

GEP Readiness/Safety Review

The review of E04-019/E04-108 and E07-002 was held on Sept 28. Following the oral presentation the committee moved to Hall C and carried out a detailed visual inspection of the experimental setup. We found that with the exception of the changes noted below, the equipment appeared to be ready for beam.

The Big Cal booster supply has a maximum output of 400V at 1 A; this makes it a Class 2 electrical hazard. Currently the connections are made via space lugs with exposed metal surfaces. These terminations should be insulated or isolated from accidental exposure. Use of banana plugs with sleeving or other covers is recommended. At present the 400V line into the «black box» uses Alpha 5466 cable; this cable is only rated for 300V. This cable should be replaced with one rated for 600V or above. Since the 400V is exposed inside the «black box», work inside requires a Lock and Tag procedure to disable these power supplies. The LOTA procedure should be added to the specialized training of those individual listed as having access to the black box interior.

At present, the low voltages supplied to the FPP chamber preamp cards is common to them all and unfused except for the primary supply. An inline fuse should be added to the individual buss lines supplying one side of each chamber.

To avoid the possibility of the HMS support rotating into the support frame of the BigByte magnet during the RCS experiment, we recommend that the HMS motor control system be disabled during this experiment.

Since the floor of the Hall is rather cluttered, we recommend that a clear egress path be established, and marked in a manner visible under low light conditions.

We were somewhat concerned that the operational manpower presented seems to be marginal: 10 local plus 20 «signed up». We encourage the collaboration to secure the additional 20 mentioned as «ready to sign up».

Review Committee Members

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