

TRT Barrel Electronics VC minutes for February 2, 2005

Agenda Items:

- report from board irradiation (common with endcap electronics)
- status of orders
- AR2F progress and issues
- integration progress
- parts for barrel system test.
- any miscellaneous items (harnesses? patch panels?)

Note: the report from board irradiation item ended up using all of the time available for the meeting, so the other agenda items were not reported upon.

Report from Board Irradiation:

Philippe, Ole, and Ben went to the CEA Valduc site to perform neutron irradiation of one barrel board and one endcap board. the barrel board was an AR1BS and the endcap board had B-type ASD boards. They arrived early tuesday morning. The CMS and CAEN groups that were sharing the run were later in arriving and also required much more time to set up, so the run didn't start until thursday morning. The run lasted three hours and the total dose for our front end boards was 3.8×10^{14} n/cm². The voltages at the front end were monitored directly as well as the drops along the low voltage cables. There were no changes in these voltages during the run and that was taken to indicate that there was no change in current draw during or after irradiation. A comprehensive report on the results (from Ole) can be found at the following web address:

<http://trtsys.web.cern.ch/trtsys/prospero-jan-2005/>

the majority of the meeting was spent going over this page. Note that many of the plots are actually links to movies that show the time evolution of the plot during the irradiation.