

CERN

Grants for the Third Year (2007-2008)

FIRST CALL

Within the framework of **HELEN**, CERN offers a few GRANTS to candidates from selected **HELEN** Institutions in Latin America. Candidates must send their applications directly to the CERN Interlocutor, Dr. Jose Salicio.

Local Committee:

Luis Alvarez-Gaume
Patrick Fasnacht
Jose Salicio-Diez (Chair)

Latin America to CERN

Grant	Type	Work Program	Months	Institution of Origin Country
1.	STT	Work on the event display for Analysis Object Data. Preparation of high-pT and jet analysis. <i>Supervisor: A. Morsch</i>	2	PUCP Peru
2.	STT	Preparation of high-pT and jet analysis. <i>Supervisor: A. Morsch</i>	2	UNAM Mexico
3.	STT	ATLAS. Work with the ATLAS trigger group on integrating and validating the event-selection algorithms of the High Level Trigger for initial operation of the LHC <i>Supervisor: N. Ellis</i>	3	UAN Colombia
4.	RT	ATLAS. Work with the ATLAS collaboration on preparing computing for data analysis <i>Supervisor: N. Ellis</i>	2	UAN Colombia
5.	STT	ATLAS. Work with the ATLAS collaboration on the Tile calorimeter <i>Supervisor: N. Ellis</i>	1	UFRJ Brazil
6.	RT	ATLAS. Work with the ATLAS collaboration on preparations for physics analysis <i>Supervisor: N. Ellis</i>	1	UNLP Argentina

7.	STT	CMS ECAL Preshower installation and Commissioning. Post to be filled up in early 2008. <i>Supervisor: D. Barney</i>	3	Grants open to candidates from CMS collaborating institutions in Brazil, Colombia and Mexico.
8.	STT	CMS Offline Computing Software <i>Supervisor: L. Silvestris</i>	3	Grants open to candidates from CMS collaborating institutions in Brazil, Colombia and Mexico.
9.	STT	GRID computing and Software <i>Supervisor: M. Kasemann</i>	3	Grants open to candidates from CMS collaborating institutions in Brazil, Colombia and Mexico.
10.	STT	Trigger Commissioning. Complete and test the infrastructure for the monitoring of the High Level Trigger. <i>Supervisor: Hans Dijkstra</i>	3	CBPF Brazil
11.	STT	Electronics commissioning of the silicon vertex detector (VELO). Suite of scripts to calculate, handle, and upload 10**6 parameters to the database for different running scenarios. <i>Supervisor: Paula Collins</i>	3	UFRJ Brazil
12.	STT	Trigger Upgrade. Study the trigger-confirmation strategy assuming that all detector information will be available at the full LHC clock rate of 40 MHz, rather than the 1 MHz to which LHCb is limited now. <i>Supervisor: Hans Dijkstra</i>	3	CBPF / UFRJ Brazil

Europe to Latin America

Grant	Type	Work Program	Months	Host Institution Country
1.	RT	Work with the ATLAS groups in PUC and UTFSM on software and on preparations for analysis of physics data <i>Supervisor: M.A. Diaz, C. Dib, I. Schmidt</i>	1	PUC Chile
2.	RT	Work with the ATLAS groups in PUC and UTFSM on software and on preparations for analysis of physics data <i>Supervisor: M.A. Diaz, C. Dib, I. Schmidt</i>	1	UTFSM Chile
3.	RT	Physics analysis tools, tutorial new CMS software. <i>Supervisor: H. Castilla</i>	1	CINVESTAV Mexico
4.	RT	Physics analysis tools, tutorial new CMS software. <i>Supervisor: A. Santoro</i>	1	UERJ Brazil