

Tuesday 25 June 1996

K. Reece



Minutes of Meeting: Radiation Safety Committee

Date: Monday 24 June 1996

Present: L. Ahrens, J. Amann, D. Beavis, A. Etkin, W. Glenn, E. Lessard, A. McGeary, C. Morris, S. Musolino, R. Prigl, K. Reece, J. Scaduto, R. Thern.

Subject: P920 in A1 beamline.

P920 is scheduled to run in the A1 beamline to the MPS facility for ~ 10 days beginning Friday 28 June 1996. Details of the beam and beamline requirements were presented by the liaison physicist for the experiment, Ralf Prigl (summary attached).

p (fixed) = 10.9 GeV/c (positive beam).

intensity = $< 5 \times 10^5$ particles per AGS cycle.

Three devices will be installed in the A1 beamline for this experiment;

1. thin diffuser (+ 1 - 2 mrad) downstream of A1D13,
2. test object downstream of A1Q10, and
3. collimator downstream of A1Q12.

Calculations of the expected radiation levels due to these insertions indicate the area(s) should be controlled as Class IV (High Radiation Areas). The upstream A1 location is already fenced and controlled to this level. At the location of the test object, fence will have to be added to enclose the beamline and control access as a Class IV area. Within this second controlled area, there will be no beam pipe downstream of the last quadrupole magnet (A1Q14).

The following items must be addressed on the RSC Check-off list for P920;

1. Previous A1 check-off list items for 11 GeV/c positive beam operation.
2. Minimum current interlock on A1D2 removed.
3. Above noted (3) insertions installed and approved by liaison engineer.
4. Dual NMC units to limit the beam intensity.
5. A1 collimator adjusted to limit the intensity.
6. A1Q1 - 4 LOTO.
7. Roll-up door #12 closed and LOTO.
8. Door switches and reset station added to man door adjacent to roll-up door #12. , (interlock A1D3/4).
9. Experimental area fenced.
10. MPS fast electronics trailer perimeter fenced.
11. MPS fast electronics trailer search and secured.
12. Hasp installed on man door adjacent to roll-up door #12.
13. A1D5,6,7 minimum current interlock set to 90% of 10.9GeV/c.
14. A1D3/4 maximum current interlock set to 110% of 10.9GeV/c.
15. MPS magnet LOTO.
16. MPS fast electronics trailer "south" door LOTO.

The RSC Check-off list for this P920 run will be written by K. Reece and reviewed by R. Prigl and J. Scaduto.

cc: RSC w/o attachments
RSC file w/ attachments