

**CENTRO DE INVESTIGACIONES ENERGETICAS
MEDIOAMBIENTALES Y TECNOLOGICAS (CIEMAT)
ESPAÑA**

**CIEMAT-HELEN FELLOWSHIPS- 2nd YEAR (2006-2007)
SECOND CALL**

Local Committee:

Dr. Juan Antonio Rubio (Chair)
Dr. Marcos Cerrada
Dr. Nicanor Colino

**DESTINATION: CIEMAT-MADRID OR CIEMAT-TRUJILLO (only
profile nº 5)**

Latin America to Europe

Grant	Type	Work program	Months	Grant-Holder Sending Institution Country
1.	AT	<i>LHC Program: preparation for data taking and physics analysis in CMS. Background: Ph. D. work in progress, oriented to experimental Particle Physics and experience in software or hardware (silicon) tools related to HEP experiments will be valued. Some parts of the work will be done in other Institutions in the Collaboration. Tutor: Juan Pablo Fernandez</i>	12	<i>Not assigned</i> (lack of certification)
2.	AT	<i>LHC Program: analysis of the data to be produced in the LHC CERN experiment ALICE. Background: physicist; with experience in experimental ultrarelativistic ion collision experiments and some experience on physics analysis and the use of the associated software. Previous experience in ALICE and availability to make short trips to CERN will be valued. Tutor: Pedro Ladrón de Guevara</i>	12	Pedro GONZALEZ ZAMORA Benemérita Universidad Autónoma de Puebla México

3.	AT	AMS experiment: Assembly of the RICH detector. Background: Ph.D. work in progress, oriented to experimental Particle Physics and experience in software or hardware tools related to HEP experiments will be valued. Tutor: Javier Berdugo	12	Not assigned (no candidates)
4.	AT	Medical Physics. Development of algorithms to be used in radiotherapy (IMRT and IMPT) and radiodiagnostic (reconstruction of 3D images) areas. Background: Physicist or industrial or IT engineer; experience in C++, fortran99 and Montecarlo programs will be valued. Tutor: Miguel Embid	12	Glaucia PEREIRA Universidade Federal do Rio de Janeiro – UFRJ Brazil (12-month extension)
5.	AT	Grid Administration: installation and configuration of new nodes; performance of applications running on the deployed grid infrastructure. Background: Previous knowledge and skills in Linux/ Unix administration is required. Tutor: Miguel Cárdenas Place: Trujillo-Extremadura	12	Daniel Omar BADAGNANI Universidad Nacional de La Plata Argentina