Plan => Make up (8) Wien-quad crosses w/ QW coils + viewers

* (4) CEBAF
* (2) UITF
* (2) spares

Coil QA on arrival

1. Dimensional check ( at three pre-selected locations of the lead wire)
2. Resistance at room temperature ( note down the ambient conditions
3. Hipot test ( Upper limit -500 V is sufficient for this application, note down the leakage current)
4. Surge test ( turn-turn short if any)
5. Inductance at 60 Hz ( using LCR meter)
6. Temperature evolution of the coil at TBD

Magnet assembly QA

1. fit up be done on all of the assemblies prior to welding on the conflats.
2. fitted assemblies should then be match marked
3. magnetic measurements can happen on 1 article, prior to welding

Magnet Measurements

1. Considerations
   1. It’s air core, so no hysteresis
   2. Max current TBD
   3. Z : step=TBD, extent=TBD
   4. I : step=TBD, extent=TBD
2. Measure B(r=TBD) vs. Z @ 0 A (to get background for comparison w/ model)
3. Measure B(r=TBD) vs. Z @ I=TBD (for comparison w/ model)
4. Measure B(z=0) vs. R @ I=TBD (for B’ comparison withmodel)
5. Measure B(r=TBD,Z=0) vs. I=TBD for field map

After Measurement

1. Lakshmi validate magnetic measurements
2. Gary gets B’L vs. I for CED (no hyst)
3. Phil/Marcy will have green light to assemble the non-dummy cubes