

# FPI-MEC predoctoral fellowship at the UAM

The Spanish Ministry of Science and Education (MEC) offers a fellowship (FPI) to carry out a PhD Thesis on Theoretical Particle Physics at the Universidad Atónoma de Madrid (UAM). This fellowship is associated to the MEC grant/project FPA2006-05423, entitled:

'Study of new physics in the unknown sectors of the Standard Model, its extensions and theories with extra dimensions'.

The PhD Thesis will be supervised by one of the senior members of the Theoretical Particle Physics Group at the UAM. It is a relatively big group with 23 research members (10 with permanent positions, 3 with a Ramon-Cajal position, 3 Posdoctoral fellows and 7 PhD students) that belong to the Department of Theoretical Physics and/or the Institute of Theoretical Physics, both at the UAM-Cantoblanco Campus. The permanent members are E. Alvarez, A. Donini, A. Gavela, A. Gonzalez-Arroyo, M.J. Herrero, L. Ibañez, C. López, E. López, C. Muñoz and F.J Yndurain. The research interests of the group cover a wide range of areas within the fields of Theory and Phenomenology of Particle Physics. They include among others the following: I) Unknown aspects of the SM, like the Higgs sector physics, CP violation, non-perturbative QCD physics, etc; II) Neutrino Physics; III) New Phenomena in Extensions of the Standard Model, like extended Higgs sectors, Supersymmetric Models, Models with extra dimensions, etc, IV) Construction of String Models and study of their associated phenomenology, V) Some Cosmo/Astro aspects of Particle Physics, such as scenarios for Dark matter, Dark Energy, Baryogenesis/Leptogenesis etc. For more information on the group activities visit the web pages: [www.ft.uam.es](http://www.ft.uam.es) and [gesalerico.ft.uam.es](http://gesalerico.ft.uam.es).

The official MEC call for applications, with all the instructions for applicants to follow, is about to be published at the BOE (Boletín Oficial del Estado, web address: [www.boe.es](http://www.boe.es). Visit also the MEC page for more info: [www.mec.es/ciencia/becas/](http://www.mec.es/ciencia/becas/)). Notice that the period for applications lasts only 15 days. The fellowships are for a period of (maximum) four years and the starting date will be the first day of either July, August or September 2007.

Applicants should also contact, as soon as possible, with:

María José Herrero,

Departamento de Física Teórica, C-XI-505, Universidad Autónoma de Madrid, Cantoblanco, 28049 Madrid, Spain

Tel: +34914973913; Fax: +34914973936

email: [maria.herrero@uam.es](mailto:maria.herrero@uam.es)