

MEXICO

Grants for the Third Year (2007-2008)

FIRST CALL

CENTRO DE INVESTIGACION Y DE ESTUDIOS AVANZADOS DEL IPN

Local Committee:

Arnulfo Zepeda (Chair)
Gerardo Herrera
Miguel Angel Perez

Latin America to Europe

Grant	Type	Work Program	Months	Host Institution Country
1.	RT	Installation of V0A in P2 of ALICE. <i>Tutor: J. P. Revol</i>	1	CERN Switzerland
2.	STT	Data taking with VOL at LHC. <i>Tutor: J. P. Revol</i>	2	CERN Switzerland
3.	RT	Adjustment of CMS trigger and data taking. <i>Tutor: Lucia Silvestris</i>	2	CERN Switzerland
4.	RT	Work on ALICE commissioning and on accelerator technology. <i>Tutor: Juergen Schukraft</i>	4	CERN Switzerland
5.	AT	H1: K0s Analysis of all DIS HERA II data. Measurement of x-section. Use of K0s to find other particles; e.g. Λ_c . <i>Tutor: Dr. E. Elsen</i>	6	DESY Germany
6.	STT	<i>Work on the construction of the LIBO accelerator for proton therapy.</i> <i>Tutor: Prof. Ugo Amaldi</i>	2	CERN Switzerland
7.	RT	ALICE: First data taking in pp collisions. <i>Tutor: Dr. A. Morsch</i>	1	CERN Switzerland
8.	RT	Analysis of inclined cosmic ray showers at pierre Auger Observatory, <i>Tutor: Enrique Zas</i>	6	Universidad de Santiago de Compostela Spain

Latin America to Latin America

Grant	Type	Work Program	Months	Host Institution Country
1.	RT	Installation of the muon detector and calibration. <i>Tutor: Ingomar Allekotte</i>	1.5	Pierre Auger Observatory Argentina
2.	STT	Take FD and SD data, take Lidar data, install electronics in SD. <i>Tutor: Julio Rodriguez</i>	1	Pierre Auger Observatory Argentina

UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO

Local Committee:

Dr. Arturo Menchaca (Chair) – IFUNAM
Dr. Jorge Hirsch Ganievich – ICN-UNAM
Dr. Mercedes Rodríguez Villafuerte – IFUNAM

Alternating Members:

Dr. Alejandro Frank – ICN-UNAM

Latin America to Europe

Grant	Type	Work Program	Months	Host Institution Country
9.	RT	V0A integration in ALICE <i>tutor/responsible: Paolo Giubellino</i>	1	CERN Switzerland
10.	RT	V0A beam test in ALICE <i>tutor/responsible: Paolo Giubellino</i>	1	CERN Switzerland
11.	RT	V0A beam test in ALICE <i>tutor/responsible: Paolo Giubellino</i>	1	CERN Switzerland
12.	RT	Theory Group: Supersymmetry <i>tutor/responsible: Luis Alvarez Gaume</i>	1	CERN Switzerland
13.	RT	Parton energy loss <i>tutor/responsible: Nestor Armesto</i>	0.5	Universidad de Santiago de Compostela Spain
14.	RT	Physics of neutrinos <i>tutor/responsible: Jose Bernabeu</i>	1	Universidad de Valencia Spain
15.	RT	Cosmic Ray composition <i>tutor/responsible: Fernando Arqueros</i>	0.75	Universidad Complutense Spain
16.	RT	Baryon production in gamma jet events <i>tutor/responsible: Andreas Morsch</i>	1	CERN Switzerland
17.	RT	Aperture and acceptance for inclined air showers in the Pierre Auger Observatory". <i>tutor/responsible: Enrique Zas</i>	0.5	Universidad de Santiago de Compostela Spain

18.	STT	V0A integration in ALICE <i>tutor/responsible: Paolo Giubellino</i>	1	CERN Switzerland
19.	STT	V0A integration in ALICE <i>tutor/responsible: Paolo Giubellino</i>	2	CERN Switzerland
20.	STT	V0A integration in ALICE <i>tutor/responsible: Paolo Giubellino</i>	2	CERN Switzerland
21.	STT	V0A data taking in ALICE <i>tutor/responsible: Paolo Giubellino</i>	1	CERN Switzerland
22.	STT	AMS-RICH tests <i>tutor/responsible: M. Buenerd</i>	2	LPSC, Grenoble France
23.	STT	GRID computing middleware <i>tutor/responsible: F. Carminati</i>	1	CERN Switzerland
24.	STT	Optimization of the jet analysis in pp at 14 TEV <i>tutor/responsible: A. Morsch</i>	1	CERN Switzerland
25.	STT	Preparation for first pp physics data <i>tutor/responsible: J-P Revol</i>	1	CERN Switzerland
26.	STT	Reconstruction of strange hadrons <i>tutor/responsible: A. Morsch</i>	1.5	CERN Switzerland
27.	STT	Optimization of jet analysis algorithms in heavy ion collisions <i>tutor/responsible: Andreas Morsch</i>	1.5	CERN Switzerland

Latin America to Latin America

Grant	Type	Work Program	Months	Host Institution Country
3.	RT	Installation of the BATATA muon detector and calibration <i>tutor/responsible: Ingomar Allekotte</i>	1	Pierre Auger Observatory Argentina
4.	RT	Calibration of the BATATA muon detector and data taking <i>tutor/responsible: Ingomar Allekotte</i>	1	Pierre Auger Observatory Argentina

UNIVERSIDAD MICHOACANA DE SAN NICOLAS DE HIDALGO

Local Committee:

Dr. Cupatitzio Ramirez (Chair)

Dr. Arturo Fernandez

Dr. Luis Villasenor

Alternating Members:

Dr. Jesus Toscano

Dr. Victor Villanueva

Latin America to Latin America

Grant	Type	Work Program	Months	Host Institution Country
1.	STT	Graduate student Work on the AMIGA upgrade for the Pierre Auger Observatory. <i>Tutor/responsible: Joao Dos Anjos</i>	2.0	Centro Brasileiro de Pesquisas Físicas, Rio de Janeiro, Brazil
2.	RT	AUGER. Person with PhD. Work on the AMIGA upgrade for the Pierre Auger Observatory. <i>Tutor/responsible: Joao Dos Anjos</i>	0.75	Centro Brasileiro de Pesquisas Físicas, Rio de Janeiro, Brazil

BENEMÉRITA UNIVERSIDAD AUTÓNOMA DE PUEBLA

Local Committee:

Cupatitzio Ramírez Romero (Chair)
Arturo Fernández Téllez
Luis Villaseñor Cendejas

Alternating Members:

Jesús Toscano Chávez
Víctor Manuel Villanueva Sandoval

Latin America to Europe

Grant	Type	Work Program	Months	Host Institution Country
1.	RT	ALICE. Graduate student to get acquainted with the Electronics of the ACORDE detector. <i>Tutor/responsible: Fabio Formenti</i>	2	CERN Switzerland
2.	RT	ALICE. Training in the installation/management of the ACORDE Data acquisition system. <i>Tutor/responsible: Pierre Vandervevre</i>	4	CERN Switzerland
3.	RT	ALICE. Training in the configuration of the ACORDE-ALICE trigger processor. <i>Tutor/responsible: Pierre Vandervevre</i>	3	CERN Switzerland
4.	RT	ALICE. Training in the configuration of the ACORDE-ALICE Detector Control System <i>Tutor/responsible: Lennart Jirden</i>	3	CERN Switzerland
5.	STT	ALICE-SIMULATION. Graduate student, to get acquainted with ALICE simulation software operation. <i>Tutor/responsible: Andreas Morsh</i>	3	CERN Switzerland

6.	STT	ALICE Trigger system. Graduate student, to get acquainted with the monitoring of the single and multi-muon cosmic trigger signals. <i>Tutor/responsible: Chris Fabjan</i>	3	CERN Switzerland
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Latin America to Latin America

Grant	Type	Work Program	Months	Host Institution Country
1.	RT	AUGER. Training on the computer simulations of the Auger Observatory in collaboration with the Surface Detector group <i>Tutor/responsible: Adalberto Avila</i>	1	Pierre Auger Observatory Argentina
2.	RT	AUGER. Training with the data tacking procedure of the Surface Detector. <i>Tutor/responsible: Adalberto Avila</i>	1	Pierre Auger Observatory Argentina