO technology for nuclear reactor applications. A fundamental science programme on reactor neutrino physics is also associated to this project. The successful candidate will assume responsibilities in the design and construction of the detector and will be involved in the simulation and data analysis of the experiment.

The CIEMAT Neutrino Group has a long experience in Reactor Neutrino Experiments and is also participating in DUNE and SBND experiments at Fermilab, as well as, in the ProtoDUNE program at CERN Neutrino Platform.

Candidates must have a PhD in Experimental Particle Physics. Experience in neutrino detectors or low-background underground physics will be specially recognized.

For the expression of interest, please email a CV to Dr. Carmen Palomares ([mc.palomares@ciemat.es](mailto:mc.palomares@ciemat.es)).

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*The CIEMAT Particle Physics Unit is an affirmative action/equal opportunity employer. Eliminating gender inequalities by promoting equal opportunities for men and women is a core compromise of our group and it is our commitment to establish the necessary actions to close the gender gap. More information in en <http://cfp.ciemat.es/equality>*