



**MultiDark Project**

<http://projects.ift.uam-csic.es/multidark>

Programme Consolider-Ingenio 2010  
Ministry of Science and Innovation  
Spain

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## **Postdoctoral Position at the MultiDark/CDMS group Institute for Theoretical Physics (IFT-UAM/CSIC), Madrid, Spain**

The MultiDark/CDMS group of the Institute for Theoretical Physics, Madrid (Spain), invites applications for a postdoctoral position to work in the Cryogenic Dark Matter Search (CDMS) experiment and contribute to the development of Monte Carlo background estimation, data analysis and the interpretation of the data. The CDMS collaboration is starting a run at Soudan this October with a new SuperCDMS detector design which greatly improves background rejection. The candidate will also be contributing to the design of a new 100kg experiment targeted for the much deeper SNOLAB site.

The initial appointment for this position is two years, with the possibility of extending it for a third year. The starting date can be during 2012, to be arranged with the applicant. The postdoctoral associate is expected to spend a significant amount of time at one of the CDMS centers in US and contribute to the training of the Ph.D. student in the group.

Prospective candidates should have a Ph.D. or equivalent and are expected to be experienced in Monte Carlo tools (GEANT4), particle detection techniques involving gamma rays, beta and alpha particles and neutrons, and have an understanding of radioactivity and its interactions with materials.

Applicants for this position should provide a curriculum vitae with a list of publications to the address below. In addition, they should arrange for three letters of recommendation to be sent directly to

Dr. David G. Cerdeno

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Review of applications will begin 1 January 2012 and will continue until the position is filled.

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