

Minutes of USC Instrumentation meeting on 29-07-2010

Present: B. Adeva, J. Caride, D. Esperante, A. Gallas, E. Pérez, P. Rodríguez, J. Saborido, P. Vázquez, J. Visniakov.

1) DEPFET

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

The end of the irradiation has been moved from 3rd to 5th of August. 7 out of 60 transistors are not working. After the irradiation the annealing will be performed at room temperature in the bunker. The estimated time is 300 hours of annealing. The temperature inside the bunker is logged and is stable within 1 °C.

The analysis of the collected data is on going. Typically the irradiated transistors show a more negative voltage to open the channel of the transistor. It is foreseen that at 10 MRAD that voltage should reach 16 volts approximately.

The results and conclusions will be reported in the next DEPFET meeting to be held in Valencia from 19th of September to 1st of October.

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

No changes in this task. An EVO conference has been set up with Munich people. There will be a meeting per month to follow up the activities in this project. Next meeting will be beginning of September.

The PCB has not been sent for production since there were some changes in the schematics.

Yesterday the new PXD5 arrived in Santiago. No tests have been performed yet to check whether works or not. There were some problems with LV software that does not recognize the power supplies. A message was sent to expert but no answer yet.

November still holds as the date in which the DEPFET test beam will take place. At this moment is not sure whether the test beam will be made with PXD6 or PXD5 matrices.

2) PR01 test-beam in May-July data analysis status (P. Rodríguez)

P. Rodríguez reported on the status of the analysis of the data taken. Right now he is concentrated in the eta correction.

3) Next USC instrumentation meeting on the 2nd of September

In addition to resume the reports on the current/ongoing instrumentation activities, we will start in this meeting the discussions and evaluations of the future activities of the group in the future.

4) Vacations periods:

- B. Adeva: 1-15 August
- J. Caride: does know yet
- D. Esperante: already took time off
- A. Gallas: 2-9 August
- E. Pérez: 2 weeks in September
- P. Rodríguez: Last two weeks of August
- J. Saborido: two weeks in August (9-27) with some days on and at Santiago
- P. Vázquez: Last 3 weeks of August
- J. Visniakov: Last two weeks of August