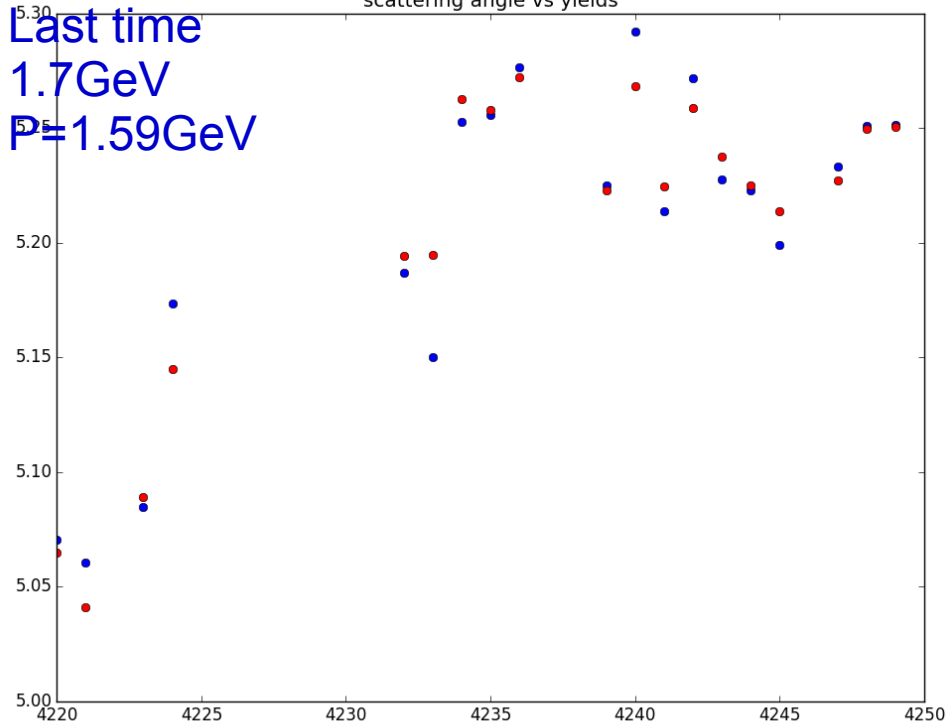


# Yield Drift Study

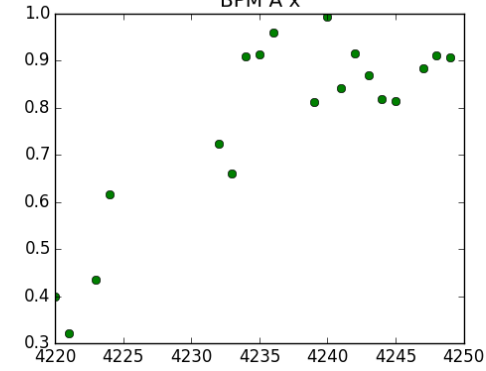
Pengjia Zhu

Last time  
1.7GeV  
P=1.59GeV

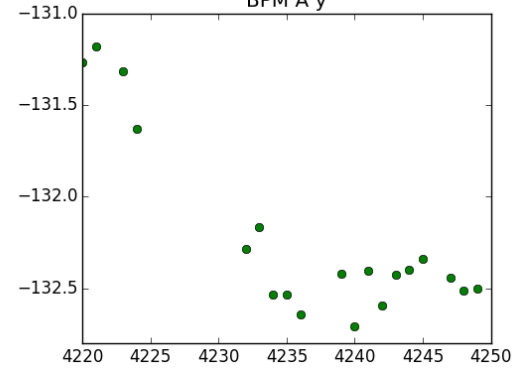
scattering angle vs yields



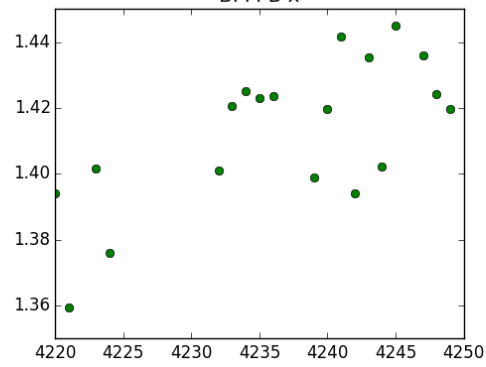
BPM A x



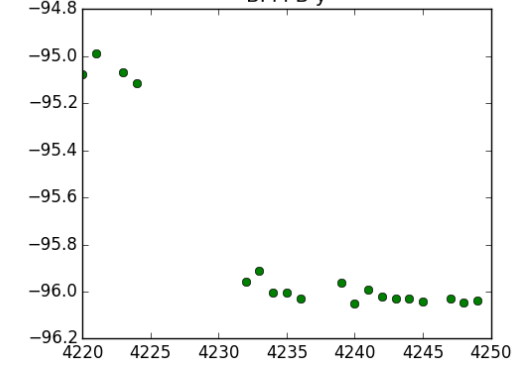
BPM A y



BPM B x

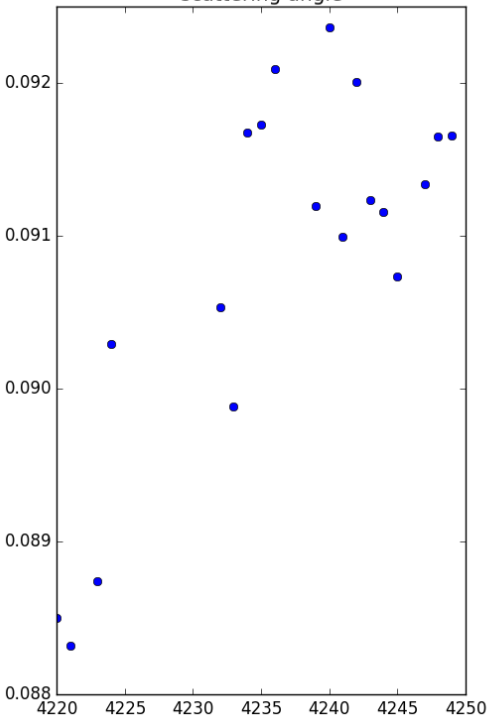


BPM B y

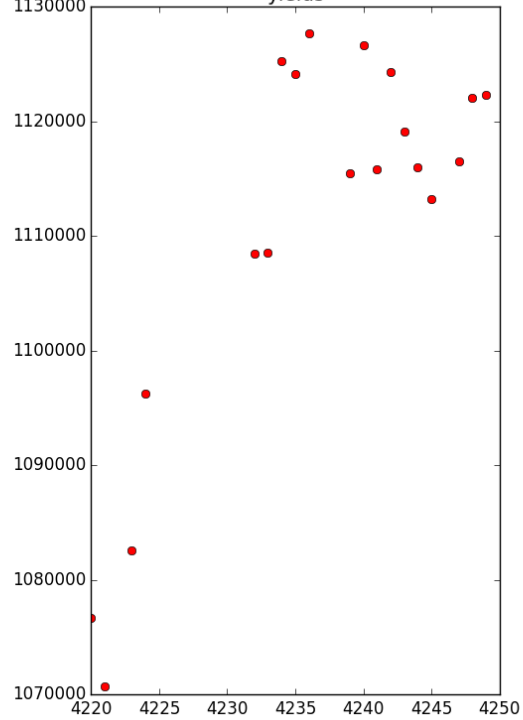


Scat angle proportional to yields ?

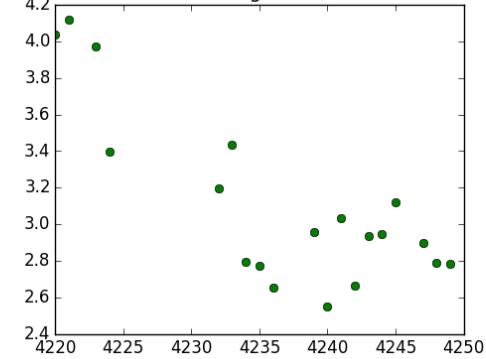
scattering angle



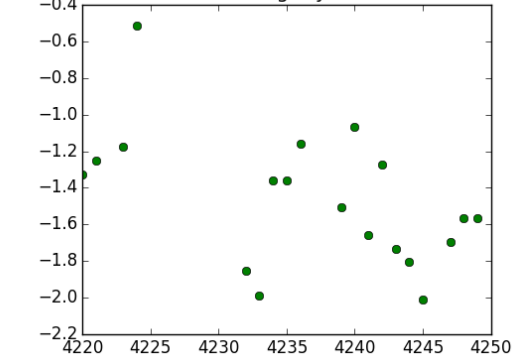
yields



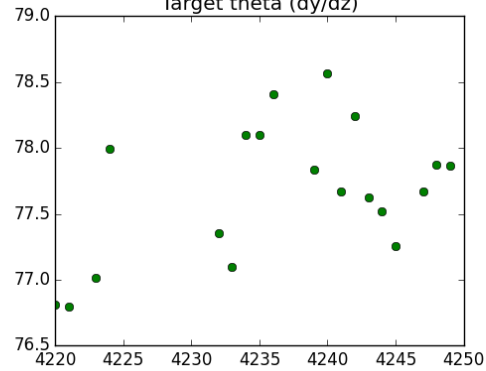
Target x



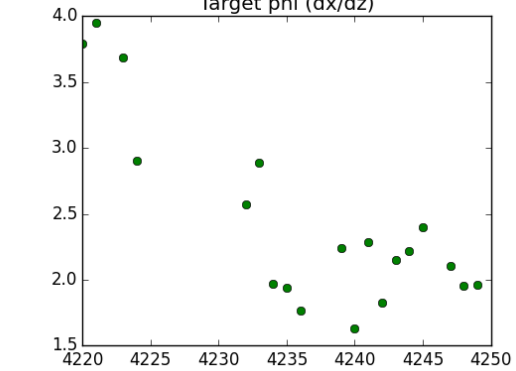
Target y

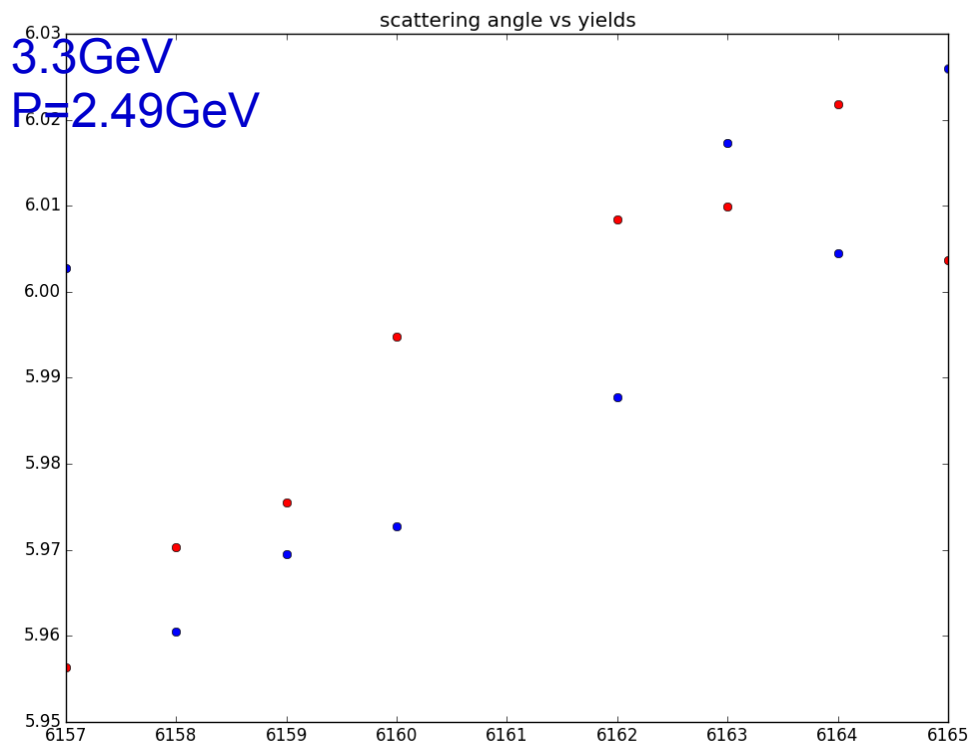


Target theta (dy/dz)

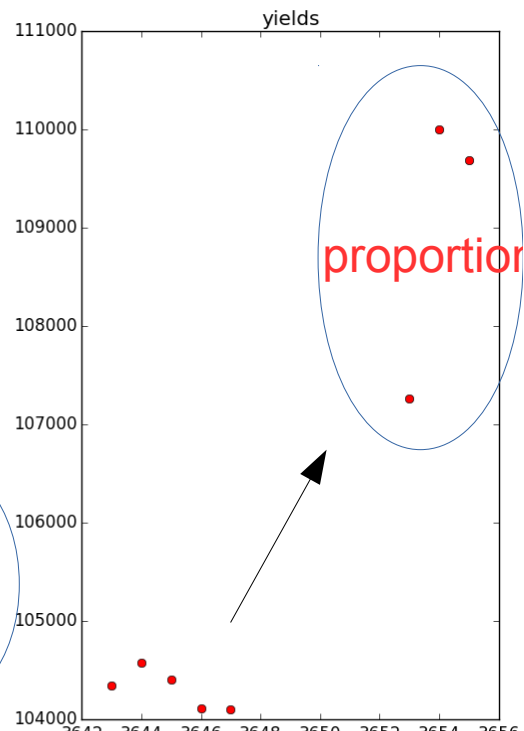
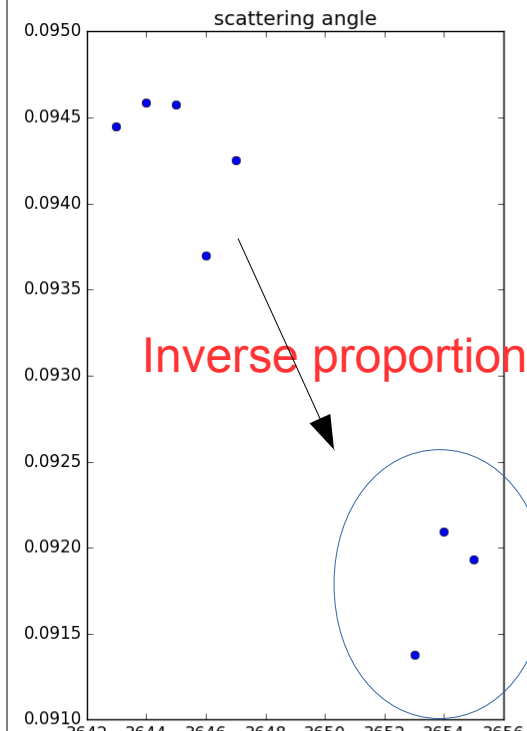
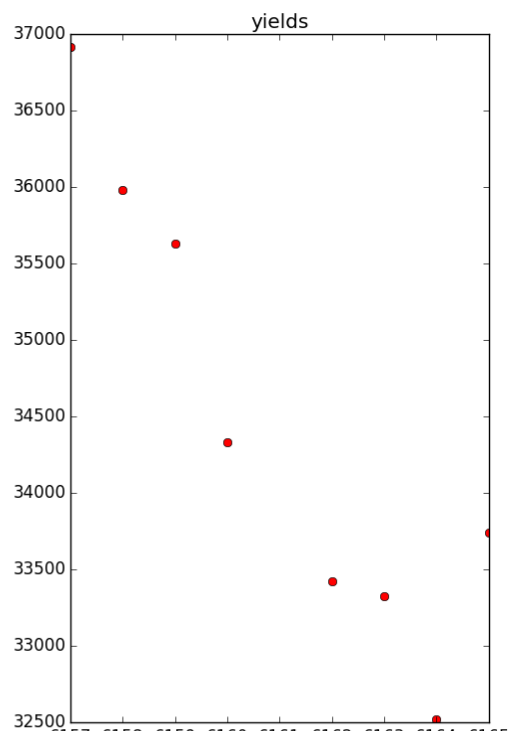
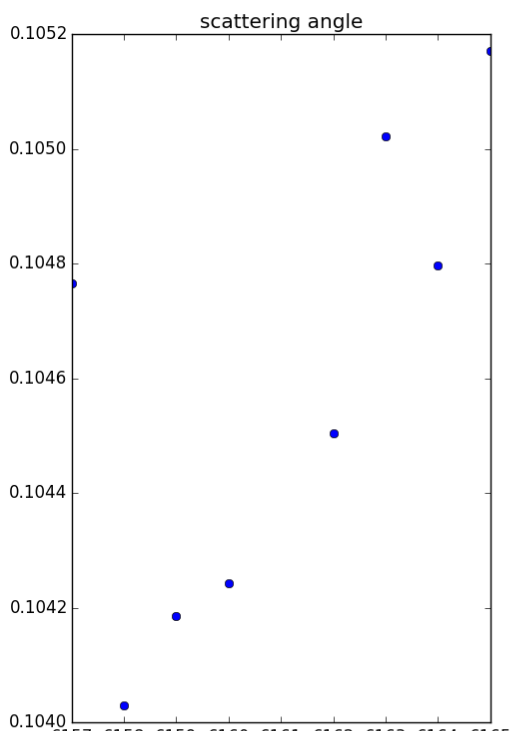
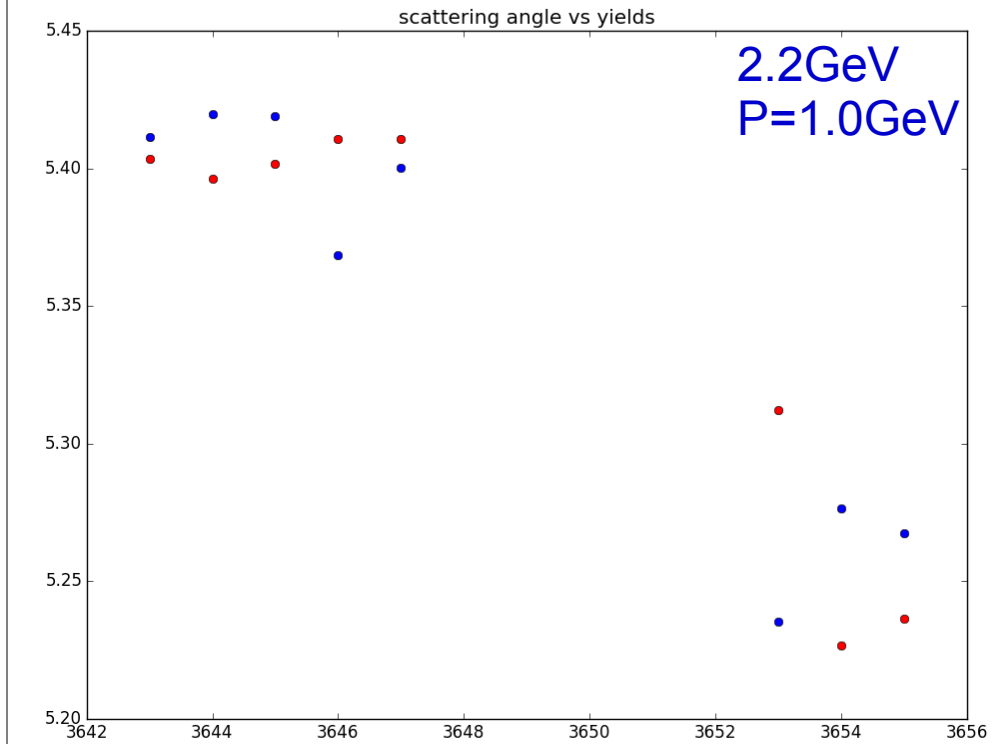


Target phi (dx/dz)



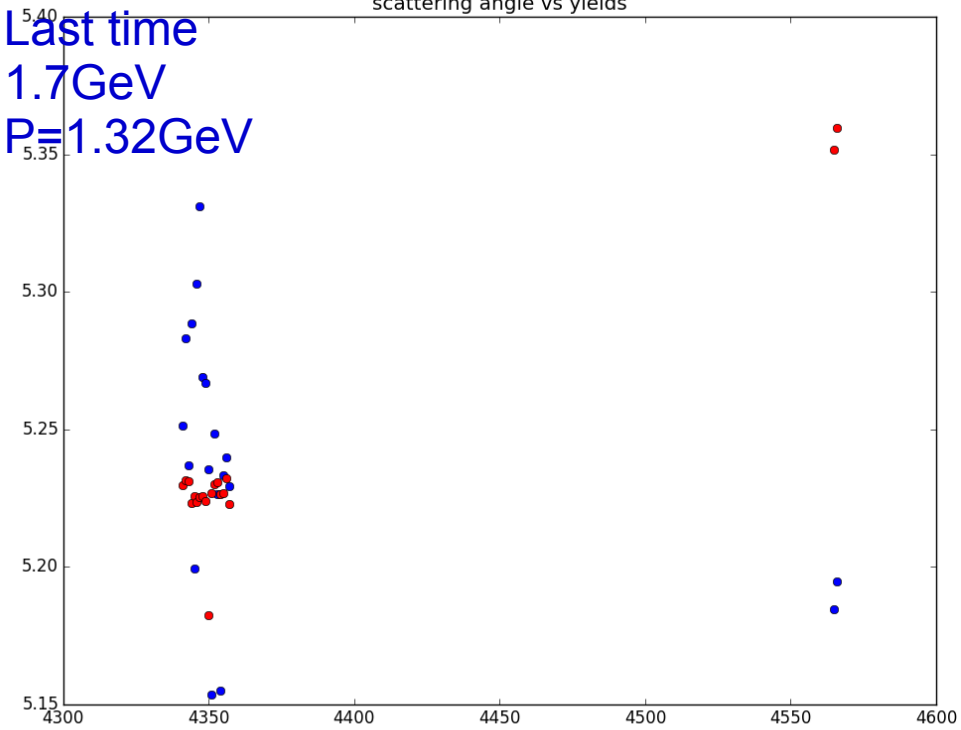


Inverse proportion

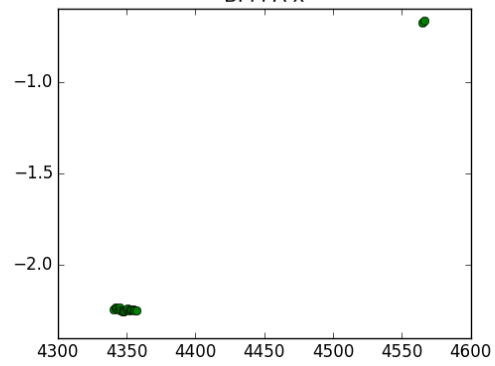


scattering angle vs yields

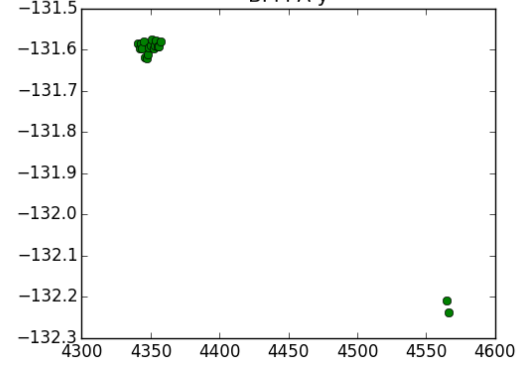
Last time  
1.7GeV  
P=1.32GeV



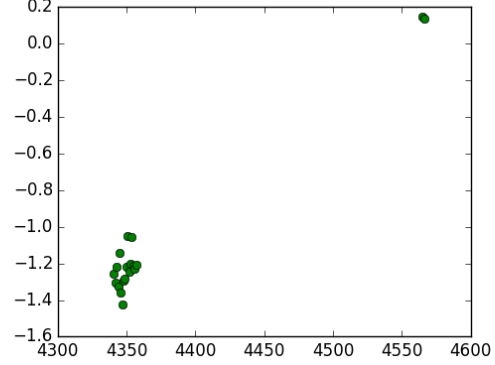
BPM A x



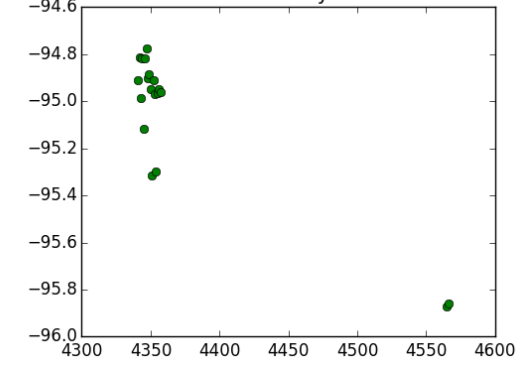
BPM A y



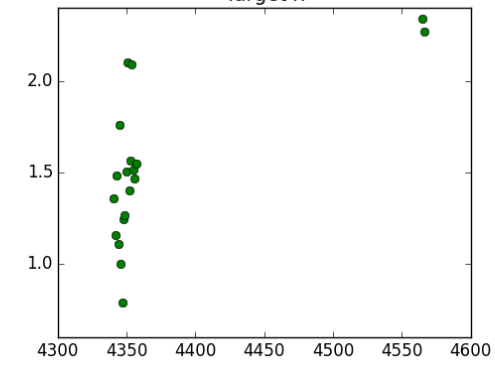
BPM B x



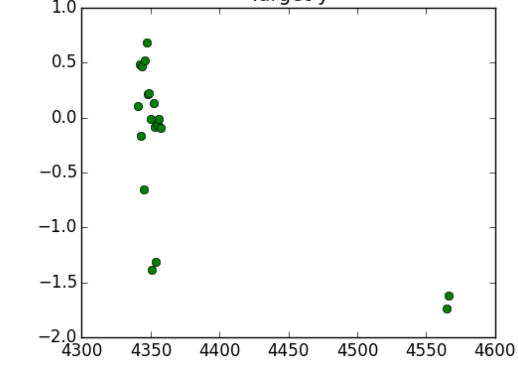
BPM B y



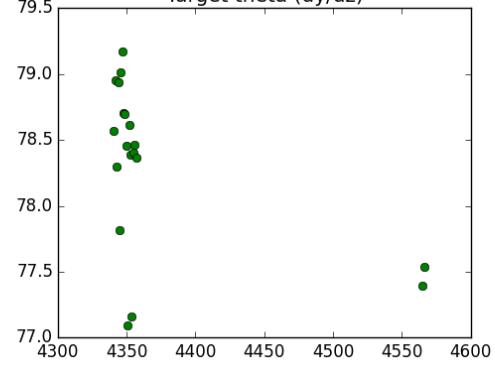
Target x



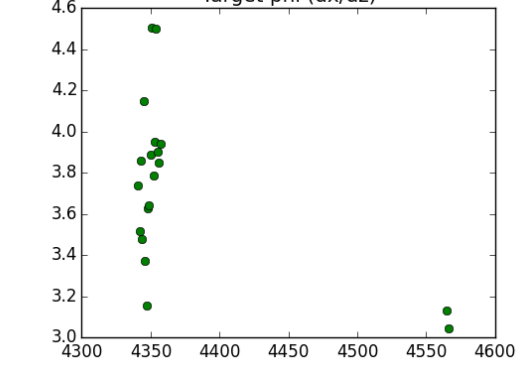
Target y



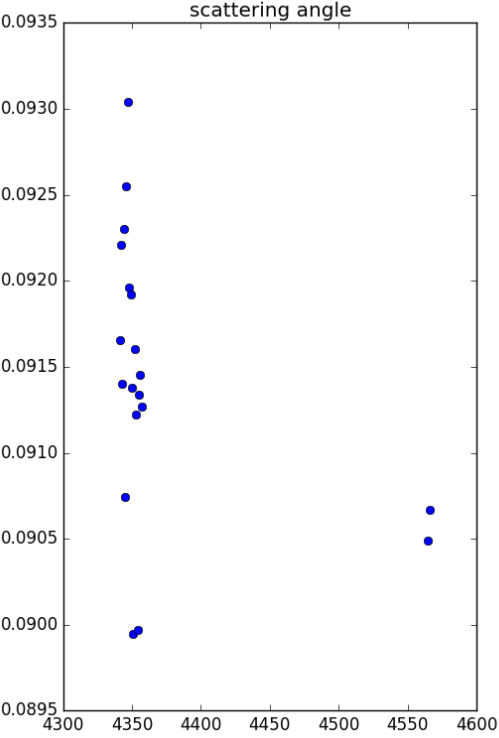
Target theta (dy/dz)



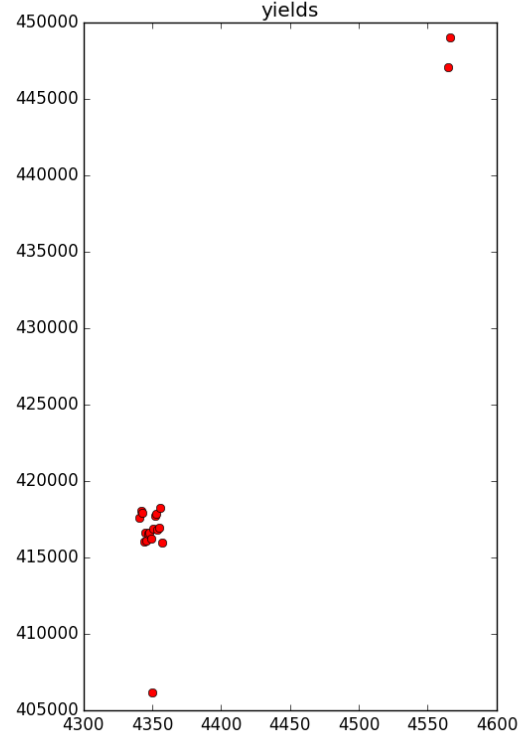
Target phi (dx/dz)



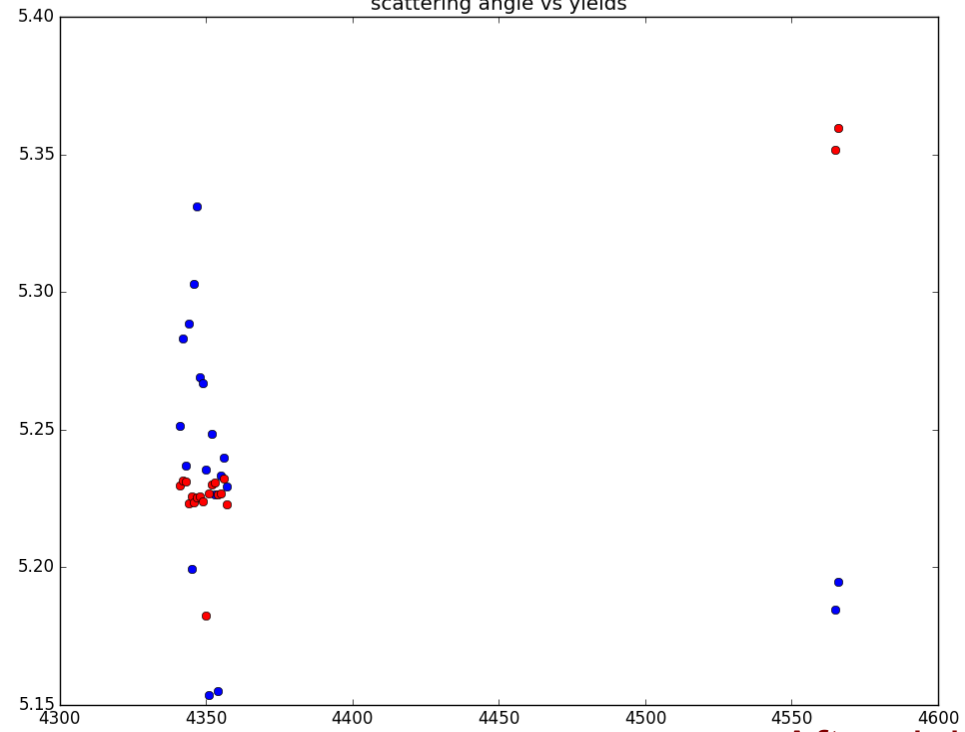
scattering angle



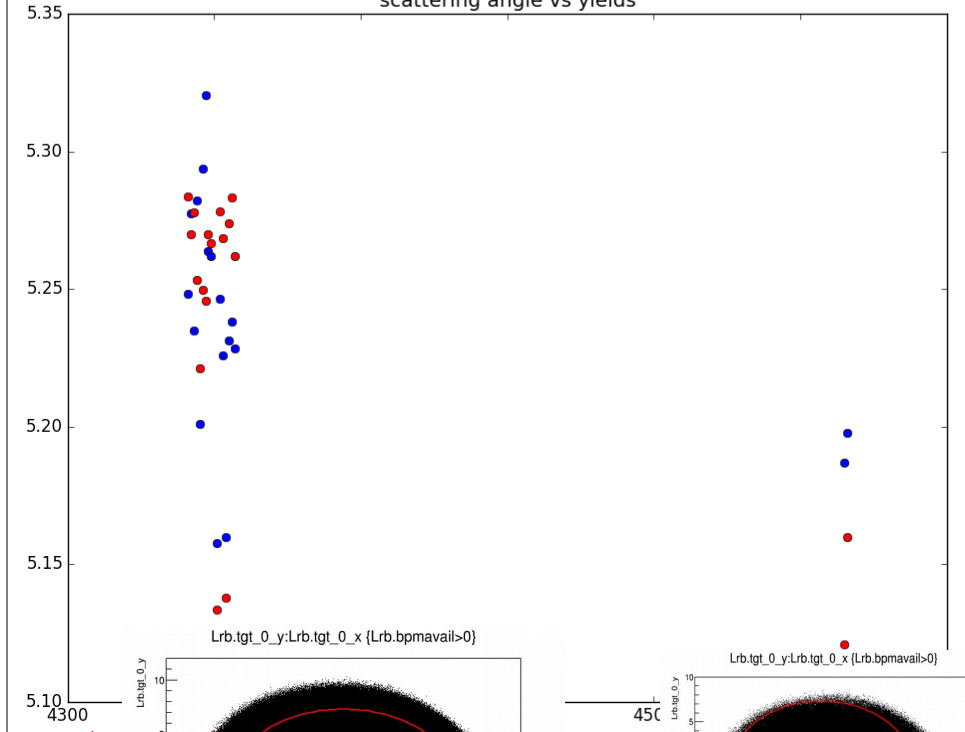
yields



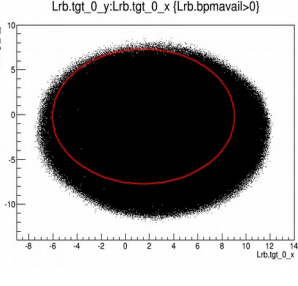
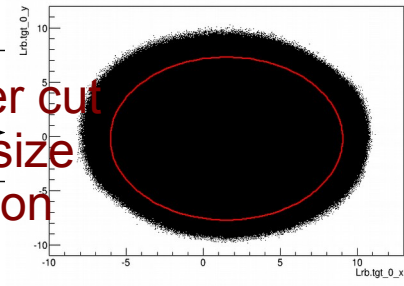
scattering angle vs yields



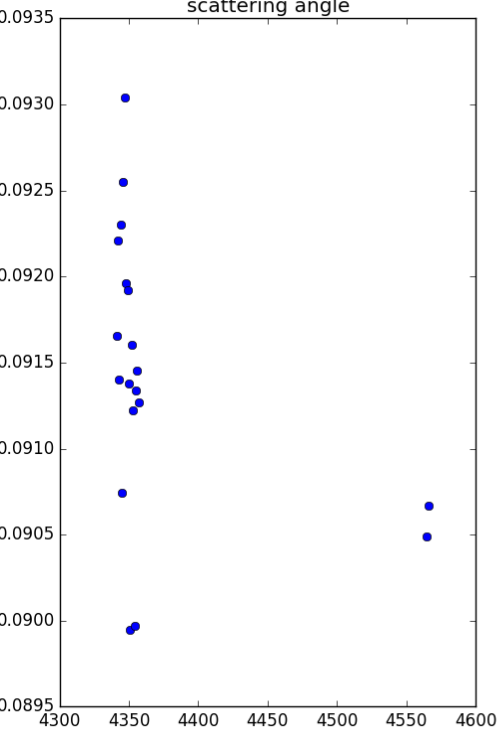
scattering angle vs yields



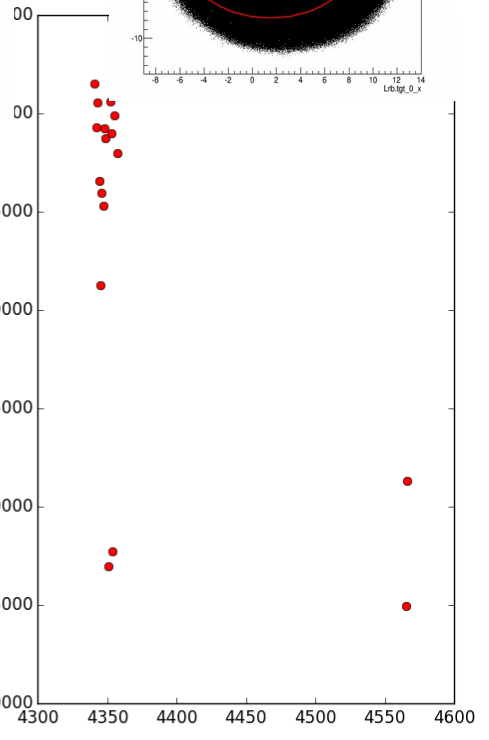
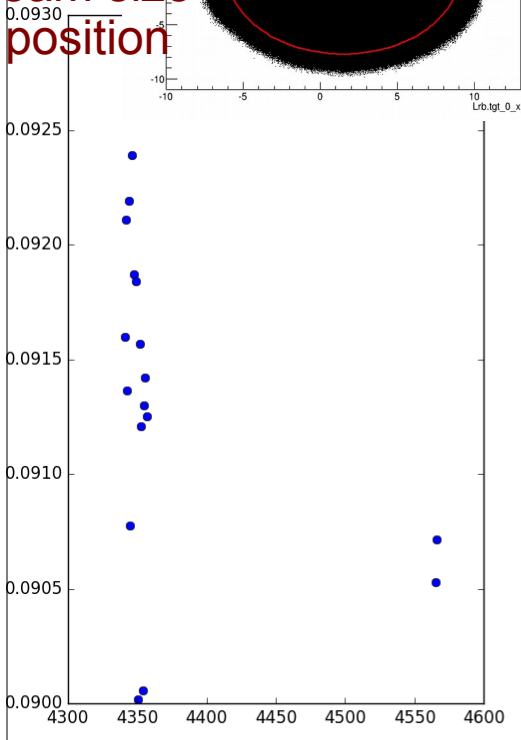
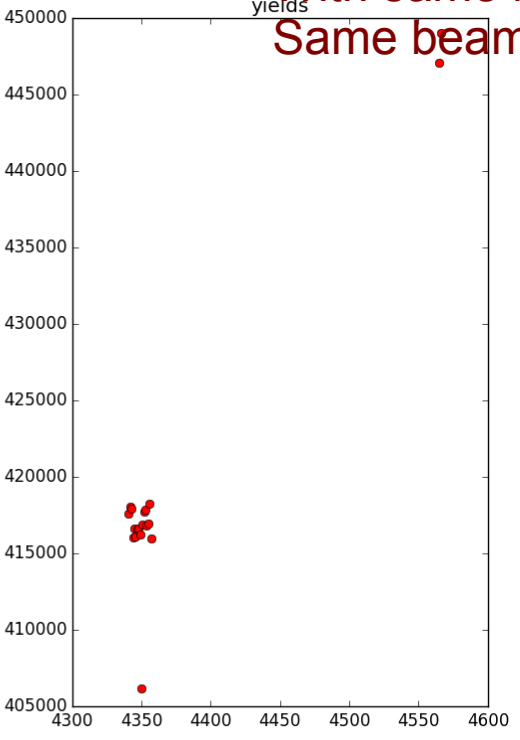
After doing a raster cut  
 With same beam size  
 Same beam position



scattering angle



yields



Problem:

can not find a way to get charge after raster cut

backup

