

Report of the activities during my stay at CERN

In the framework of the HELEN project I visited CERN on behalf of HELEN project for a period of two months, from July 25th to september 25th of 2006. The main scope of my stay at CERN was to work for the V0A status once it will arrive at CERN next year. V0A is a subsystem of ALICE detector for triggering at Level 0, vertex positioning, multiplicity measurements and background detection.

Taking advantage of the presence at CERN of other mexican people and CERN staff I also discussed with them some of the high-energy physics projects where we will study heavy ion collisions to the Quark Gluon Plasma regime.

During my stay at CERN I contacted the so called Luminosity group whose leader is Nayan Tapan. I gave a seminar (13th september) in one of their meeting talking about the construction of the V0A in Mexico.

Also I met with Werner Riegler who is responsible for the integration of ALICE design in CAD. The meeting was to agree in including the final design of the V0A.

For the mexican group in ALICE I am in charge for the material which will be used to build the cover of our detector. In august the material for the V0A cover arrived to CERN. I met Taureg to let me leave the material at point 2 in the meanwhile we will machine it in order to construct the cover. Finally one of my student (Elizabeth Castaneda), also participating in this project, started working with Karel Safarik in the reconstruction programs. Before my departure I followed her in her work and now I am still following now being in Mexico.

For me it was fruitful my visit at CERN to cover many activities that would be difficult to do in Mexico in a very short time. The most important was to contact people to establish some plans to continue working in the physics of ALICE and have some progress in the development of the V0A detector. I want to thank HELEN project to make all this possible.

Mexico City, 26/10/2006

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