SLAC Activities Update

University of Wisconsin
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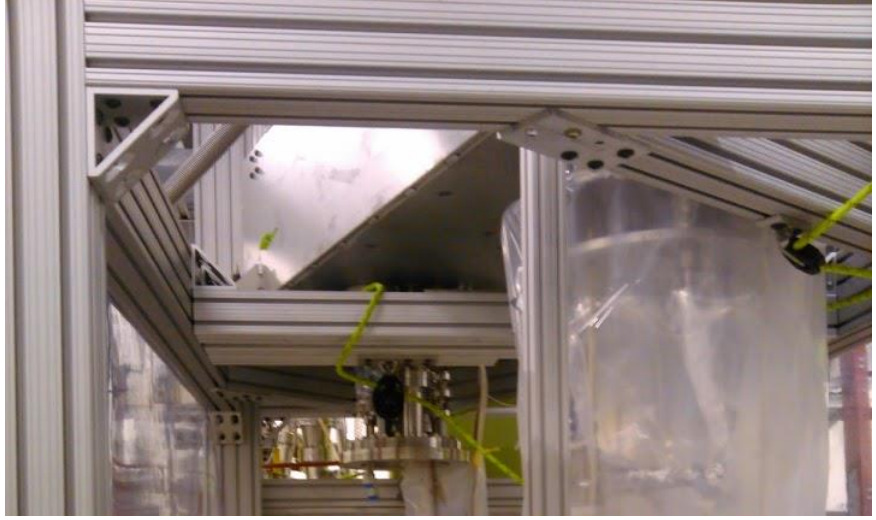
LZ Madison Group Meeting
September 28

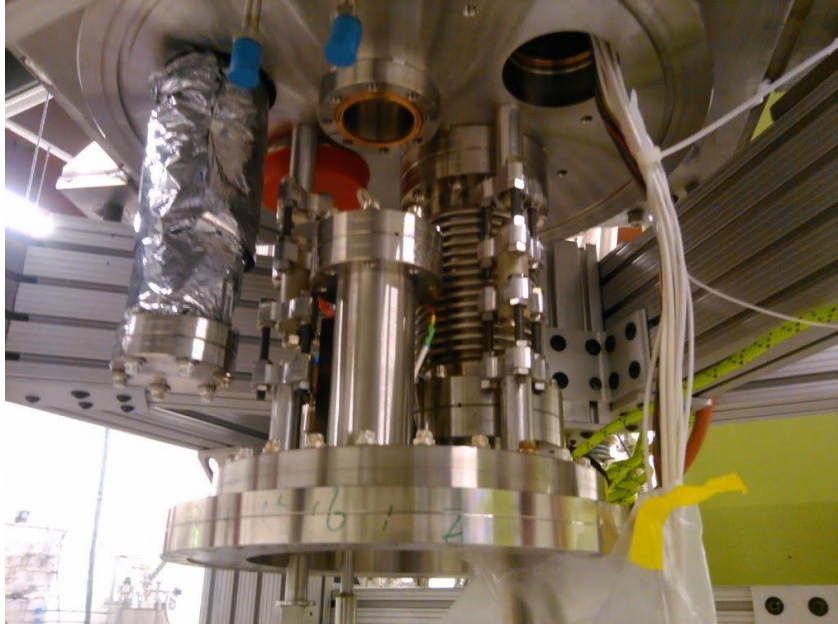
- Measured dimensions of T-Slot support structure in order to create plastic sheets to isolate the area as a small clean room.
- Installed the R&D and purification tower vacuum vessels for a pressure test and leak test.
  - Pressure test passed.
  - Leak check was inconclusive, though there may have been a virtual leak, so left pumping over the weekend.
  - Next week discovered the main leak was 2 untightened VCR joints hidden in the back and a lesser leak from one more semi-tightened VCR on the top.



Above: Plastic will be mounted below the T-slot and needs to be snug against all features.

Leftmost: R&D Vacuum vessel. Middle: Purification tower vessel. Right: R&D Xenon Vessel.

- Hung the top Xenon space flange.
- Removed the vacuum vessels previously attached.
- Re-arranged counter-weight pulleys (still needs some work but much better than before).
- Designed and build aluminum blocks to hang level sensors and the PMT from inside the Xe space.



Above: hanging and feethrough apparatus for top Xe Vessel flange.
Below: Aluminum blocks for mouning instruments and PMT.