PQB list

- Install new helicity board at JLab
- Make injector DAQ capable of taking 2kHz data
- Beam noise assessment in injector with new helicity board at 2kHz
- Beam transport assessment in injector
- Beam monitor resolution assessment at 2kHz in the injector
- Wien flip symmetry test
- Wien flip frequency study – (address: how long between flips is feasible? is ~1week ok?)
- Beam noise in Hall test with new helicity board at 2kHz
- Beam monitor resolution assessment at 2kHz in the experimental hall
- Sensitivity measurement of Helicity Magnets to Hall
- Chopper scan
- transition time measurements with new PC driver for different RTP voltage settings
- installation of new PC driver
- Update injector DAQ software to assess laser table parameters such as quad-photodiode position differences and linear-array spot size asymmetries
- Test FFB system in experimental Hall with 2kHz data taking
- installation of wedged RTP cell (built at UVa)?
- RTP cell position difference feedback test in injector
- Beam noise test in Hall at 10GeV at 2kHz
- Sensitivity measurement of Helicity Magnets to Hall at 10GeV
- Characterize laser properties at PC and at cathode, adjust if necessary
- RTP cell alignment with spot size asymmetry measurements at 2kHz
- Tune beam test for timing of monitors
- Write ‘slow’-feedback code for position differences and RTP cell and/or helicity magnets
- Coordinate software tools for JLab staff to use to monitor PQB with alarms
- Test FFB system in experimental Hall at 10GeV with 2kHz
- Provide instructions for frequency of IHWP flips and Wein flips for MOLLER Run1