

Minutes of USC Instrumentation meeting on 20-05-2010

Present: J. Caride, J. Visniakov, P. Vázquez, E. Pérez, A. Gallas, J. Saborido, A. Pazos, P. Rodríguez.

1) DEPFET

Irradiation activities status at Santiago (E. Pérez, P. Vázquez):

Bonding finished since last week. On going work on the biasing PCBs. Irradiation starts on June the 4th. It will go for 5 weeks. Measurements will be performed at different times of the irradiation when the desired dose will be accumulated. Temperature, pressure and humidity will be recorded in the bunker during irradiation. The possibility of doing the measurements in the bunker will be explored, if that is not possible the diodes have to be brought to the lab (clean room) to be measured.

Status of Belle LV design prototype (P. Vázquez, J. Visniakov):

FPGA evaluation board did not arrive at Santiago yet. Apparently they need another week. It should be in Santiago next week.

J. V is making progress in the design of the LV power distribution system. He needs to talk to Daniel. They will meet tomorrow since Daniel is flying back to Santiago at this very moment.

J.V contacted Christian to get a working PXD5 matrix to do tests in Santiago. New matrices have been produced they are in Bonn. They will be sent to Munich to perform some tests and later one of them will be sent to Santiago.

Status of DEPFET Test-beam Analysis (J. Caride):

Javier presented the status of the analysis. He got results compatible to Christian's results. However, results from Prague are better. Since Carmen is on medical leave, it was said that the contribution from Santiago's group the analysis task force have to be revisited. This will be addressed in the next USC instrumentation group meeting. Meanwhile P. Vázquez will investigate with Czech group the possibility of some tasks that J. Caride can pursue alone.

2) News from collaboration with CNM on thinning of 2D pixel sensors. (Abraham)

A. Gallas reported on the status of the thinning project with CNM. CNM resumed the bump bonding of MediPix/TimePix-like ASICs. They have done the 300 microns sensors. They want to check that they are ok. Once they verify everything is ok they will do the 150 micron sensors (our sensors).

3) PR01 tests and preparation for the next test-beam in May (Abraham)

The test-beam will start May 25th. Preparations are on going. We will test the PR01 micro-strip sensor.

4) P. Rodriguez ST piquet period

Pablo is at CERN this and next week. He is doing his ST shift piquet assignments. He is as well getting familiar with the software for the PR01 readout in the test-beam (VETRA).

5) Collaboration with IFCA group

IFCA group needs Eliseo to do some bonding for some prototypes. We agreed he could work on that as soon as he finished his work on the irradiation tests.