

BRAZIL

Grants for the Third Year (2007-2008) FIRST CALL

CENTRO BRASILEIRO DE PESQUISAS FÍSICAS – CBPF

Local Committee:

Dr. João Carlos dos Anjos (Chair)
Dr. Ronald Cintra Shellard
Dr. Gilvan Augusto Alves

Alternating Members:

Dr. Arthur Kós Maciel

Latin America to Europe

Grant	Type	Work Program	Months	Host Institution Country
1.	STT	LHC-b: graduate student to work for LHC-b trigger. <i>tutor/responsible: H. Dijkstra</i>	3	CERN Switzerland
2.	STT	LHC-b: graduate student to work for LHC-b data analysis. <i>tutor/responsible: G. Wilkinson</i>	2	CERN Switzerland
3.	STT	AUGER : data analysis: investigation on anisotropies in cosmic rays. <i>tutor/responsible: A. L-Selvon</i>	2	IN2P3-LPNHE France
4.	STT	Double-Chooz: participation in PMT and electronics testing, development of analysis tools for neutrino detection. <i>tutor/responsible: Inés Gil Botella</i>	2	CIEMAT Spain

UNIVERSIDADE DE SÃO PAULO

Local Committee:

Alejandro Szanto de Toledo
Fernando Navarra
Márcio Menon

Alternating Members:

Marina Nielsen

Latin America to Europe

Grant	Type	Work Program	Months	Host Institution Country
1.	CT	ALICE Experiment: Simulation and data analysis. <i>Tutor: Karel Safarik</i>	6	CERN Switzerland
2.	AT	ALICE Experiment: Simulation and data analysis. <i>Tutor: Karel Safarik</i>	6	CERN Switzerland
3.	AT	ALICE Experiment: Simulation and data analysis. <i>Tutor: Karel Safarik</i>	6	CERN Switzerland

Latin America to Latin America

Grant	Type	Work Program	Months	Host Institution Country
1.	STT	Pierre Auger Observatory: Data Analysis <i>Tutor: Maria Teresa Dova</i>	1,0	UNLP, Buenos Aires, Argentina
2.	STT	Pierre Auger Observatory: Data Analysis <i>Tutor: Maria Teresa Dova</i>	1,0	UNLP, Buenos Aires, Argentina
3.	RT	Pierre Auger Observatory: Data Analysis <i>Tutor: Maria Teresa Dova</i>	0,5	UNLP, Buenos Aires, Argentina

UNIVERSIDADE DO ESTADO DO RIO DE JANEIRO

Local Committee:

Alberto Santoro (Chair)
José Sá Borges
Francisco Caruso

Alternating Members:

José Soares

Latin America to Europe

Grant	Type	Work Program	Months	Host Institution Country
5.	STT	CMS Installation and Testing Tracker -Commissioning the Tracker or Tracker upgrade works <i>tutor/responsible: K. Gill</i>	3	CERN Switzerland
6.	STT	CMS- Tracker Commissioning <i>tutor/responsible: K. Gill</i>	3	CERN Switzerland
7.	STT	CMS Experiment <i>tutor/responsible: João Varela</i>	3	LIP Portugal
8.	RT	Research Visit <i>tutor/responsible: P.Bloch</i>	1	CERN Switzerland
9.	RT	Technology Data Base <i>tutor/responsible: Marilena Streit- Bianch</i>	1	CERN Switzerland
10.	STT	CMS Physics Preparation – Castor /FP420, Physics Analysis, Hardware in one of the near beam detectors. <i>tutor/responsible: Albert De Roeck</i>	3	CERN Switzerland
11.	RT	CMS Physics Preparation – Castor /FP420, Physics Analysis, Hardware in one of the near beam detectors. <i>tutor/responsible: Albert De Roeck</i>	.5	CERN Switzerland

UNIVERSIDADE FEDERAL DO RIO DE JANEIRO

Local Committee:

Leandro de Paula (Chair)
Luiz Felipe Canto
Sergio Souza

Latin America to Europe

Grant	Type	Work Program	Months	Host Institution Country
1.	AT	LHCb Experiment: Trigger & detector commissioning: The project will be to complete and test the infra-structure to allow the HLT monitoring in the Event Filter Farm and in the Monitoring Farm. <i>Tutor: H. Dijkstra</i>	6	CERN Switzerland
2.	STT	ATLAS Experiment: Calorimeter commissioning The grand holder will work on the improvements of the trigger quality for physics detection for ATLAS. This can be done by mean of an extensive study of the thresholds and another techniques (e.g. matched lter) <i>Tutor: Bob Stanek</i>	3	CERN Switzerland
3.	STT	ALPHA/AD-5 Experiment: Atom trap. The work involves running the experiment, preparing hardware and software for trapping and performing spectroscopy on hydrogen and antihydrogen. <i>Tutor: Jeffrey Hangst</i>	3	CERN Switzerland

4.	STT	LHCb Experiment: Event display of Trigger Objects. To develop an implementation within the Panoramix framework which will allow non-experts to interrogate the trigger objects via the event display, which also needs to be developed. <i>Tutor: Thomas Ruf</i>	3	CERN Switzerland
5.	RT	ATLAS Experiments: GRID activities. To adapt the computing systems developed by the Rio-Group in order to allow their execution during the operation of ATLAS experiment and to identify new requirements, functionalities or systems to support the operation of the detector. <i>Tutor: Marzio Nessi</i>	0.5	CERN Switzerland
6.	RT	ATLAS Experiments: Hadronic Calorimeter. The grant holder will be participating in the activities of the hadronic calorimeter and trigger. <i>Tutor: Nick Ellis</i>	0.5	CERN Switzerland
7.	RT	LHCb Experiment: Trigger monitoring. Development and implementation of the trigger monitoring <i>Tutor: H. Dijkstra</i>	0.5	CERN Switzerland
8.	RT	ALPHA/AD-5 Experiment: laser spectroscopy of cold atoms The work involves running the experiment, preparing hardware and software for trapping and performing spectroscopy on hydrogen and antihydrogen. <i>Tutor: Jeffrey Hangst</i>	0.5	CERN Switzerland
9.	RT	LHCb Experiment: High Level Trigger Development and commissioning of the HLT muon alley <i>Tutor: H. Dijkstra</i>	0.5	CERN Switzerland