

## Becas 2005-2006

### **CENTRO DE INVESTIGACIONES ENERGETICAS MEDIOAMBIENTALES Y TECNOLOGICAS (CIEMAT), SPAIN**

CIEMAT offers the following GRANTS, open to participation from all HELEN Institutions in Latin America.

Applicants must send their application, using the special CIEMAT form, to **the Interlocutor of their own Institution.**

The corresponding Local Committee will make, **for each Grant**, a list of the applicants with the correct qualification **in order of merit.**

The CIEMAT Local Committee will make, out of these proposals, a unique, ordered list of applicants and send it to the Central Committee for approval.

#### **CIEMAT Local Committee:**

**Dr. Juan Antonio Rubio (Chair)**

**Dr. Marcos Cerrada**

**Dr. Nicanor Colino**

Alternating Members:

Dr. Javier Berdugo

**DESTINATION: CIEMAT-MADRID OR CIEMAT-TRUJILLO (only profile n° 5)**

**Latin America to Europe**

<b>Grant</b>	<b>Type</b>	<b>Work program</b>	<b>Months</b>	<b>Host Institution</b> <b>Country</b>
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1.	AT	LHC Program: CMS experiment. Commissioning of the CMS Barrel Muon Detector; preparation for physics analysis in CMS; CMS GRID Computing. (Tutor: Marcos Cerrada)	12	CIEMAT-Madrid Spain
2.	AT	AMS experiment: Assembly of the RICH detector. (Tutor deputy: Javier Berdugo)	12	CIEMAT-Madrid Spain
3.	AT	LHC Program: ALICE Experiment. Work on detector simulation and data analysis preparation. <u>Being ALICE collaborator would be appreciated.</u>  (Tutor deputy: Pedro Ladrón de Guevara)	12	CIEMAT-Madrid Spain
4.	AT	Systems for detection and reconstruction of 3D-images, based on Compton interactions: detectors analysis and algorithms design.  (Tutor deputy: Miguel Embid)	12	CIEMAT-Madrid Spain
5.	AT	Grid Administration: installation and configuration of new nodes; performance of applications running on the deployed grid infrastructure. Previous knowledge and skills in Linux/ Unix administration is required.  (Tutor deputy: Miguel Cárdenas)	12	CIEMAT-Trujillo (Extremadura) Spain
6.	AT	Development of data communication software based on GRID technology.  (Tutor deputy: Jesús Casado)	12	CIEMAT-Madrid Spain