Real Photon Collaboration Engineering Meeting

7/3/01

Minutes

Attendees:

T. Weber, G. Oxoby, W. Olsen, P. Bosted, K. Baird, R. Arnold, R. Boyce, P. Anthony, J. Weisend, K. Griffioen, M. Breuer

Items Discussed:

1. S. Mao has talked to Brad Youngman who said that keeping the existing sandbags in place for the E160 experiment would be OK.

2. If the earthquake issues can be solved, it would be preferable to put the SEQ in the beam dump east tunnel.

3. T. Tuck has high potted the LAS magnet and it checks out OK. He will start building hoses and perform an acid flush of the magnet in the next few weeks. It is seen as important that powering the magnet to full current be done this summer to ensure that the magnet works properly. This may require a temporary connection to domestic water to provide cooling.

4. It would be useful to install 4 SEM foils as part of the E160 target system. These would be readout by wire array electronics and would add ~3 k$ to the target cost.

5. The design of the lead aluminum collimator for use in D3 was discussed. The use of alumina in the collimator rather than aluminum was discussed.

Decisions Reached:

1. We must ensure that the lab maintains access to the beam dump east tunnel through the back entrance as the front may be blocked with shielding.

2. P. Bosted's calculations show that there is no advantage to moving D3 to the center of the beam line. It will remain in its current position. The targets obviously must be centered on the beam line.

3. The vacuum pump cart for the SEQ should be located outside the radiation area.

Action Items:

1. S. Mao will check to see if additional sandbags will be required or if the existing ones may be used in conjunction with local shielding.

2. K. Baird will check with the water techs on the water supply for the LAS magnet test.

3. The sandbags should be protected from the elements as they may be used quite a bit longer than originally planned.

J. G. Weisend II