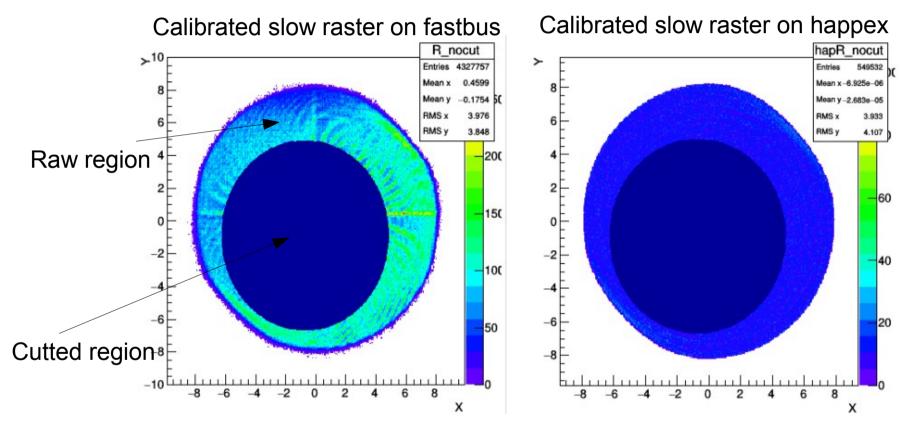
## Position Cut for yield check

Pengjia Zhu

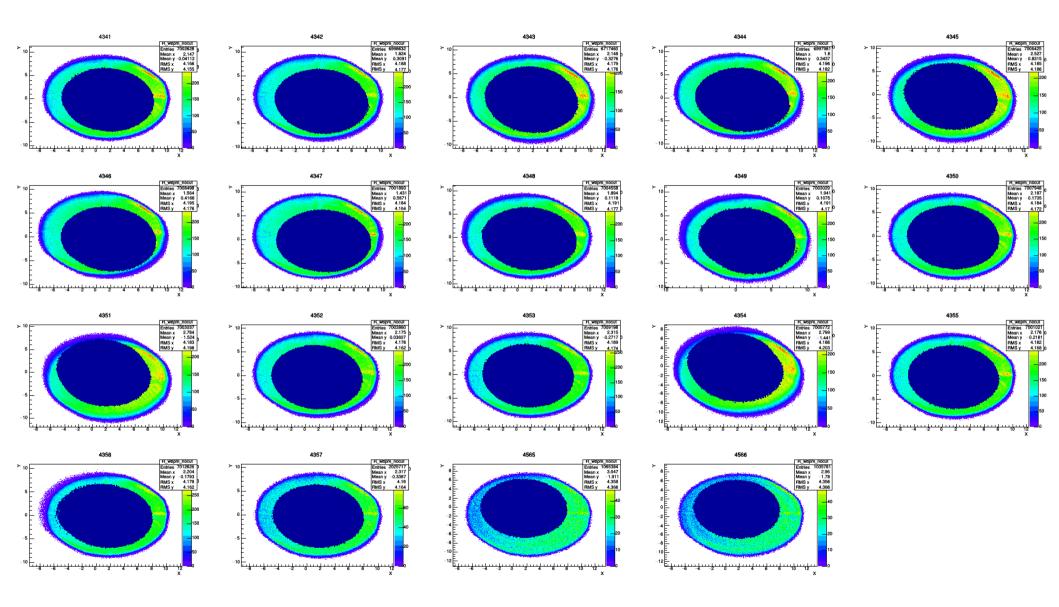
Get charge after position cut Method:

Calibrated slow raster info for both fastbus and happex Use same raster cut for fastbus and happex Use happex raster cut info to get charge from happex bcm

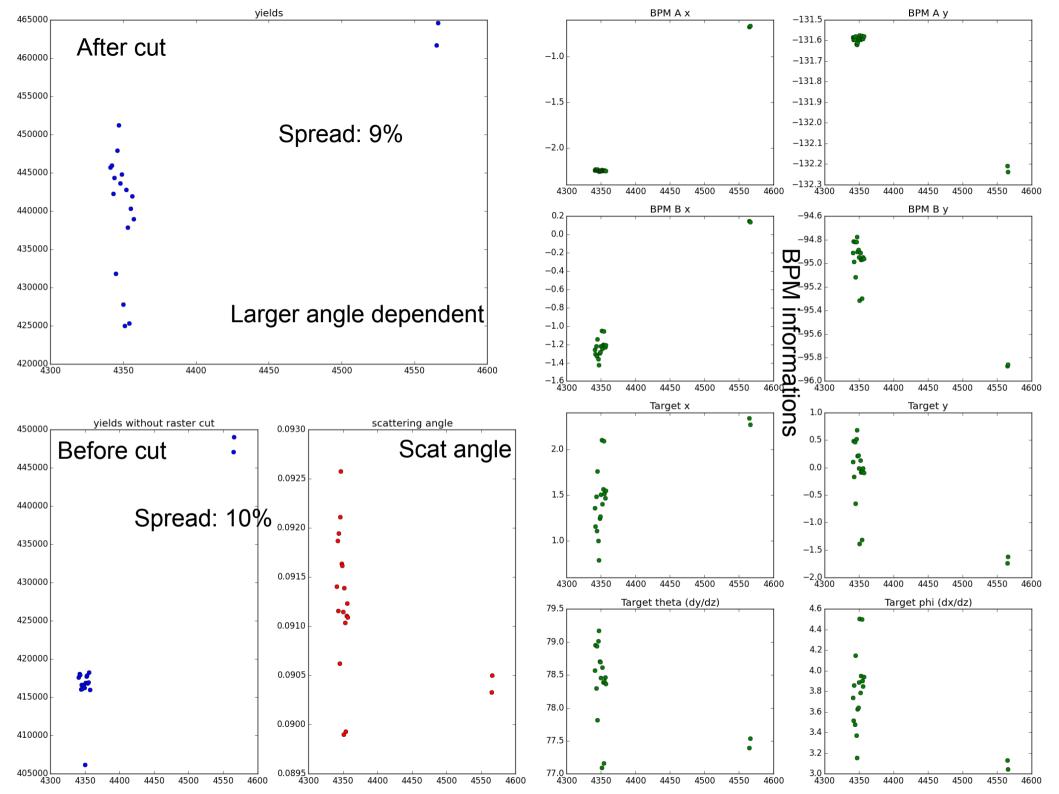


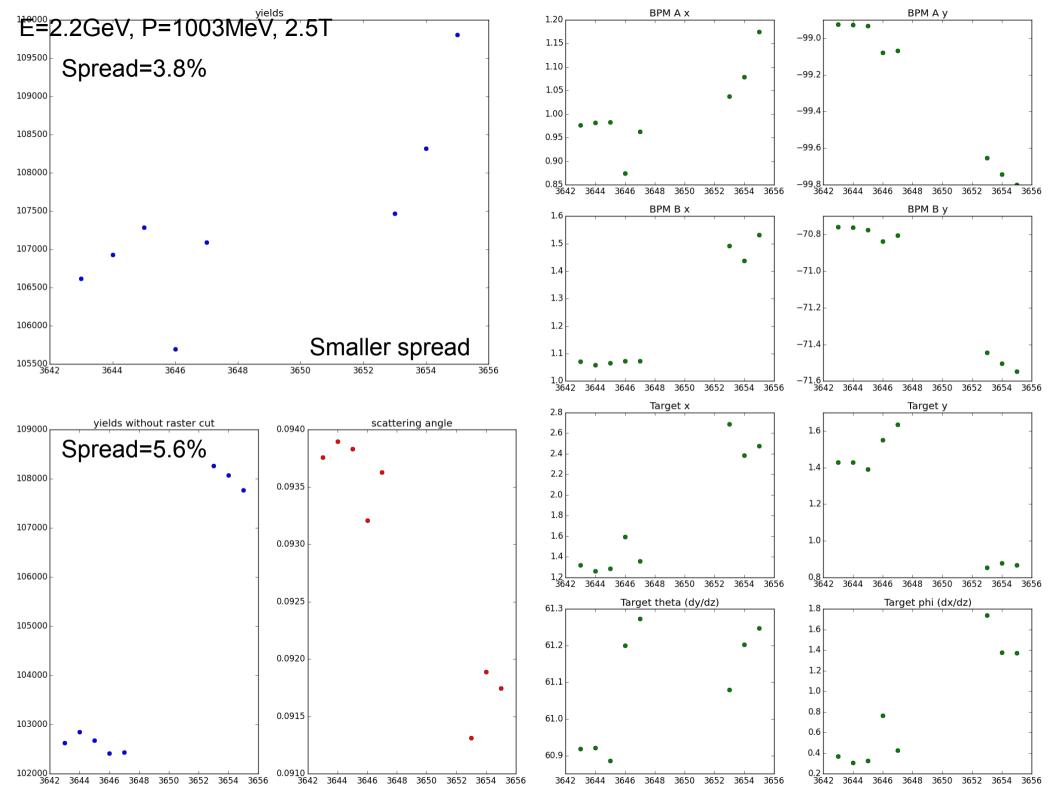
Note: Only cut on slow raster!

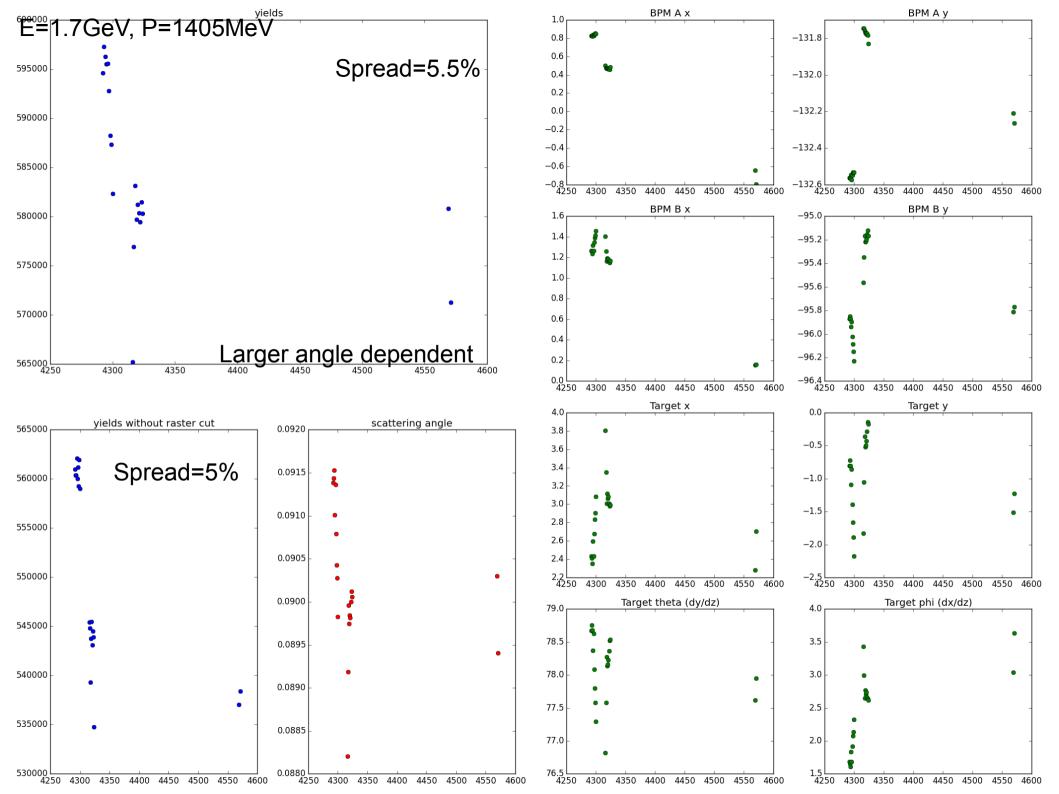
Cut using same center beam position and same slow raster size

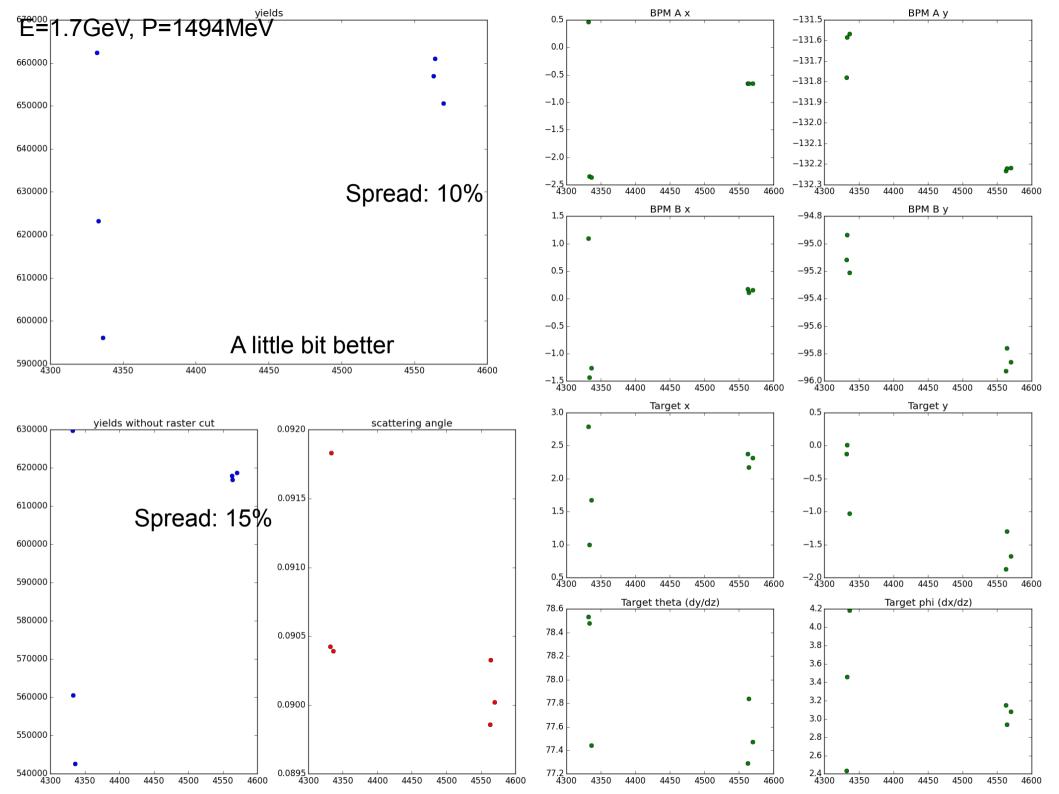


Shortcoming: Since cut on slow raster, can not make sure cut on same beam position 3









## Conclusion:

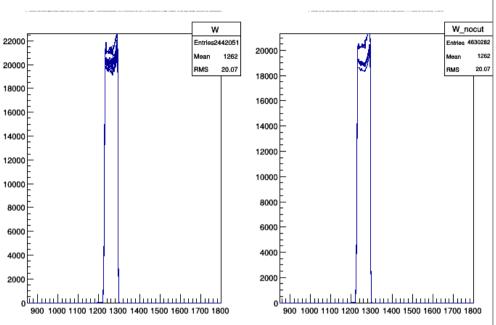
Raster cut will make yield spread better, but the reason of spread is complicate

You can find the library and test code from: /w/halla-sfs62/g2p/pzhu/work/raster/rastercut

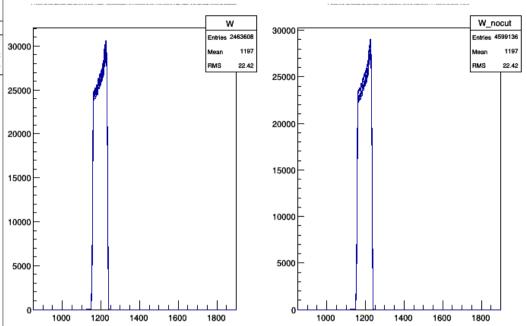
Now support to use triangle cut and ellipse cut, can add more.

backup

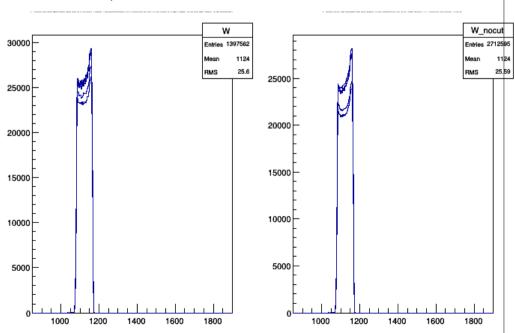
E=1.7GeV, P=1320MeV



E=1.7GeV, P=1405MeV



E=1.7GeV, P=1494MeV



E=2.2GeV, P=1003MeV, 2.5T

