

Bogota, August 16 2006

Professor

Luciano Maiani,

HELEN coordinator

REFERENCE: report of my stay at CERN July 14th – August 12th.

Dear Dr Maiani,

I want to thank the HELEN program for providing financial support for a one month stay at CERN. My visit to CERN, as well as the other two visits of my colleagues from my university, was aimed to define different aspects of our collaboration with CMS experiment. Given the fact that our group was just accepted in march 2006 in the CMS collaboration, there were few tasks that needed to be defined: 1) Physics area of our work, 2) GRID computing for our university, 3) Projection of work for future graduate students, 4) Different administrative aspects of our collaboration.

My stay at CERN was concentrated mainly in item 2) and 4). About GRID computing for our university, after meetings with different people, among them, Stefano Belforte, from INFN and Fabio Hernandez, from Lyon., we decided that the best option for our university is to mount a GRID tier 3 with connectivity to the TIER2 in Brazil, Alberto Santoro has agreed about our connectivity to his TIER2 project, now that we have returned to our university we have started to work on setting up the GRID environment for our TIER3.

About item 4) I was able to meet with Michel Della Negra and Jim Virdee, spokespersons of the CMS experiment to report the activities we were getting involved with and to discuss some general issues about Management and operation contributions of our group. About our contribution about management and operation contribution from our group I met with Achille Petrilli and Lucas Taylor, where it was defined that we will try to send an engineer from our institution to participate in computing tasks.

Also I had the chance to meet with Marcello Maggi to discuss supervision of HELEN fellowships for second year. This meeting was useful because we could discuss different topics about a possible thesis project for Camilo Carrillo, and for futures students we send to CMS. Marcello Agreed to help us with the supervision of Camilo and other fellows we send in 2007.

During my stay, I could start learning about CMSSW. I took a tutorial in this visit and spent most of my time learning how the software is implemented, something that is needed for the work that we will be dong from our university, related to noise simulation in resistive plate chambers of CMS.

I thank again the HELEN program for helping our group with our collaboration with CMS.



Carlos Avila,

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