

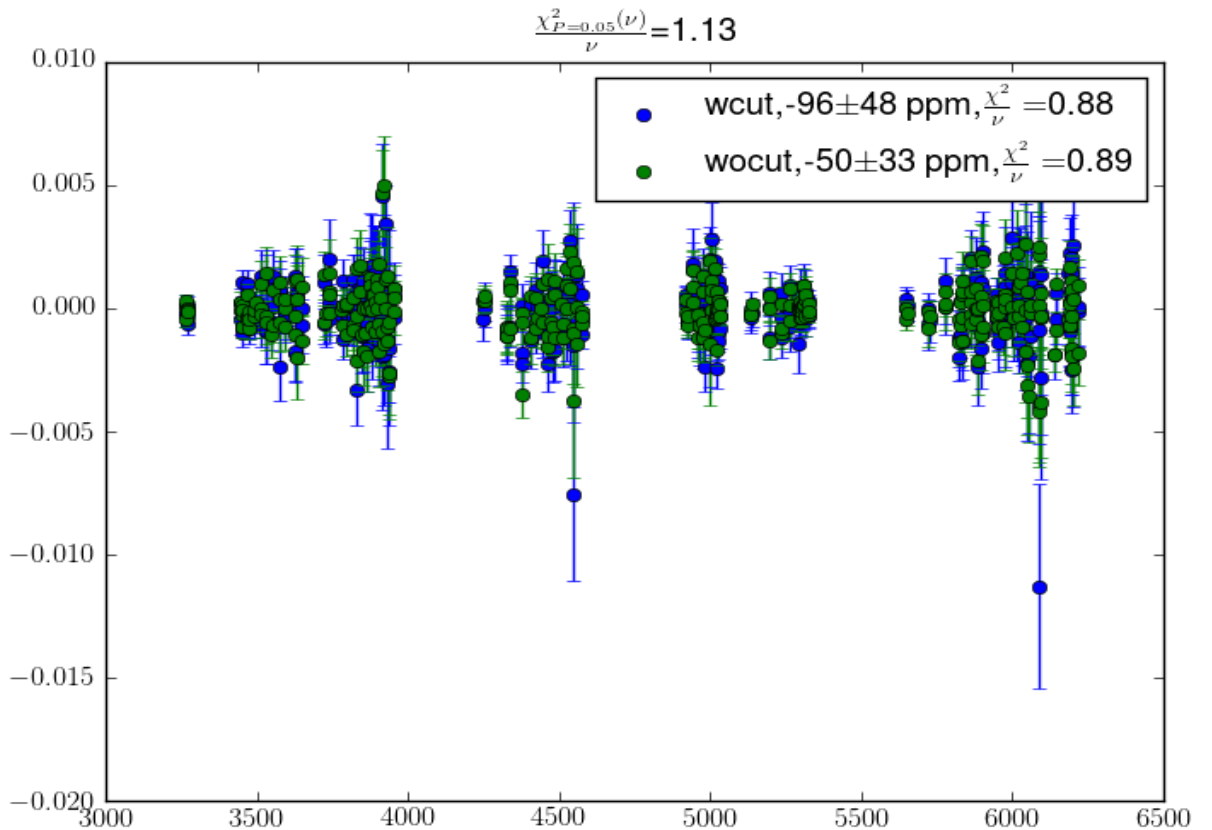
# Data quality check for 1.7GeV, 2.5T

Pengjia Zhu

False asymmetry for left arm can be found in elog:

<https://hallaweb.jlab.org/dvcslog/g2p/188>

Everything looks good  
Work is done now

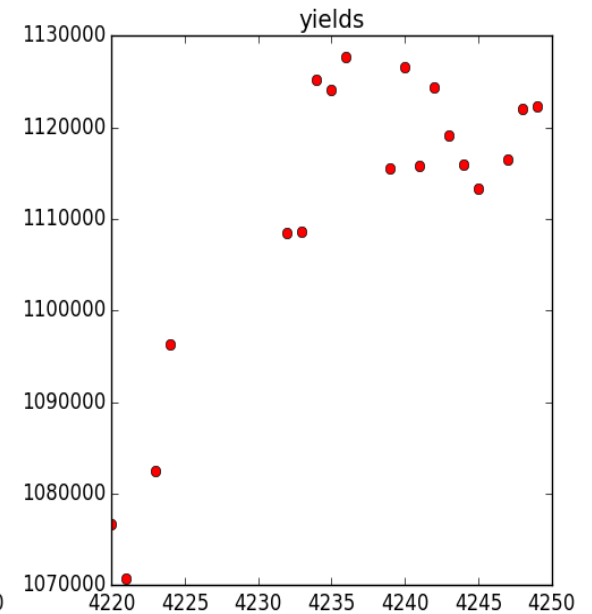
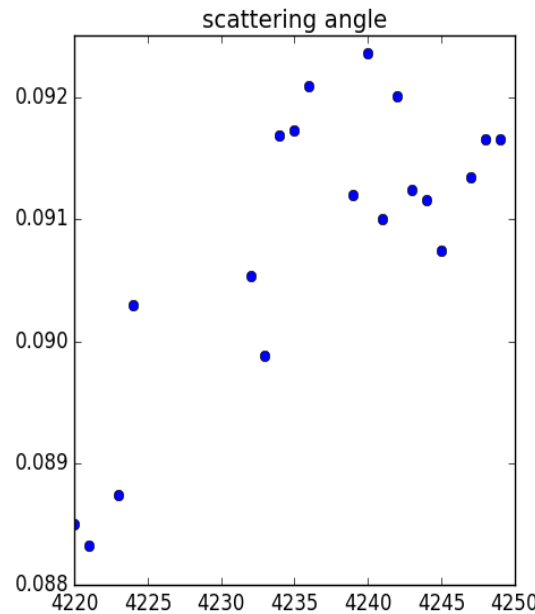
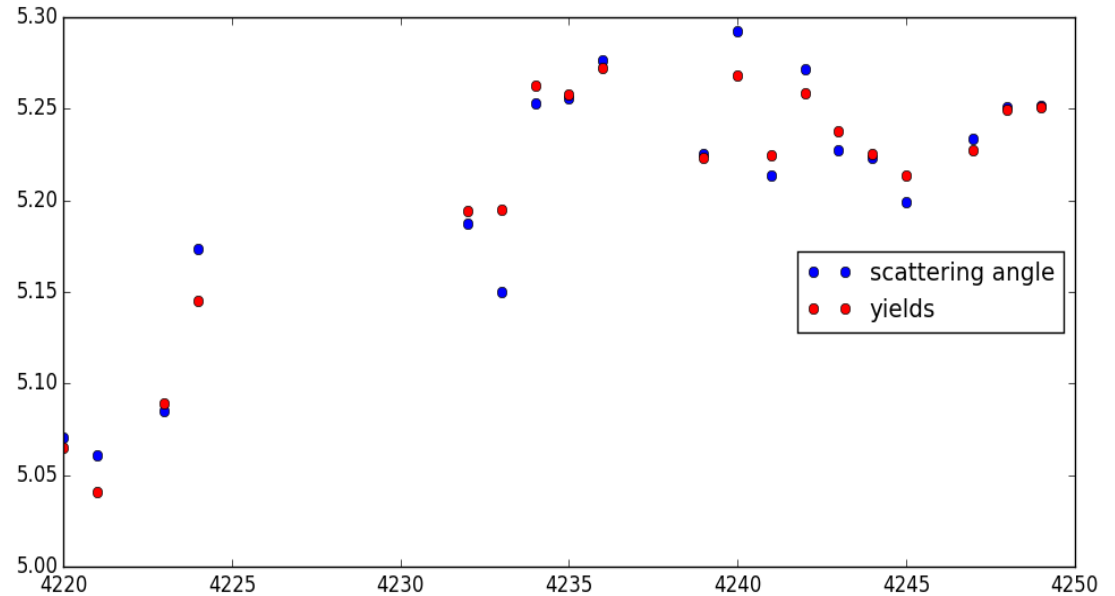


Data quality check for 1.7GeV, 2.5T can be found in g2p wiki:

[https://hallaweb.jlab.org/wiki/index.php/G2p\\_1711\\_25T](https://hallaweb.jlab.org/wiki/index.php/G2p_1711_25T)

$p=1589\text{MeV}$   
spread=5.12%

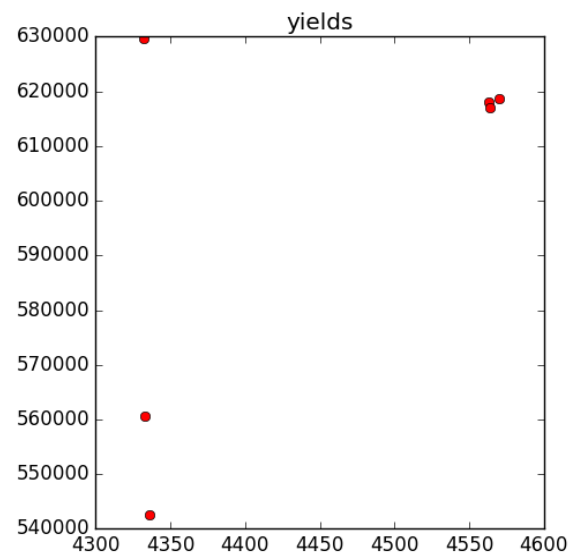
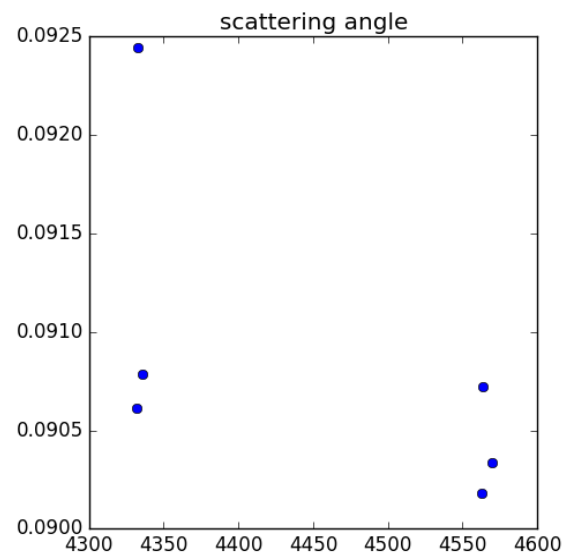
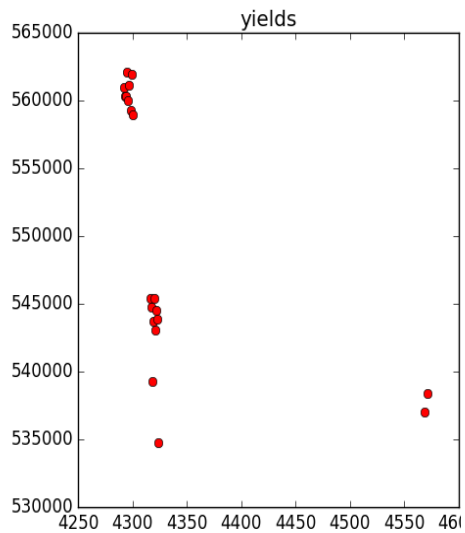
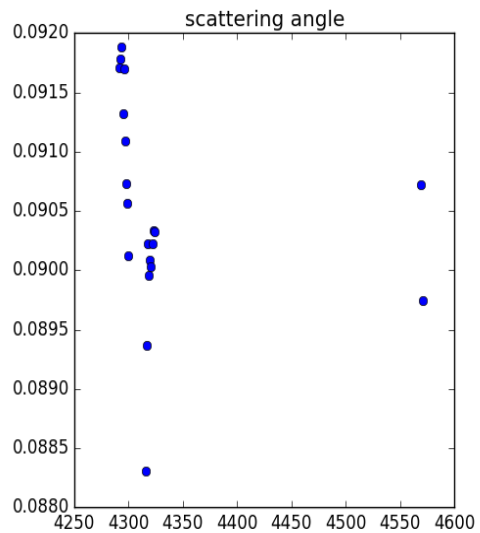
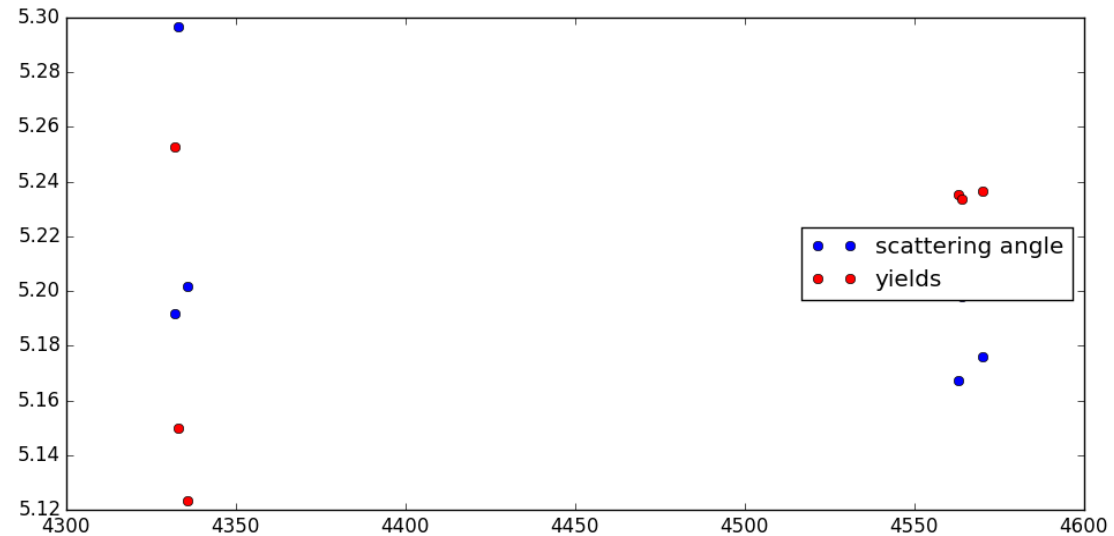
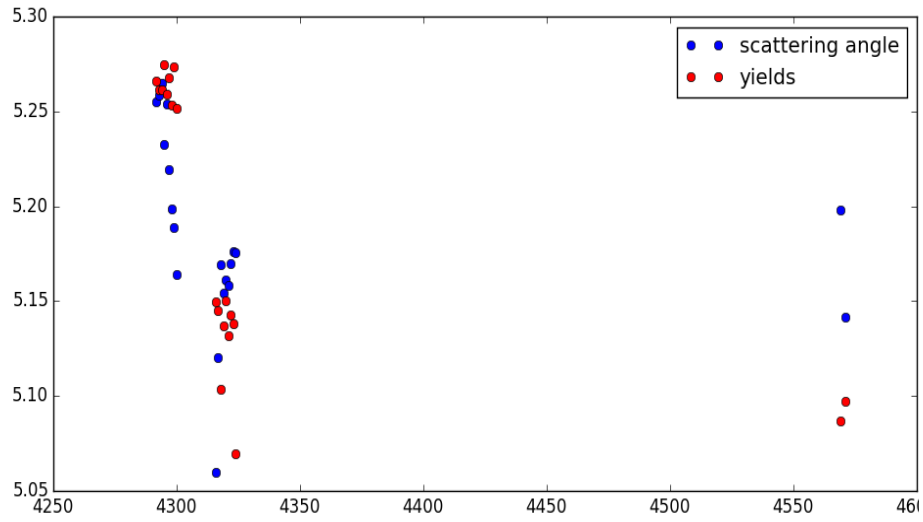
Some yields strongly depend on scattering angle



# Some yields partly depend on scattering angle

p=1405MeV  
Spread=4.97%

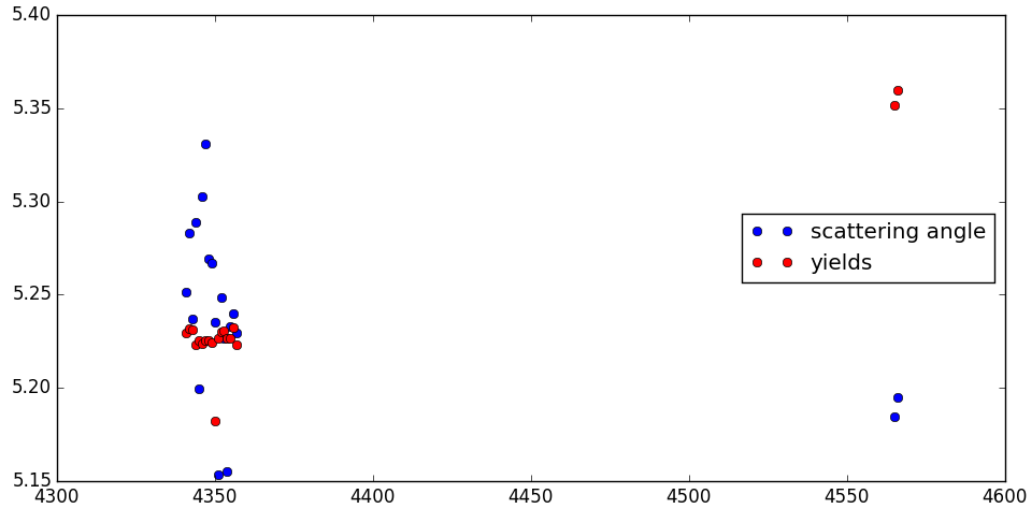
p=1494MeV  
Spread=14.57%



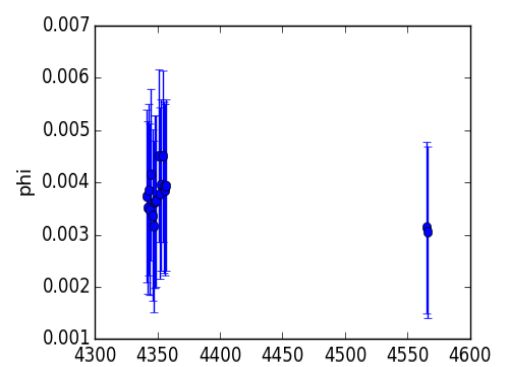
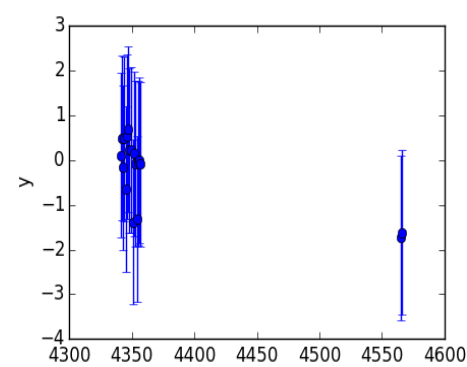
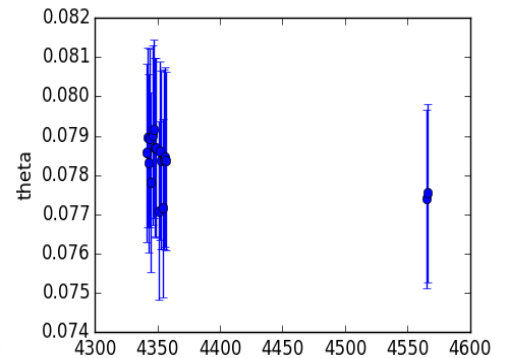
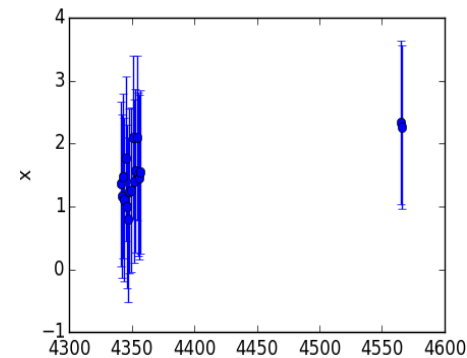
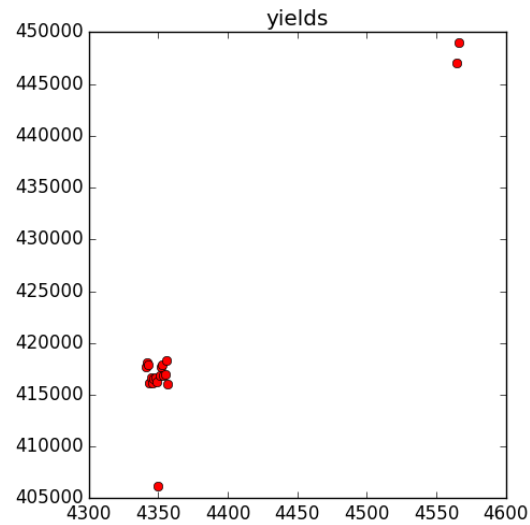
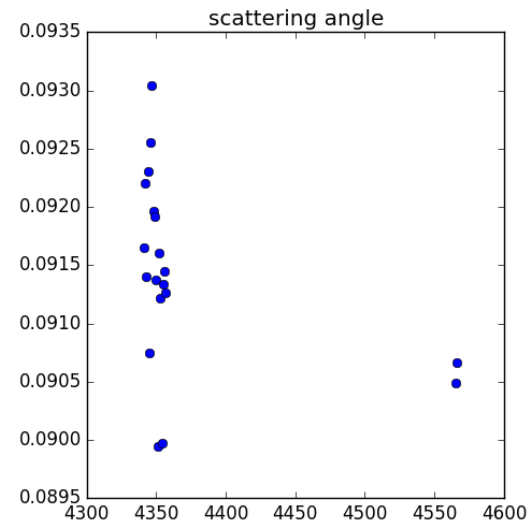
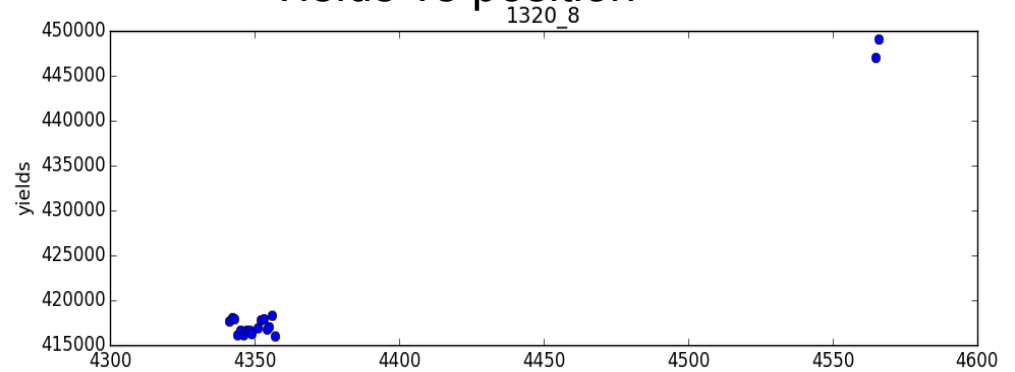
Some yields weakly depend on scattering angle, another reason caused(target density?).

$p=1320\text{MeV}$   
Spread=7.86%

Yields vs scattering angle



Yields vs position



Todo

Asymmetry for different acceptance cut with Chao's newest right arm optics