LEReC 04/07/2016
Instrumentation Meeting

Provided By Joe Tuozzolo

Notes

Additional notes: (thanks Roberto)

From: Than, Yatming (Roberto)

Gun Test Beam dump will shift to right a bit because the bending magnet is being swapped with the profile monitor downstream of the slits. This should give more egress space around the dump area.
Yellow stairway has been moved to opposite side to provide space.
Platform: required to be in place for the start of run 17 so that it will be installed before the summer 17 shutdown.

Clean room issues were discussed:
The work platform will act as the ceiling of the clean area. The floor will have to be sealed. Clean filter assemblies will have to be located off the platform and softwalls installed. Reference the Cornell clean area around their gun and SCRF accelerating cavity below
The clean room requirement for laser and the adjacent beam lines is less stringent than cavity assembling the cavity.
So Class 100-1000 for laser components and beam line.
It is not necessary to open either of the cavity isolation valves during the installation process. Space is tight between the gun and the booster cavity so class 100 will not be possible., Class 10-100 for cavity….
We could do horizontal laminar flow for laser clean room, and small local clean room at the beam line flange for booster cavity.
R.


MEYER

Horizontal Laminar Flow Cleanroom

Our horizontal laminar flow cleanrooms provide an excellent solution for those applications where height restrictions prevent a vertical flow cleanroom from being created. Our stand alone blower and filter assemblies can be used individually or as groups depending upon the size of clean space needed. The model is available in two different inlet configurations. An air inlet at the top front (as shown) or at rear of cabinet are the two styles offered. A horizontal clean tunnel can be created by adding optional flexible or rigid walls. Lights and casters are available Cabinets widths of 3, 4, 5, and 6 feet and heights of 6, 7, 8 and 10 feet are standard.