Global Run Plan for Remainder of Qweak Experiment (R. Carlini)

• As much production running (24 hours of Al, then LH2 studies before end of this Wien on 4/9/12).
• High priority systematic error studies before end of this Wien on 4/9/12.
• Friday 4/6/12 Moller measurement.
• Accelerator changes to low energy/pass running on 4/9/12 (we get 877 MeV with 100% longitudinal pol. Horizontal Wien change, A gets full cathode polarization.
• Setup for brief tracking run 4/9/12 – 4/10/12
• N-Δ running through April 14.
• Switch to 4-pass (3.35 GeV) no later than Sunday April 15th. Begin resonance/DIS region measurements for γ---Z Box calculation input. (Pion contamination? – could use that Cherenkov)
• April 19th accelerator returns to 1 pass 1.16 GeV configuration for Qweak, but with Wien reversal (flip).
• Do mini-spin dance, etc. to setup/confirm polarization quality.
• Moller - Compton at 4uA (~8 hours) --- master polarimetry cross---calibrations – Gaskell
• We do brief final tracking run since hall will have cooled down during low current polarimetry.
• Return to LH2/Al production until May 11th, plus critical systematic measurements.
• May 12th - May 18th using 2-pass and 3-pass beam complete resonance/DIS region measurements for γ---Z Box calculation input.
• End of Qweak Running (unless we get the 6 week extension).
• End of Run Party!

Jay Benesch using spin calculator:

at 415 MeV/linac and cathode polarization 85%, A optimal polarization (April 9-18)
pass 1 877 MeV 77% polarization
pass 4 3367 MeV 59% polarization

at 548 MeV/linac and cathode polarization 85%, A optimal polarization (May 12-18)
pass 2 2254 MeV 80% polarization
pass 3 3350 MeV 75% polarization