

Procedure for Experiments Involving Radioactive Samples at XXX-CAT (Sector XX)

(Date of Creation)

Preparation for Run

- 1) Establish temporary Controlled Area for the duration of the experiment to include the experiment station and the small area outside the station for the hand and shoe monitor.
- 2) Health Physics will be present when samples are moved from the XXX-CAT safe to the XXX-CAT experiment table (Sector XX).
- 3) Smears of the floor and experiment table in the station will be performed by HP before samples are removed from the XXX-CAT safe and after samples are returned to the safe.
- 4) Sample holders and detector area will be smeared as needed (per request of material custodian and experimenters) and upon completion of the analysis run.
- 5) Postings for presence of radioactive samples will be placed on the experiment station by HP.

During the Run

- 1) See attachment for sample mounting procedure during the run.
- 2) Authorized personnel will be present on the line at all times when samples are not in the Sector XX safe unless the experiment station is secured (see below).
- 3) For this run commencing MM/DD/YYYY the authorized personnel will be:
- 4) _____
- 5) Only authorized personnel will be in the station when the area is established for the samples.
- 6) When handling the sample containers, personnel will wear one layer of vinyl gloves. Sample containment may not be opened at the APS.
- 7) Upon leaving the experiment station, personnel will use the hand and shoe monitor provided.
- 8) If contamination is detected - HP (4-1978) will be paged immediately. The duty Floor Coordinator (2-0101) and XXX-CAT representative (___/___-___) will also be called. Personnel movement on the beamline will be reduced to a minimum.

Conclusion of Run

- 1) Floor smears in the station will be performed by HP after samples are removed.
- 2) The sample analysis stage, sample storage box, and experiment table will be smeared.
- 3) The experiment table covering, gloves, and any other supplies which have come in contact with the sample mount will be surveyed, placed in a zip-lock plastic bag. The samples will be stored in the Sector XX safe for an experiment there.
- 4) Postings for presence of radioactive samples will be removed from the experiment station by HP.

Contact Floor Coordinator For Any Material Transfer or sample holder manipulation to arrange for APS-HP coverage (2-0101)

If there are any questions about this procedure contact Bruce Glagola (4-9797) or John Vacca (4-1978).

XXX-CAT Representative _____

I have read and understood the requirements of this procedure on _____

