

Because of the short week and July 3-4 weekend, there is no LEReC cooling section meeting this week.

The following is a LEReC status update for this week:

- The “hybrid” H BPM, profile monitor, vertical emittance chamber assembly is near complete. G. Whitbeck has prepared the final model of the ferrite assembly for P. Thieberger to analyze and approve. The design of the contact fingers is next.
- The design of the standard beamline profile monitor is complete. Fabrication drawings are near complete and will be sent for checking.
- After FDR for the BPM chamber and FDR approval by BNL, MPF proceeded with ordering materials and components. Preliminary delivery estimate for the chambers and first article buttons is October 2015.
- P. Thieberger did an analysis of the smaller diameter BPM chamber and found that the gap between the conflat flanges caused problems. Special conflat gaskets that provide a continuous ID surface will be required for all of the smaller aperture chambers using the standard 6.75 conflat flanges.
- P. Thieberger did an analysis of the “standard” beamline bellows assembly with internal RF shield. The design is ok. The special welded bellows for the 180 dipole translation will be analyzed also.
- The emittance slit chamber and slit assembly are in the shops for estimate. Are the drawings ready to be checked and approved? (V. deMonte and D. Weiss)
- Alpha Magnetics is preparing to ship the first low field compensating solenoid magnet. Discussion continued on magnetic measurement from the last meeting. A meeting was held with A. Jain. Two new 3D hall probes are being ordered for 0.2T measurements and for 1% and 0.1% accuracy to measure transverse fields generated by the solenoids.
- The final revision of the 180° magnet has been approved; but, drawing revisions are on hold. K. Hamdi is working on the LF solenoid magnet/BPM stand and support design as well as magnetic shielding preliminary design.
- A quote was received for forming the 180° vacuum chamber curved section. K. Hamdi noted that it was for 304L SS not 316L SS. He has asked central shops to obtain a new quote.
- Are the 20° magnet vacuum chamber drawings ready to be sent for checking and final approval? (M. Mapes and K. Hamdi)