



Optics Settings, 21/09/15



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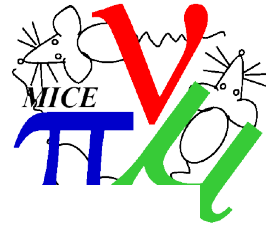


Assumptions

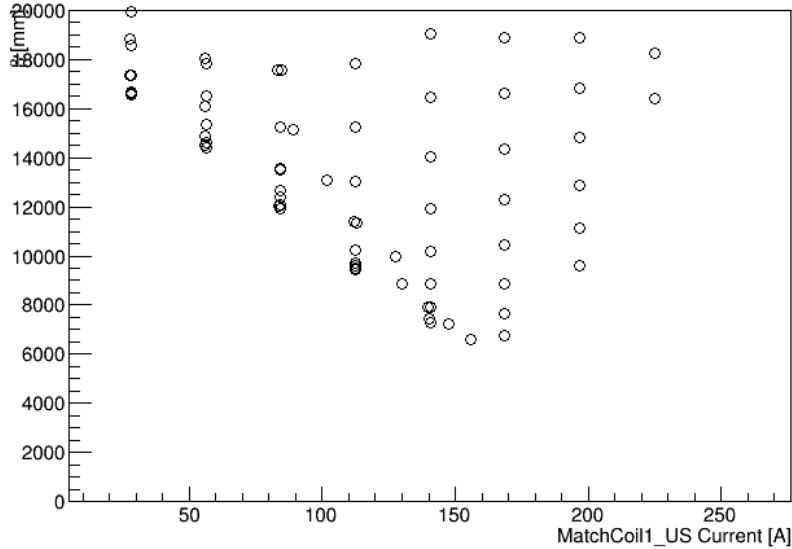


- I have no idea what beamline will really give us
 - Guess it is something like 400-1000 mm beta
- Guidance is 100 A on CC
 - I did $0.4 * 274.0 = 109.6$ (close enough)
- Settings for ssu only
- Settings for ssu-ssd
- Settings for 140 MeV/c
- Solenoid mode
- Want to reduce scraping, i.e. keep beta as low as possible in SSD
- Priority is to get as much bending in the tracks i.e. keep SSU/SSD as high field as possible
- Not that much that can be done – but I will do my best...

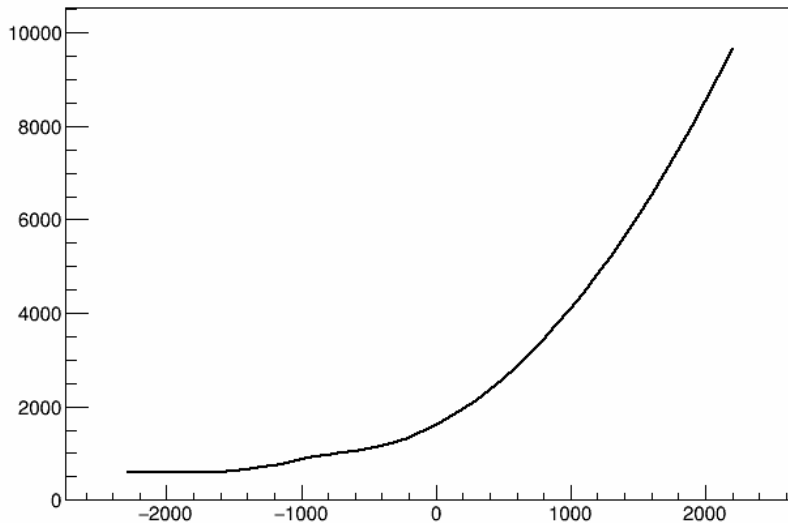
140 MeV/c SSU only



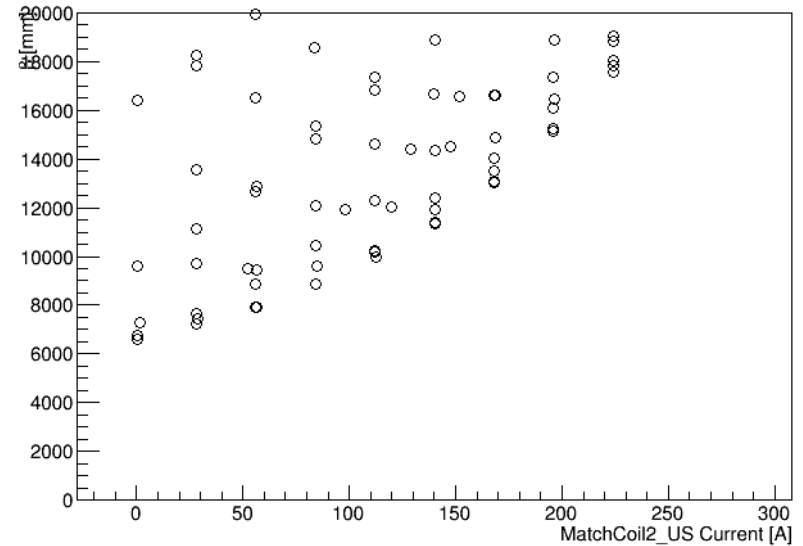
solenoid momentum=140.0



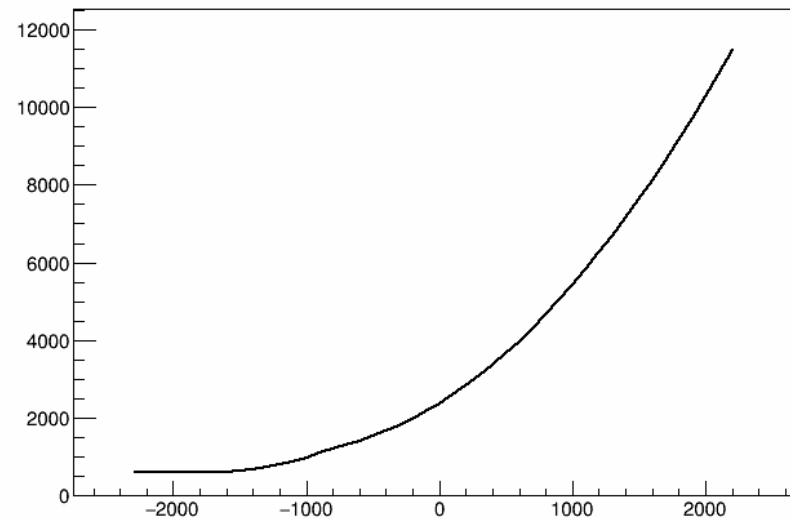
p=140.0 MeV/c, FC=0.0, M1_DS=0.0, M2_DS=0.0, M1_US=112.39, M2_US=112.03 A



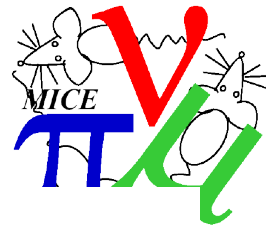
solenoid momentum=140.0



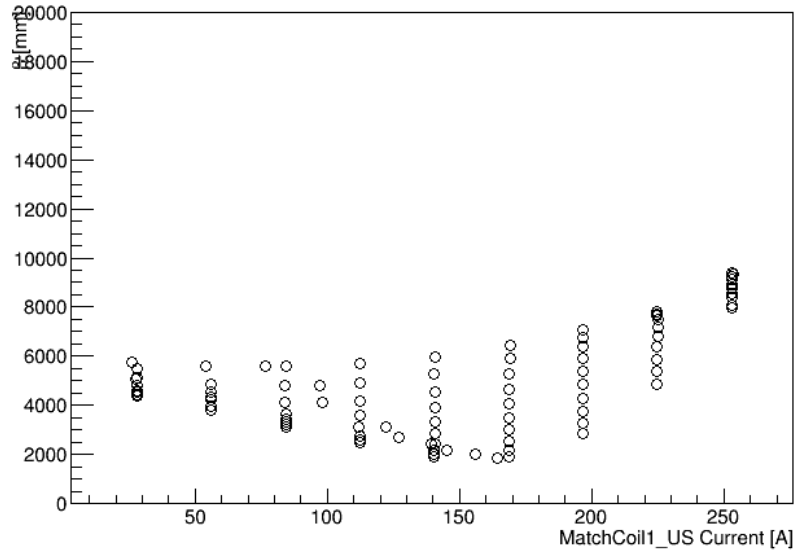
p=140.0 MeV/c, FC=0.0, M1_DS=0.0, M2_DS=0.0, M1_US=84.29, M2_US=84.0 A



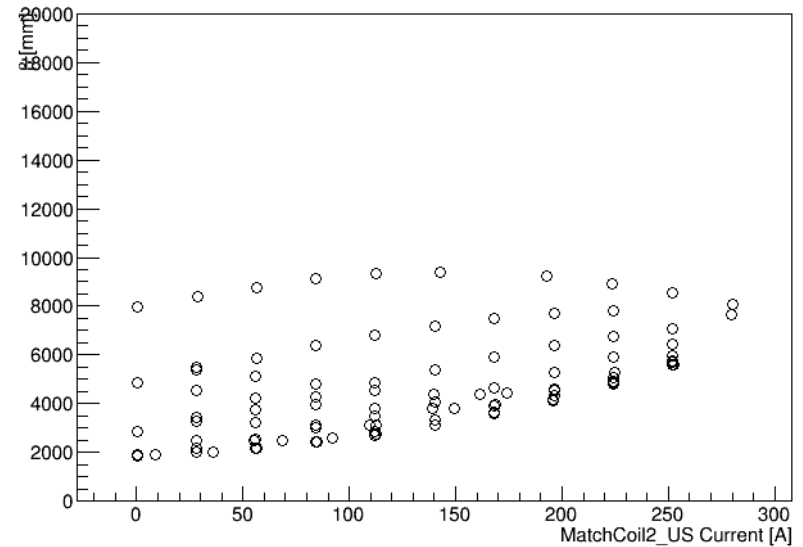
140 MeV/c SSU + SSD



solenoid momentum=140.0



solenoid momentum=140.0



p=140.0 MeV/c, FC=0.0, M1_DS=0.0, M2_DS=0.0, M1_US=84.3, M2_US=84.0 A

