



# Ph. D. GRANT OFFER

The **Radiation Detectors group** at the **Microelectronics National Center (IMB-CNM)** located in Barcelona, Spain, is offering a grant to realize a **Ph. D. in Physics** to work on Low Gain Avalanche Detectors in the area of X-ray detectors for synchrotron applications.

The main research activity is the development of Low Gain Avalanche Detectors for pixelated X-ray detectors including technological and electrical simulation, detector design, technology setup, fabrication and characterization for the **European Synchrotron Radiation Facility (ESRF) in Grenoble, France**.

The selected candidate is expected to travel for short periods at the ESRF for testing campaigns.

**TERM OF APPOINTMENT:** 3 years.

**TO APPLY:** Applications are accepted contacting directly by email: **Dr. Giulio Pellegrini** ([giulio.pellegrini@csic.es](mailto:giulio.pellegrini@csic.es)), and must include a curriculum vitae and a confidential letter of reference<sup>1</sup>. Candidates must be EU citizens or hold a valid Working (Employment) Schengen Visa.

Documents/materials must be submitted as PDF files. Selected candidates will be contacted by April 2018.

**POSITION AVAILABLE:** Expected start date May 2018.

**BASIC QUALIFICATIONS:** Master in Physics or related field.

More information on CNM activities at:

IMB-CNM activities: <http://www.imb-cnm.csic.es/>

ESRF activities: <http://www.esrf.eu/>

[1] <https://arxiv.org/abs/1704.08666>



<sup>1</sup> All letters will be treated as confidential.