Minutes of Meeting: Radiation Safety Committee

Date: Monday 13 January 1997


Subject: B5 roof shielding.

In order to search for and repair a vacuum leak in the B5 beamline, the EAG Group has requested an RSC review for continuing B1 operation (with Au beam) while this work will be in progress. The vacuum leak appears to be in the vicinity of B5P5 and therefore the roof shielding must be removed and personnel must physically climb down into the B5 beamline to work on the problem.

1. The B5 beamline is at 2.1° and the B5P4 and B5P5 magnets are off.

2. In addition, the aperture of B5P4 is very well packed with shielding and would severely limit any beam from being directed down the B5 channel.

3. Two people should be used for the leak checking; one to check for the leak and a “watch-stander” to keep the other out of the direct beam path.

4. If B5P5 is found to be > 100 mrem/hr, the rooftop shield walkway should be locked.

5. A chipmunk should be used as an area monitor during the work.

6. After the last layer of steel is pulled, HP should check for contamination in the work area as well as conduct a thorough survey of the nearby elements.

7. After the last layer of steel is pulled and before any work begins, HP surveys (at beam height near B5P5) for pulsed radiation must be done with both B1 operating and then B1 OFF, (beam into beam dump).

cc: RSC file