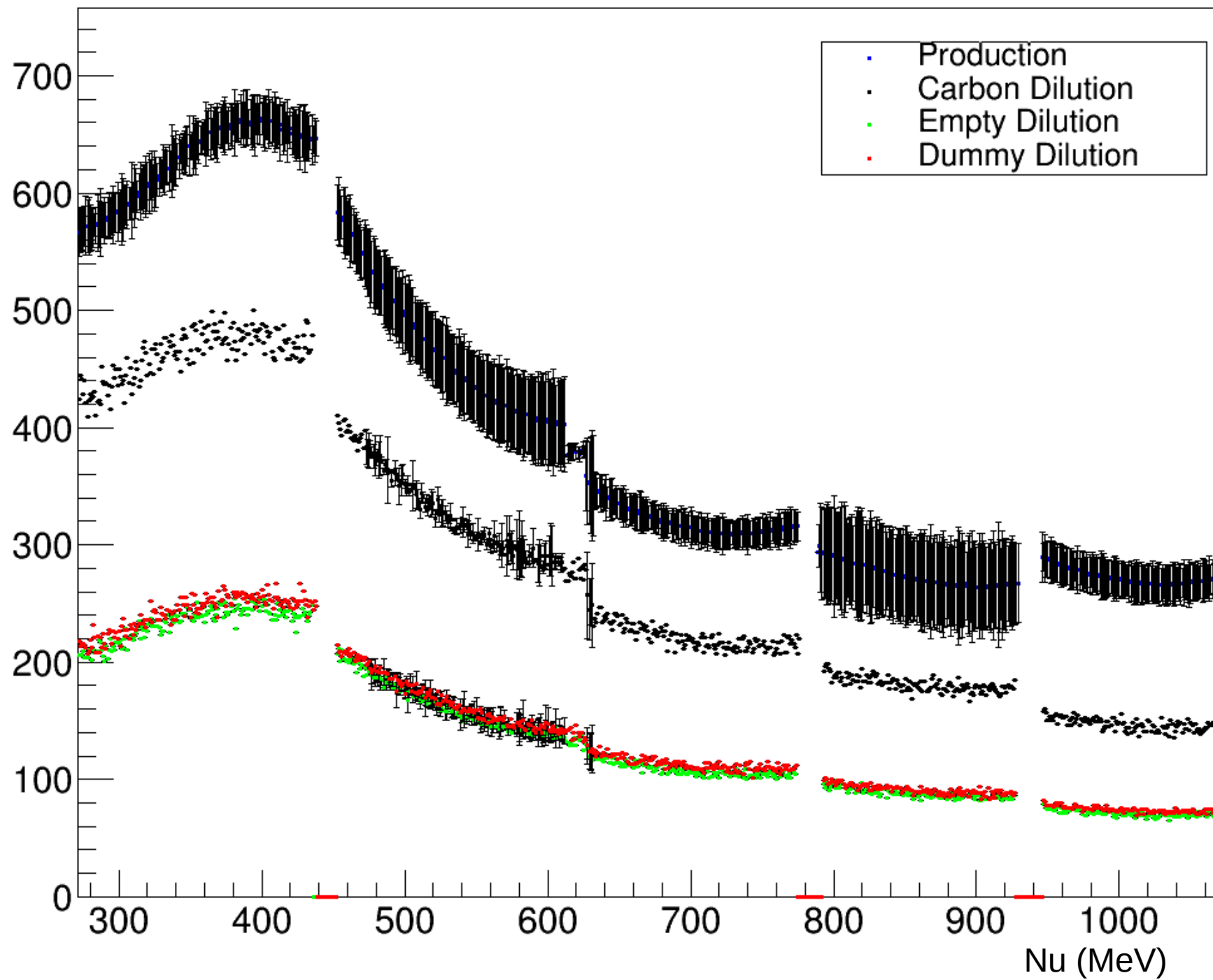


Yield Drifts at 3.350GeV

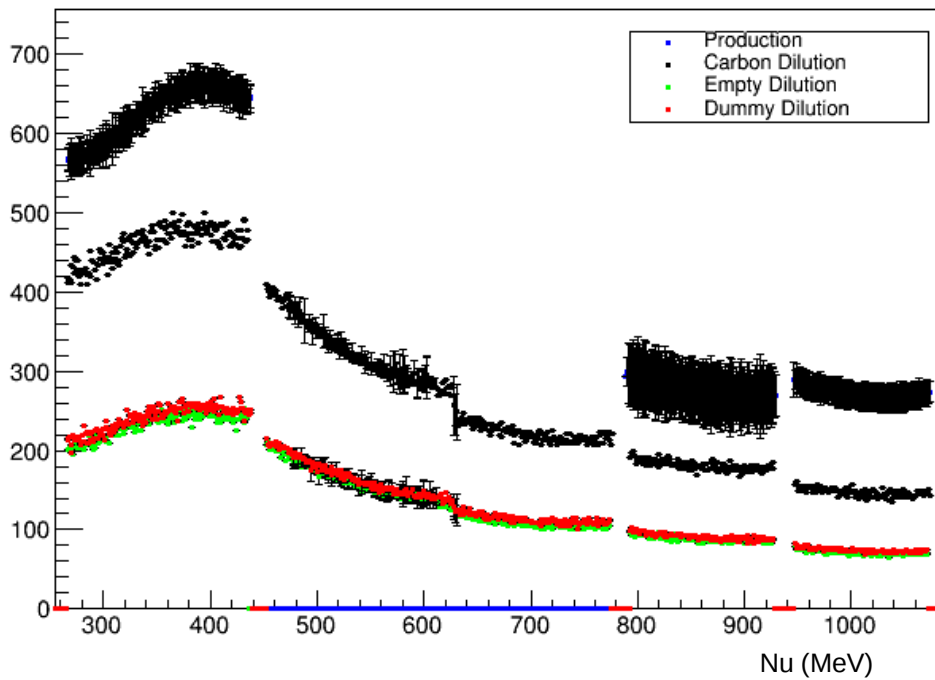
Toby Badman

3.350GeV 5T Transverse Normalized Yield

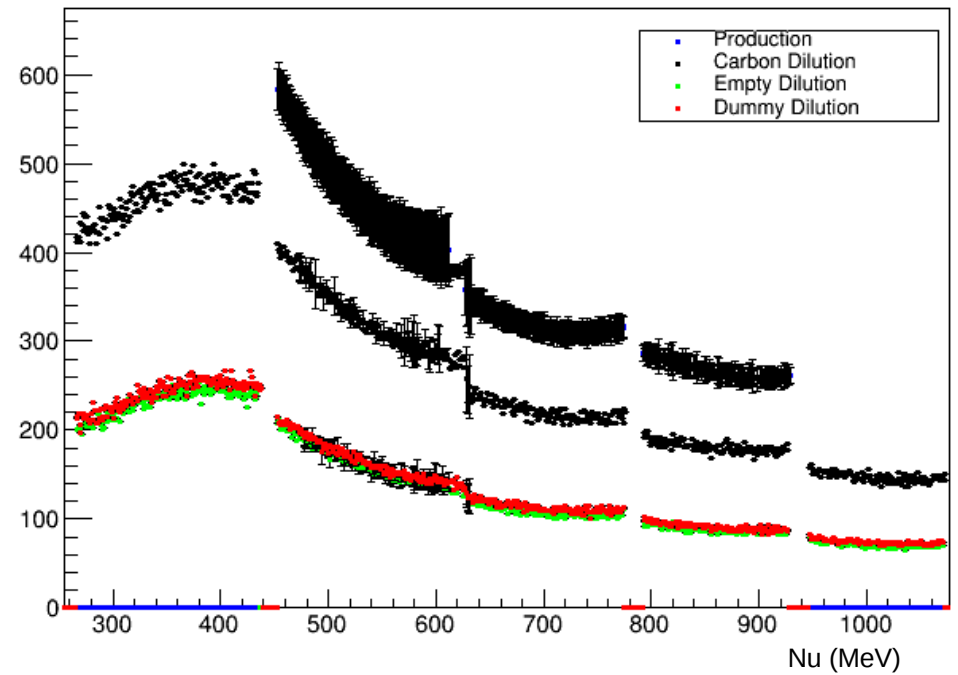


3.350GeV 5T Transverse Normalized Yield

Material 19



Material 20

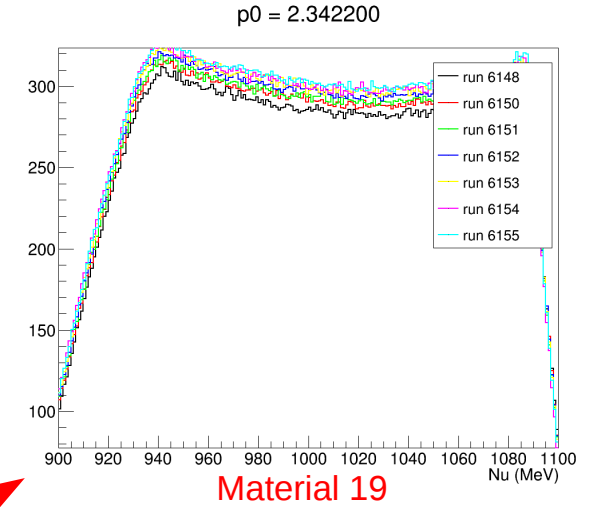
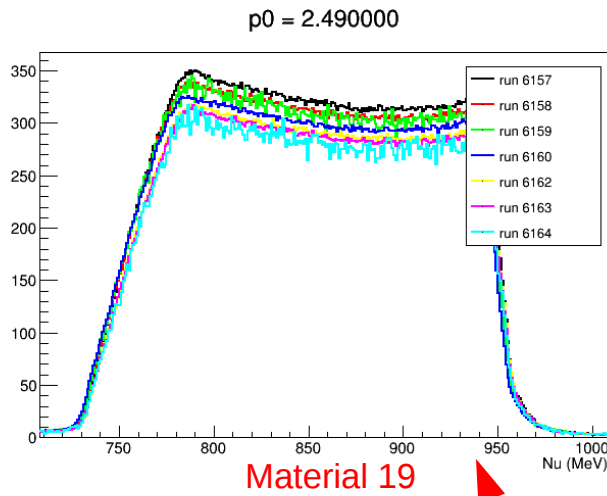
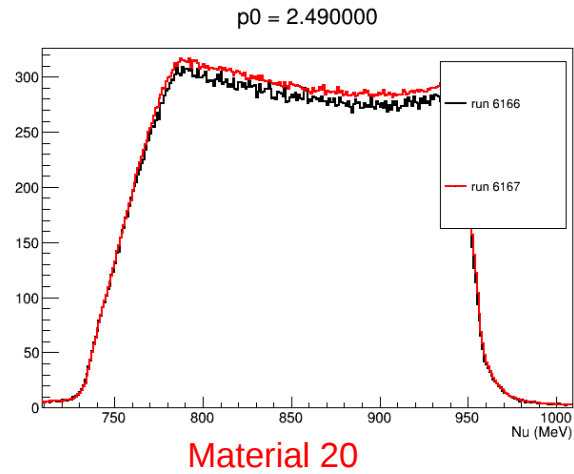
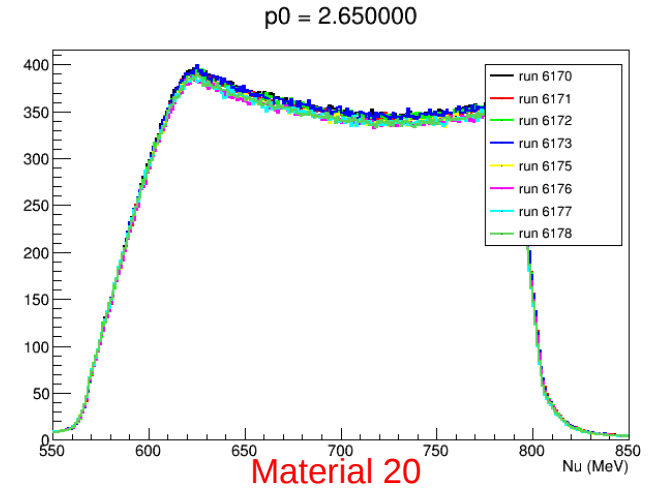
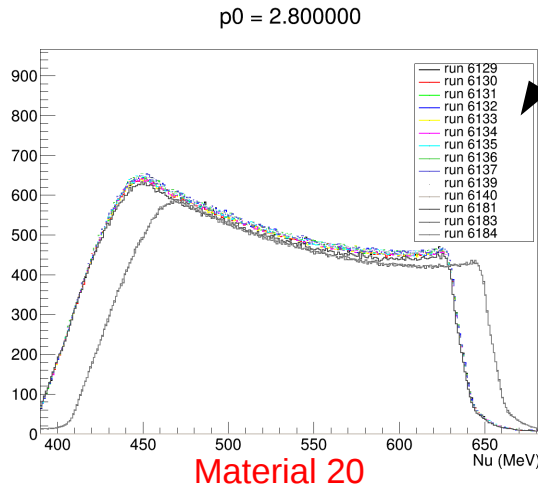
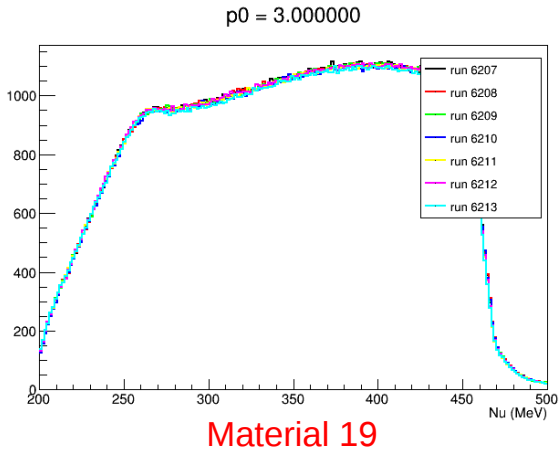


- Error bars calculated from statistical + systematic
- Systematic uncertainty is the spread of overlapping yields.

3.350GeV 5T Transverse Normalized Yield

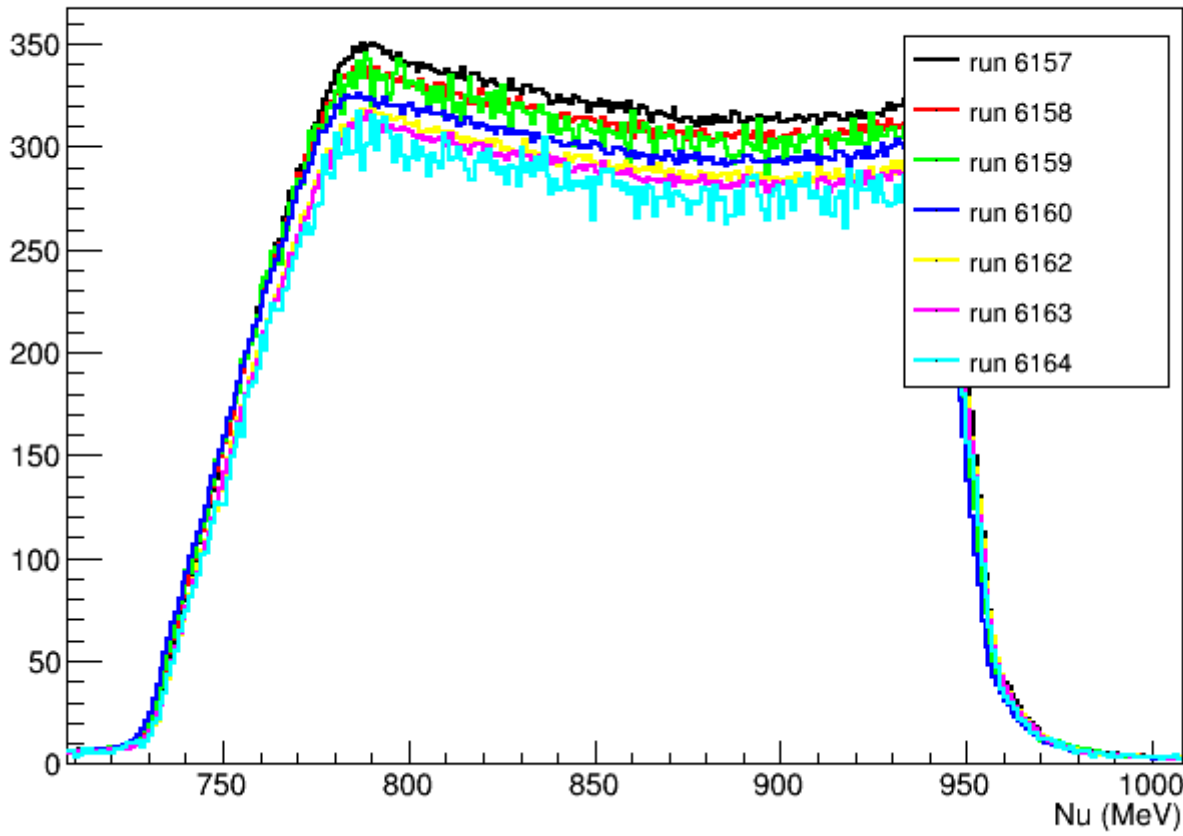
Yields broken down into p0 settings

There are two closely overlapping p0 settings here (2.82GeV and 2.79GeV)

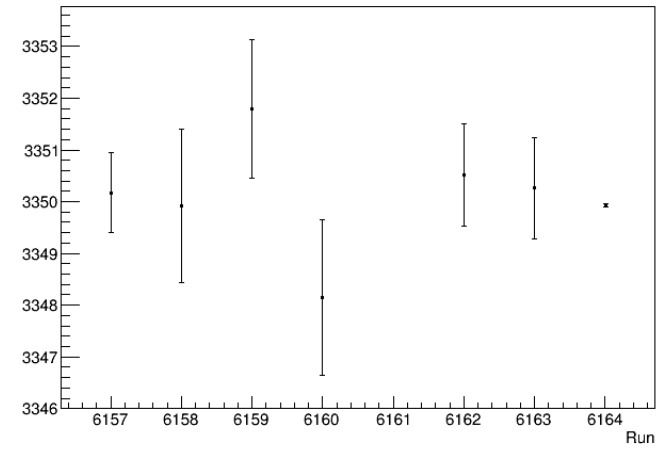


Yield drifting by ~8% for p0=2.3422GeV and ~15% for p0=2.4900GeV

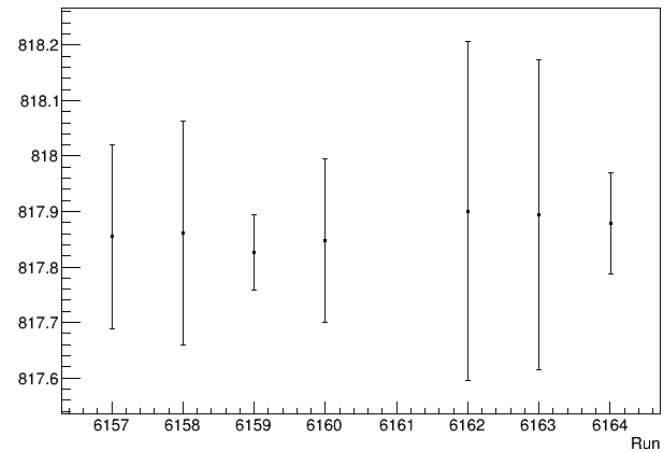
$p_0 = 2.490000$



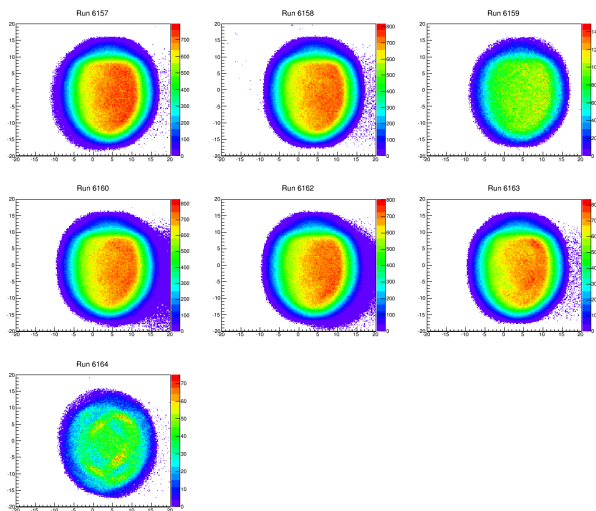
Beam Energy



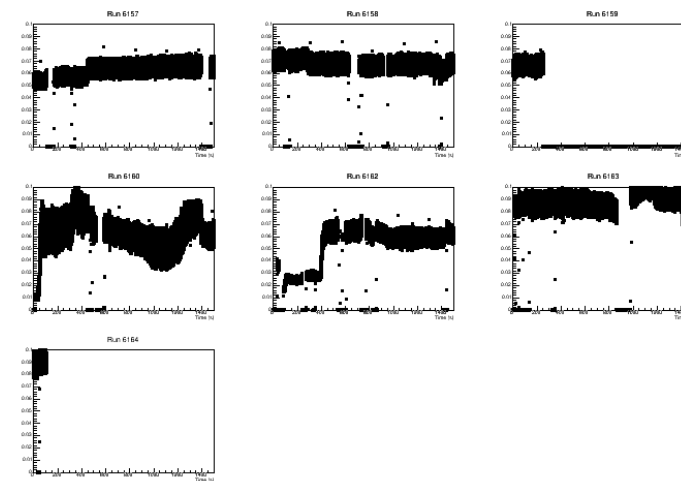
Septa Current



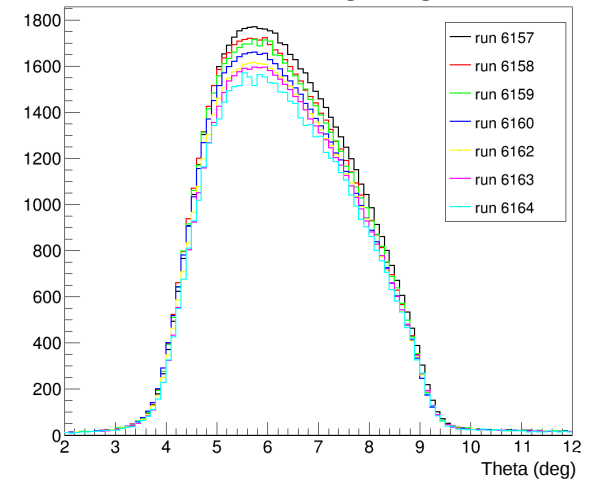
Raster Pattern



Beam Current

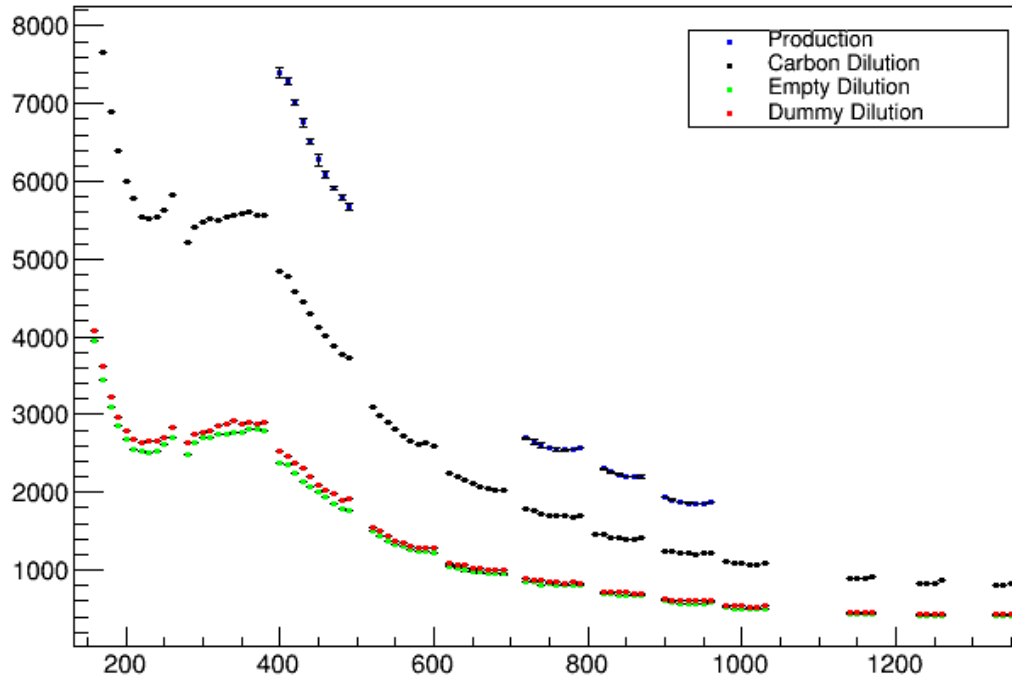


Scattering Angle

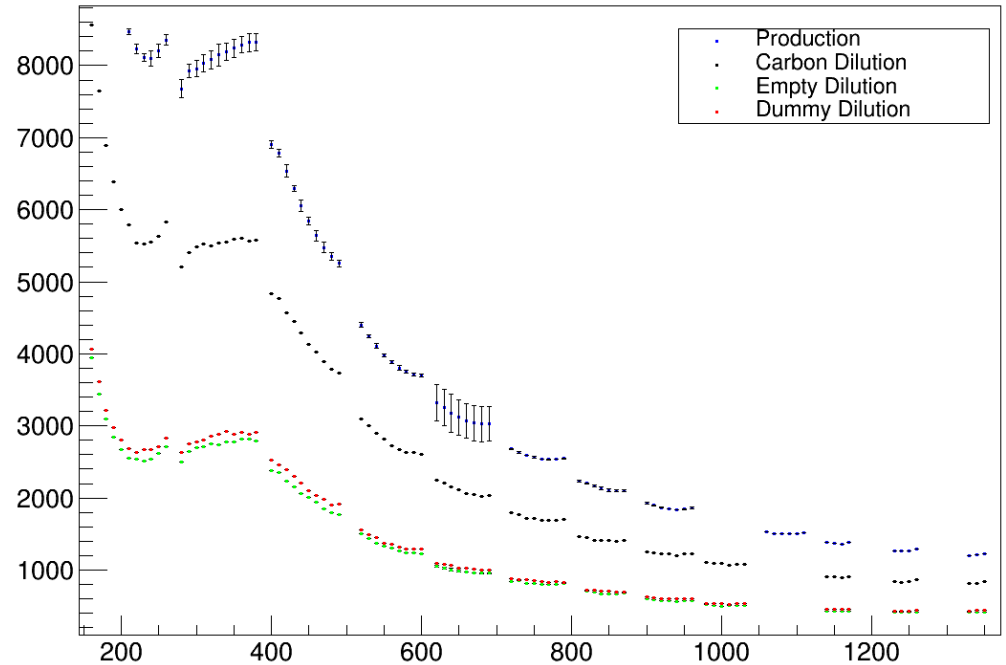


Issues at 2.254GeV 5T Transverse

Material 20



Material 19



What next...

- 3.350GeV yields drift at 2 different momentum settings, plus discontinuity at other settings.
- Cause of yield drifting is still unknown, suggestions from meeting?
- Quick look at 2.254GeV 5T Transverse shows large yield spread at several settings as well. Still need to look into more detail.