



MINISTERIO
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<http://ific.uv.es/>



**Gamma Spectroscopy
and Neutrons Group**

<http://webgamma.ific.uv.es/gamma/en>

October 8th, 2018

Offer: Predoctoral Contract for a PhD in Experimental Nuclear Physics

We offer a Predoctoral Contract for PhD students (old FPI grants) at the Center Severo Ochoa of Excellence **Instituto de Física Corpuscular** (CSIC and University of Valencia) to work in research related to the project "Nuclear structure and astrophysics experiments with radioactive ions and neutron beams and applications" (FPA2017-83946-C2-1-P, PI: J.L. Tain, C. Domingo).

The successful candidate will work on the measurement of decay properties of the doubly magic nucleus ^{100}Sn using the total absorption gamma-ray spectroscopy technique with our newly developed DTAS spectrometer. The experiment will be carried at the radioactive beam facility of the RIKEN Nishina Center in Japan. The responsibilities of the PhD student will be: preparation of the experimental campaign, realization of the measurements, data analysis, and interpretation of results in the light of theoretical calculations. As part of his training, the student will participate also in other research projects and experiments carried out by the group.

We are searching for well-motivated, creative students, with proven academic track records and keen of experimental work. Studies in nuclear and particle physics and experimental techniques will be valued. The candidates must hold a Master degree. They must be proficient in English and have good communication and team-working skills to be able to work in an international collaboration.

The official call for candidates from the Ministry with all the necessary information can be found on this link:

<http://www.ciencia.gob.es/portal/site/MICINN/menuitem.dbc68b34d11ccbd5d52ffeb801432ea0/?vgnnextoid=131955e2d5e01610VgnVCM1000001d04140aRCRD&vgnnextchannel=115222e988f75610VgnVCM1000001d04140aRCRD>

The dead line for application is October 29th, 2018. For further information please contact: A. Algora: algora@ific.uv.es / B. Rubio: rubio@ific.uv.es