

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	Grant-Holder
1.	STT	LHC-b: graduate student to work for LHC-b trigger. <i>tutor/responsible: H. Dijkstra</i>	3	CERN Switzerland	<i>Alvaro Gomes dos Santos Neto</i>
2.	STT	LHC-b: graduate student to work for LHC-b data analysis. <i>tutor/responsible: G. Wilkinson</i>	2	CERN Switzerland	<i>Antonio Augusto Alves jr.</i>
3.	STT	AUGER : data analysis: investigation on anisotropies in cosmic rays. <i>tutor/responsible: A. L-Selvon</i>	2	IN2P3-LPNHE France	<i>Claudia Elena Fracchiolla Lopez</i>
4.	RT	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	<i>Iuri Muniz Pepe</i>

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	Grant-Holder
1.	CT	ALICE Experiment: Simulation and data analysis. <i>Tutor: Karel Safarik</i>	6	CERN Switzerland	<i>Barbara Smilgys</i>
2.	AT	ALICE Experiment: Simulation and data analysis. <i>Tutor: Karel Safarik</i>	6	CERN Switzerland	<i>David Dobrigkeit Chinelatto</i>
3.	AT	ALICE Experiment: Simulation and data analysis. <i>Tutor: Karel Safarik</i>	6	CERN Switzerland	<i>Gustavo do Amaral Valdiviesso</i>

Latin America to Latin America

Grant	Type	Work Program	Months	Host Institution Country	Grant-Holder
1.	STT	Pierre Auger Observatory: Data Analysis <i>Tutor: Maria Teresa Dova</i>	1,0	UNLP, Buenos Aires, Argentina	<i>Not assigned</i>
2.	STT	Pierre Auger Observatory: Data Analysis <i>Tutor: Maria Teresa Dova</i>	1,0	UNLP, Buenos Aires, Argentina	<i>Not assigned</i>
3.	RT	Pierre Auger Observatory: Data Analysis <i>Tutor: Maria Teresa Dova</i>	0,5	UNLP, Buenos Aires, Argentina	<i>Not assigned</i>

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	Grant-Holder
5.	STT	CMS Installation and Testing Tracker -Commissioning the Tracker or Tracker upgrade works <i>tutor/responsible: K. Gill</i>	3	CERN Switzerland	<i>Diego Matos Figueredo</i>
6.	STT	CMS- Tracker Commissioning <i>tutor/responsible: K. Gill</i>	3	CERN Switzerland	<i>Eliza Melo da Costa</i>
7.	STT	CMS Experiment <i>tutor/responsible: João Varela</i>	3	LIP Portugal	<i>Not assigned</i>
8.	RT	Research Visit <i>tutor/responsible: P.Bloch</i>	1	CERN Switzerland	<i>Not assigned</i>
9.	RT	Technology Data Base <i>tutor/responsible: Marilena Streit-Bianchi</i>	1	CERN Switzerland	<i>Marko Petek</i>
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	<i>Felipe Torres da Silva de Araujo</i>
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	<i>Luiz Mundim</i>
12.	STT	CMS Physics Preparation – Castor /FP420, Physics	3	CERN Switzerland	<i>Luana Soares Jorge</i>

		Analysis, Hardware in one of the near beam detectors. <i>tutor/responsible: Albert De Roeck</i>			
--	--	--	--	--	--

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	Grant-Holder
1.	AT	LHCb Experiment: Trigger & detector commissioning: The project will be to complete and test the infrastructure to allow the HLT monitoring in the Event Filter Farm and in the Monitoring Farm. <i>Tutor: H. Dijkstra</i>	6	CERN Switzerland	<i>Bruno Souza de Paula</i>
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	<i>Bruno Carneiro Ferreira</i>
3.	STT	ALPHA/AD-5 Experiment: Atom trap.The work involves running the experiment, preparing hardware and software for trapping and performing spectroscopy on	3	CERN Switzerland	<i>Ricardo Lewis Lambo</i>

		hydrogen and antihydrogen. <i>Tutor: Jeffrey Hangst</i>			
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	<i>Fernando Luiz Ferreira Rodrigues</i>
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	<i>Carmen Lucia Lodi Maidantchik</i>
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	<i>Not assigned</i>
7.	RT	LHCb Experiment: Trigger monitoring. Development and implementation of the trigger monitoring <i>Tutor: H. Dijkstra</i>	0.5	CERN Switzerland	<i>Jose Helder Lopes</i>
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	<i>Claudio Lenz Cesar</i>
9.	RT	LHCb Experiment: High Level Trigger	0.5	CERN Switzerland	<i>Carla Göbel Burlamacchi</i>

		Development and commissioning of the HLT muon alley <i>Tutor: H. Dijkstra</i>			
10.	RT	LHCb Experiment: High Level Trigger Development and commissioning of the HLT muon alley <i>Tutor: H. Dijkstra</i>	0.5	CERN Switzerland	<i>Sandra Filippa Amato</i>