Analysis Tasks for cross section

- Understand BPMs. New system. Harp data taken during e93049. Good to understand that data and be ready when we do similar test at beginning of N-Delta.
- Spectrometer pointing. Understand LVDT system. Need to have kumac to check pointing at each setting.
- Calibration of BCM. Data taken during e93049.
- Target luminousity study.
- Scintillator and trigger efficiency. Need software to check this quickly.
- Electron gas cerenkov and lead glass for pion rejection.
- q-pointing check. Need software to check this quickly.
- Optics.
  - 880 MeV optics for electron and hadron, ^{12}C target elastics, δ, y, ϕ, θ.
  - 3660 MeV optics for electron , ^{1}H target y, ϕ, θ
  - 1300,1000,750 MeV for hadron (accepting electrons), carbon and dummy targets, y, ϕ, θ.
- ^{1}H elastic measurements.
  - Q^2 = 1.37,164,1.88,2.65,3.48,4.13 at E=4534.
  - Use to determine energy and angle offsets.
  - Use to check MC of acceptance and get cross section.

Analysis Tasks for polarization

- Monitor straw chamber efficiency during run.
- e93049 A_c and false asymmetries
- p_p=1.06 GeV A_c and false asymmetries
- p_p=1.37 GeV A_c and false asymmetries
- Analyze straight throughs for chamber alignment.

Near term replay tasks

- Filter data of small angle scattering in the carbon. Automatic script
- Replay as much data as possible to create ntuple for extracting polarizations. Use FSU, MIT and Jlab farms. First look at polarizations at the focal plane.
- Replay runs to get pion production cross sections.