

**MEXICO**  
**Becas 2005-2006**

**CENTRO DE INVESTIGACIÓN Y DE ESTUDIOS AVANZADOS**

**Local Committee:**

Dr. Arnulfo Zepeda (Chair)  
Dr. Gerardo Herrera  
Dr. Miguel Angel Pérez Angón

**Latin America to Europe**

Grant	Type	Work Program	Months	Host Institution Country	Grant Holder
1.	AT	ALICE. Work in detector integration. CERN Academic Programme.	6	CERN Switzerland	Elizabeth Castañeda Miranda
2.	AT	Phenomenology of supersymmetry effects in collider experiments. 2 of the 6 months at CERN.	6	Universitat de Barcelona Spain	Roberto Noriega-Papaqui
3.	AT	CMS . Work in detector integration. CERN Academic Programme.	6	CERN Switzerland	María Isabel Pedraza
4.	STT	ACORDE . Work in detector integration.	3	CERN Switzerland	Ricardo López Fernández
5.	STT	CERN Theory Group. Phenomenology of the Standard Model and its High Energy extensions.	3	CERN Switzerland	Ricardo Pérez Martínez
6.	STT	AUGER. Data analysis.	3	Roma "Tor Vergata" Italy	Rodrigo Pelayo Ramos
7.	RT	ALICE. Integration of V0 detector.	2	CERN Switzerland	Luis Manuel Montaña Zetina

<b>8.</b>	<b>RT</b>	CMS. Work in detector integration.	<b>2</b>	<b>CERN Switzerland</b>	<b>Pedro Luis Mauel Podestá Lerma</b>
<b>9.</b>	<b>RT</b>	Data Base for High Energy Physics Technologies in Latin America, under the guidance of a CERN professor.	<b>1</b>	<b>CERN Switzerland</b>	<b>Edgar Casimiro Linares</b>
<b>10.</b>	<b>RT</b>	Auger. Analysis of horizontal events.	<b>.5</b>	<b>Universidad de Santiago de Compostela</b>	<b>Humberto Salazar Ibargüen</b>

### **Latin America to Latin America**

<b>Grant</b>	<b>Type</b>	<b>Work Program</b>	<b>Months</b>	<b>Host Institution Country</b>	<b>Grant Holder</b>
<b>1.</b>	<b>STT</b>	AUGER. Work on the AIRES simulation package for the Auger Observatory.	<b>3</b>	<b>Universidad Nacional de La Plata Argentina</b>	<b>Jesús Alberto Martínez Castro</b>
<b>2.</b>	<b>RT</b>	AUGER. Work on the AIRES simulation package for the Auger Observatory.	<b>0.5</b>	<b>Universidad Nacional de La Plata Argentina</b>	<b>Enrique García Reyes</b>

# **UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO (UNAM)**

## **Local Committee:**

Dr. Arturo Menchaca (Chair) – IF-UNAM

Dr. Jorge Hirsch Ganievich – ICN-UNAM

Dr. Mercedes Rodríguez Villafuerte – IF-UNAM

## **Alternating Members:**

Dr. Alejandro Frank – ICN-UNAM

## **Latin America to Europe**

<b>Grant</b>	<b>Type</b>	<b>Work Program</b>	<b>Months</b>	<b>Host Institution Country</b>	<b>Grant Holder</b>
<b>1.</b>	<b>CT</b>	ALICE. DAQ of the ACORDE detector.	<b>6</b>	<b>CERN Switzerland</b>	<b>Patricio Reyes Rojas</b>
<b>2.</b>	<b>AT</b>	AMS. Training in the assembly of the RICH detector.	<b>10</b>	<b>CIEMAT Spain</b>	<b>Marciano Vargas Treviño</b>
<b>3.</b>	<b>STT</b>	ALICE-SIMULATION. Simulation software operation.	<b>3</b>	<b>CERN Switzerland</b>	<b>Pedro Luis Manuel Podestá Lerma</b>
<b>4.</b>	<b>STT</b>	ALICE-GRID. CERN group for data analysis communication software based on GRID technology.	<b>3</b>	<b>CERN Switzerland</b>	<b>Javier Alejandro del Pino Coronel</b>
<b>5.</b>	<b>STT</b>	AMS.Integration of the AMS detector under the supervision of Michel Buenerd.	<b>2</b>	<b>CERN Switzerland</b>	<b>Hermes León Vargas</b>
<b>6.</b>	<b>RT</b>	ALICE-DCS-TECN. Deployment of PVSS software for process visualization and control. Testing the control system.	<b>2</b>	<b>CERN Switzerland</b>	<b>Mario Iván Martínez Hernández</b>
<b>7.</b>	<b>RT</b>	CERN Theory Group. Standard Model and its High Energy extensions.	<b>1</b>	<b>CERN Switzerland</b>	<b>Myriam Mondragón Ceballos</b>
<b>8.</b>	<b>RT</b>	ALICE. Integration of V0 detector in ALICE.	<b>1</b>	<b>CERN Switzerland</b>	<b>Ruben Alfaro Molina</b>
<b>9.</b>	<b>RT</b>	AMS.Integration of the AMS detector in collaboration with Michel Buenerd.	<b>1</b>	<b>CERN Switzerland</b>	<b>Ernesto José María de la Salet Belmont Moreno</b>

## **BENEMÉRITA UNIVERSIDAD AUTÓNOMA DE PUEBLA (BUAP)**

### **Local Committee (in common with Universidad Michoacana de San Nicolás de Hidalgo):**

Dr. Cupatitzio Ramírez Romero (Chair) - BUAP  
Dr. Arturo Fernández Téllez - BUAP  
Dr. Luis Villaseñor Cendejas - UMSNH

### **Alternating Members:**

Dr. Jesús Toscano Chávez – BUAP  
Dr. Víctor Manuel Villanueva - UMSNH

### **Latin America to Europe**

<b>Grant</b>	<b>Type</b>	<b>Work Program</b>	<b>Months</b>	<b>Host Institution Country</b>	<b>Grant Holder</b>
<b>1.</b>	<b>AT</b>	ALICE. Electronics of the ACORDE detector.	<b>6</b>	<b>CERN Switzerland</b>	<b>Guillermo Tejada Muñoz</b>
<b>2.</b>	<b>RT</b>	ALICE. Assembly of the ACORDE detector.	<b>3</b>	<b>CERN Switzerland</b>	<b>Arturo Fernández Téllez</b>
<b>3.</b>	<b>RT</b>	ALICE. Configuration of the Detector Control System of the ACORDE detector.	<b>3</b>	<b>CERN Switzerland</b>	<b>Hdefonso León Monzón</b>
<b>4.</b>	<b>RT</b>	CERN Theory Group. Phenomenology of the Standard Model and its High Energy extensions.	<b>1</b>	<b>CERN Switzerland</b>	<b>Justiniano Lorenzo Díaz Cruz</b>

## Latin America to Latin America

Grant	Type	Work Program	Months	Host Institution Country	Grant Holder
1.	RT	AUGER. Computer simulations of the Auger Observatory in coll with Surface Detector group	0.5	Universidad Nacional de La Plata Argentina	Cesar Álvarez Ochoa
2.	RT	AUGER. Training with the calibration procedure of the Surface Detector	0.5	Universidad Nacional de La Plata Argentina	Oscar Mario Martínez Bravo

**UNIVERSIDAD MICHOACANA DE SAN NICOLÁS DE HIDALGO  
(UMSNH)**

**Local Committee (in common with Benemérita Universidad Autónoma de Puebla):**

Dr. Cupatitzio Ramírez Romero (Chair) - BUAP  
Dr. Arturo Fernández Téllez - BUAP  
Dr. Luis Villaseñor Cendejas - UMSNH

Alternating Members:

Dr. Jesús Toscano Chávez – BUAP  
Dr. Víctor Manuel Villanueva - UMSNH

**Latin America to Europe**

Grant	Type	Work Program	Months	Host Institution Country	Grant Holder
<b>1.</b>	STT	ACORDE-ALICE. Work on detector simulation and detector integration.	<b>2</b>	<b>CERN Switzerland</b>	<b>Mario Alberto Castillo Maldonado</b>
<b>2.</b>	RT	Transfer of technology from CERN to Mexico and Latin America. Work on new detector technologies applied to PET imaging.	<b>1</b>	<b>CERN Switzerland</b>	<b>Rosa Elena Sanmiguel Domínguez</b>

**Latin America to Latin America**

Grant	Type	Work Program	Months	Host Institution Country	Grant Holder
<b>1.</b>	RT	AUGER. Work on air shower simulation and data analysis for the Pierre Auger Observatory.	<b>0.5</b>	<b>Centro Brasileiro de Pesquisas Físicas Brasil</b>	<b>Luis Villaseñor Cendejas</b>