

## Radiation

Safety Minutes of Radiation Safety Committee of October 10, 2008

## Committee

### Subject: EBIS Cable Penetrations

Present: D. Beavis, J. Alessi, D. Raparia, R. Karol, D. Phillips and P. Bergh

The subcommittee reviewed issues related to the EBIS cable penetrations that are proposed from the Linac service building to the Booster.

The committee reviewed the numbers presented in reference 1. The subcommittee found the analysis acceptable. **The subcommittee approved the penetrations with the following conditions:**

1. If possible the penetrations should be moved towards C5 to allow for some shadow shielding if fault studies find this is necessary.
2. A fault study should be conducted with the Linac beam. **(CK-Booster-Fy2009-541)**
3. A fault study should be conducted with the booster beam. **(CK-Booster-Fy2009-542)**
4. The results from the fault studies shall be examined at routine operations and at the ASE. Administrative procedures or a chipmunk can be considered if the resulting scaled levels are too high. **(CK-Booster-Fy2009-543)**
5. The area around the penetrations shall be posted as a radiation area. **(CK-Booster-Fy2009-544)**
6. A monitoring chipmunk with scaler readout should be placed in the area pending results of the fault study. **(CK-Booster-Fy2009-545)**

The penetrations are planned to be installed after the NSRL run is complete in Nov. The items above are required as part of the booster startup after the NSRL run.

### Attachments (file copy only)

- 1) [D. Beavis, "Cable Penetrations into Booster for EBIS", Oct. 9, 2008.](#)

### CC:

Present  
RSC  
RSC Minutes file  
RSC EBIS File  
RSC Booster File  
R. Atkins