

## BRAZIL

### Grants for the Third Year (2007-2008) SECOND CALL

#### CBPF – CENTRO BRASILEIRO DE PESQUISAS FÍSICAS

##### 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<br>Country | Grant-Holder                             |
|-------|------|--------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------|------------------------------------------|
| 1.    | STT  | <b>LHC-b:</b> post-doctor to work for online trigger commissioning.<br>Tutor/responsible: H. Dijkstra                                | 2      | CERN<br>Switzerland         | <i>Juan MartínOtalora<br/>Goicochea</i>  |
| 2.    | STT  | <b>LHC-b:</b> post-doctor to work for GRID development.<br>Tutor/responsible: R.Santinelli                                           | 2      | CERN<br>Switzerland         | <i>Edgar Rodolfo<br/>Rondán Sanabria</i> |
| 3.    | STT  | <b>Double-Chooz:</b> participation in online software development for the data acquisition system.<br>Tutor/responsible: Didier Krin | 2      | APC<br>France               | <i>Luis Fernando<br/>Gomez Gonzalez</i>  |
| 4.    | RT   | <b>Double-Chooz:</b> hardware integration for muon electronics<br>Tutor/responsible: Didier Krin                                     | 2      | APC<br>France               | <i>Herman Pessoa<br/>Lima Junior</i>     |

|           |            |                                                                                                                                         |          |                             |                                     |
|-----------|------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------|-------------------------------------|
| <b>5.</b> | <b>STT</b> | <b>LHC-b:</b> graduate student to work for High Level Trigger.<br>Tutor/responsible: H. Dijkstra                                        | <b>2</b> | <b>CERN<br/>Switzerland</b> | <i>Alvaro Gomes dos Santos Neto</i> |
| <b>6.</b> | <b>RT</b>  | <b>Double-Chooz:</b> participation in PMT and electronics testing for neutrino detection.<br><b>tutor/responsible: Inés Gil Botella</b> | <b>2</b> | <b>CIEMAT<br/>Spain</b>     | <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<br>Country | Grant-Holder                              |
|-----------|-----------|----------------------------------------------------------------------------------------|----------|-----------------------------|-------------------------------------------|
| <b>1.</b> | <b>AT</b> | <i>ALICE Experiment:<br/>Simulation and data<br/>analysis.</i><br>Tutor: Karel Safarik | <b>6</b> | <b>CERN<br/>Switzerland</b> | <b><i>Mauro Rogério<br/>Cosentino</i></b> |

## Latin America to Latin America

| Grants    | Type       | Work Program                                                                       | Months     | Host Institution<br>Country | Grant-Holder               |
|-----------|------------|------------------------------------------------------------------------------------|------------|-----------------------------|----------------------------|
| <b>1.</b> | <b>STT</b> | <i>Pierre Auger<br/>Observatory: Data<br/>Analysis</i><br>Tutor: Maria Teresa Dova | <b>1</b>   | <b>UNLP<br/>Argentina</b>   | <b><i>Not assigned</i></b> |
| <b>2.</b> | <b>STT</b> | <i>Pierre Auger<br/>Observatory: Data<br/>Analysis</i><br>Tutor: Maria Teresa Dova | <b>1</b>   | <b>UNLP<br/>Argentina</b>   | <b><i>Not assigned</i></b> |
| <b>3.</b> | <b>RT</b>  | <i>Pierre Auger<br/>Observatory: Data<br/>Analysis</i><br>Tutor: Maria Teresa Dova | <b>0.5</b> | <b>UNLP<br/>Argentina</b>   | <b><i>Not assigned</i></b> |

# UNIVERSIDADE DO ESTADO DO RIO DE JANEIRO

## Local Committee:

**Professor José Sá Borges**  
**Professor Francisco Caruso**  
**Professor Alberto Santoro (CHAIR)**

## Alternating Members:

Prof. José Soares

## Latin America to Europe

| Grant | Type | Work Program                                                                                   | Months | Host Institution<br>Country | Grant-Holder                     |
|-------|------|------------------------------------------------------------------------------------------------|--------|-----------------------------|----------------------------------|
| 1.    | AT   | Work on Forward Physics: Projects of Castor and/or FP420<br>Tutor/responsible: Albert De Roeck | 6      | CERN<br>Switzerland         | <i>Diego Matos Figueredo</i>     |
| 2.    | RT   | Grid Computing for CMS<br>Tutor/responsible: Mathias Kaseman                                   | 3      | CERN<br>Switzerland         | <i>Marco André Ferreira Dias</i> |
| 3.    | CT   | Tracking system of CMS<br>Tutor/responsible: Karl Gil                                          | 6      | CERN<br>Switzerland         | <i>Andre Breitingger</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<br>Country | Grant-Holder                          |
|-----------|------------|------------------------------------------------------------------------------------------------------|------------|-----------------------------|---------------------------------------|
| <b>1.</b> | <b>RT</b>  | Calibration of ATLAS TileCal trigger using cosmic rays data<br>Tutor/responsible: Nick Ellis         | <b>0.5</b> | <b>CERN<br/>Switzerland</b> | <i>Augusto Santiago Cerqueira</i>     |
| <b>2.</b> | <b>AT</b>  | ATLAS TileCal -trigger and data acquisition system<br>Tutor/responsible: Richard Teuscher            | <b>6</b>   | <b>CERN<br/>Switzerland</b> | <i>Andre Asevedo Nepomuceno</i>       |
| <b>3.</b> | <b>STT</b> | ATLAS TileCal - Data Visualization and cosmic ray detection<br>Tutor/responsible: Richard Teuscher   | <b>3</b>   | <b>CERN<br/>Switzerland</b> | <i>Thiago Ciodaro Xavier</i>          |
| <b>4.</b> | <b>CT</b>  | ATLAS - Validation of LVL2 trigger algorithms<br>Tutor/responsible: Nick Ellis                       | <b>6</b>   | <b>CERN<br/>Switzerland</b> | <i>Andreza Cristina da Silva</i>      |
| <b>5.</b> | <b>CT</b>  | ATLAS - Integration of LVL1 trigger information provided by Tilecal<br>Tutor/responsible: Bob Stanek | <b>6</b>   | <b>CERN<br/>Switzerland</b> | <i>Natanael Nunes de Moura Junior</i> |