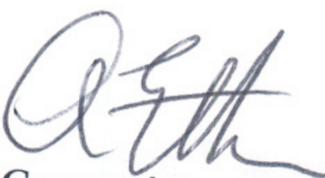


BROOKHAVEN NATIONAL LABORATORY
RHIC PROJECT
RADIATION SAFETY COMMITTEE

To: Distribution
From: A. Etkin
Date: December 31, 1998 
Subject: Radiation Safety Sub-Committee Meeting Minutes - Critical Device RHIC Injection Line

Attending:-

L. Ahrens
D. Beavis
A. Etkin
R. Frankel
W. MacKay
S. Musolino
A. Stevens

The RSC Sub-Committee reviewed and recommended approval of the following proposal for modification of the RHIC injection line reachback critical devices:-

I]- At present, the reachback devices for the RHIC beam are:

1. **g12-bsx.3** to inhibit circulating beam.
2. **AGSEN1** to prevent injected beam.
3. **AGSEN2** to prevent injected beam.

We propose changing the second and third devices to

2. **psuarc8** to prevent injected beam
3. **pswarc20** to prevent injected beam.

This is being done to reduce impact on the AGS fixed target and *g-2* running when RHIC is down.

II]- At present, the reachback devices for the W-Line are:

1. **AGSEN1** to prevent beam.
2. **AGSEN2** to prevent beam.

We propose changing the devices to

1. **SMH10** to prevent beam
2. **PSUARC4 AC & DC** to prevent beam.

This is being done to reduce impact on the AGS fixed target when RHIC is down.

III]- At present there is no reachback critical device for the RF systems.

We propose the follow be investigated.

AC to fused disconnects for the power amplifier plate supplies. On a one to one basis.

IV] Propose investigating continuing reachback chains back to sources as done in AGS relay system.

Item I is recommended for immediate.

Item II is recommended for implementation as schedule permits.

Items III and IV are recommended for engineering study and further review.

The issue of operation of Udw with access to X and Y lines was deferred until the need is better understood.

Distribution:- RSC, R. Frankel, File, M. Harrison, D. Lowenstein, S. Ozaki, T. Robinson