

Memo

Date: April 2, 2016

To: RSC, I. Pinayev, V. Litvinenko and D. Phillips

From: D. Beavis 

Subject: Proposed Outline of Radiation Measurements for CeCPoP

The proposed outline of radiation measurements is given below for the RSC consideration. This list will be discussed at the Tuesday April 5 RSC Meeting and presented to the IRR on Thursday April 7.

CeC Radiation Measurements

- Gun Energy
 - On the low energy dump
 - Check shielding
 - North and south cableway
 - access labyrinth
 - If possible on IR roof
 - Record chipmunk readings inside and locations
 - Mistune beam in low energy transport
 - Check shielding
 - Check north and south cable way
 - Access labyrinth
 - Fence near south cryopipe
 - Record chipmunk readings inside and locations
 - Optional (if high Energy not available)
 - Gun energy on water cooled beam dump
 - Access labyrinth
 - LEReC ports at fence (inside also if possible)
 - IR roof if high power and possible
 - Record chipmunk readings inside and locations
 - Gun Energy loss in transport across from cryoport
 - Access labyrinth
 - North cryoport

- Truck door
 - IR roof if possible
 - Record chipmunk readings inside and locations

- Linac Energy
 - On the low energy dump
 - Check shielding
 - south cableway
 - access labyrinth
 - If possible on IR roof
 - Record chipmunk readings inside and locations

 - Gun energy on water cooled beam dump
 - Access labyrinth
 - LEReC ports at fence (inside also if possible)
 - IR roof if high power and possible
 - Record chipmunk readings inside and locations

 - Linac Energy loss in transport across from north cryoport
 - Access labyrinth
 - North cryoport
 - Truck door
 - IR roof if possible
 - Record chipmunk readings inside and locations
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 - Mistune beam in low energy transport
 - Check shielding
 - Check north and south cable way
 - Access labyrinth
 - Fence near south cryopipe
 - Record chipmunk readings inside and locations