

# **Real Photon Collaboration Engineering Meeting**

**7/10/01**

## **Minutes**

### **Attendees**

R. Arnold, L. Keller, W. Olsen, M. Racine, K. Baird, J. Weisend, G. Oxoby, P. Bosted, T. Weber, K. Griffioen

### **Items Discussed**

1. Ray Arnold has looked at the wire array issue, and the wire array will probably not be used to characterize the photon beam. It will be used to characterize the electron beam. Other options for characterizing the photon beam include:
  - The roller screen
  - PR1, PR2, PR3, PR4 from E158 with the addition of zinc sulfide foils
  - The hole target which has been added to the E160 target list
2. One of the most important tasks in the experiment will be to properly align the D3 collimator. Peter Bosted is continuing to work on the simulations of this collimator.
3. Ray Arnold pointed out that the C24 collimator we are planning to use is quite thin and has caused problems in the past. We will have to keep this in mind.
4. We will need to provide S. Williams with a preliminary budget for E160 by July 15<sup>th</sup>. It was agreed that we have sufficient design information to make preliminary budget estimates.

### **Decisions**

1. The Z position of the SEQ will be in the beam dump east tunnel
2. An additional burn through monitor will have to be installed downstream of the SEQ as the SEQ will serve as the beam dump for the experiment.
3. SEM foils will not be added to the E160 target. The new hole target will be used instead
4. The Compton polarimeter is required for the photon line commissioning run

### **New Action Items**

1. We need to start factoring radiation safety and accident scenarios into the E160 design. Someone needs to be given responsibility for this task
2. Someone should be clearly identified as responsible for the Compton polarimeter
3. W. Olsen will send out copies of the preliminary E160 budget for comment. He will ensure that S. Williams gets the budget by July 15<sup>th</sup>.

### **Ongoing Action Items**

1. K. Baird will discuss the water supply for this summer's LASS magnet test with the water techs.
2. S. Mao will check to see if additional sand bags are required or if existing ones may be used with local shielding

J.G. Weisend II