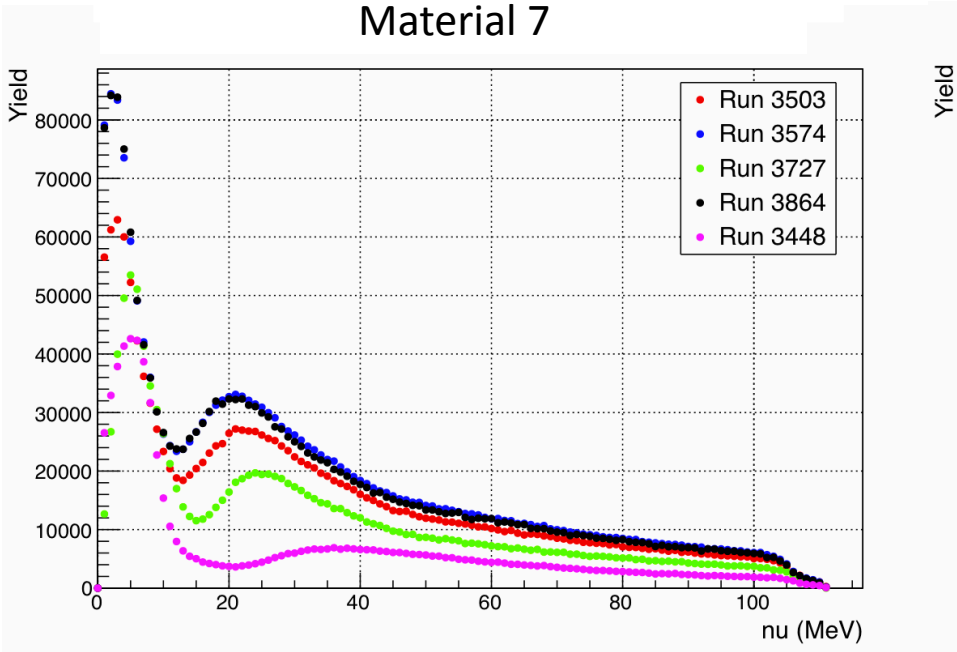
Epics Checks for P_f Analysis

M. Cummings

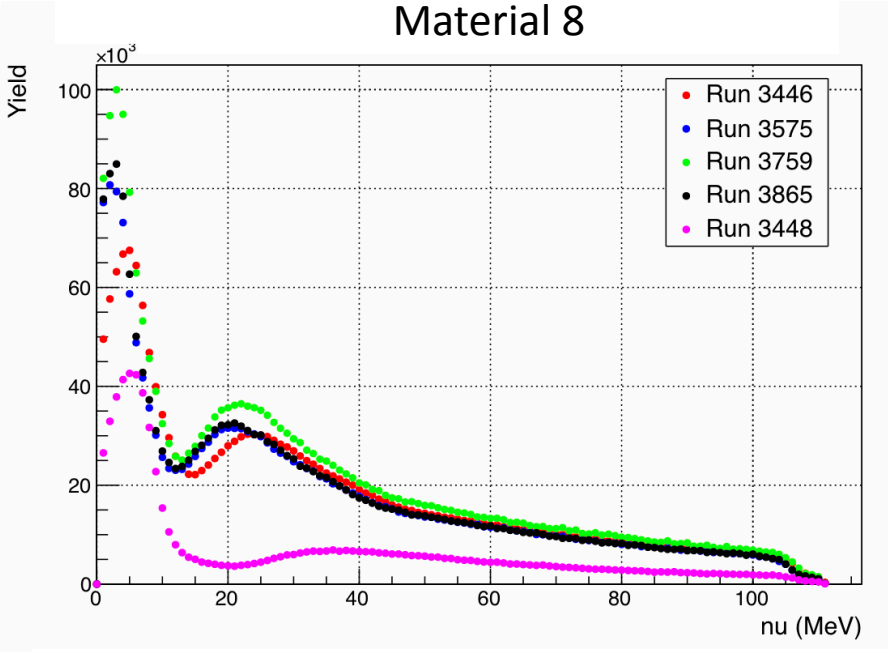
07/22/15

2.2 GeV, 2.5T, Transverse

Material 7



Material 8



Run	Mat.	Pf ± Uncertainty
3503	7	0.327 ± 0.007
3574	7	0.648 ± 0.018
3727	7	0.074 ± 0.003
3864	7	0.795 ± 0.031

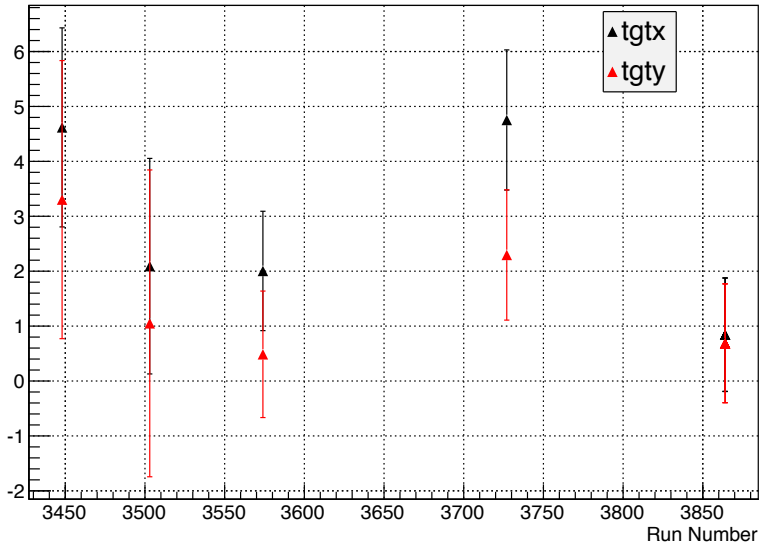
Run	Mat.	Pf ± Uncertainty
3446	8	0.505 ± 0.013
3575	8	0.606 ± 0.015
3759	8	0.894 ± 0.031
3865	8	0.810 ± 0.031

- Raster size was changed from 2.0 to 1.8 cm after run 3503, but before run 3574

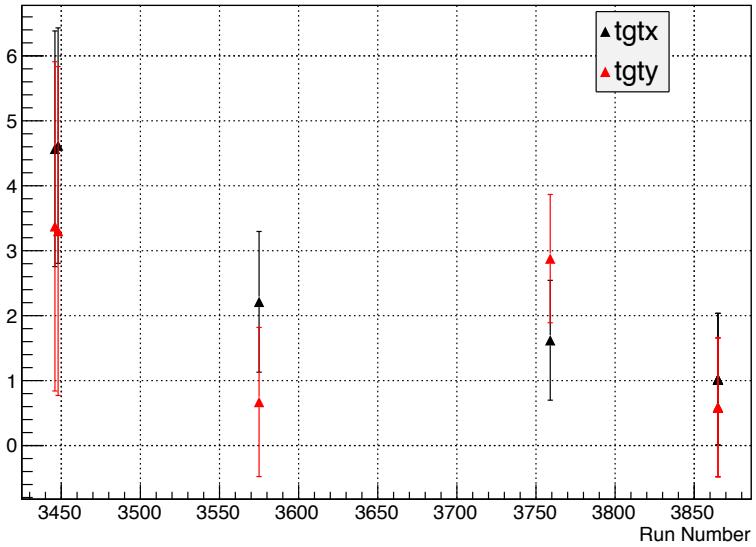
2.2 GeV, 2.5T, Transverse

Beam Position

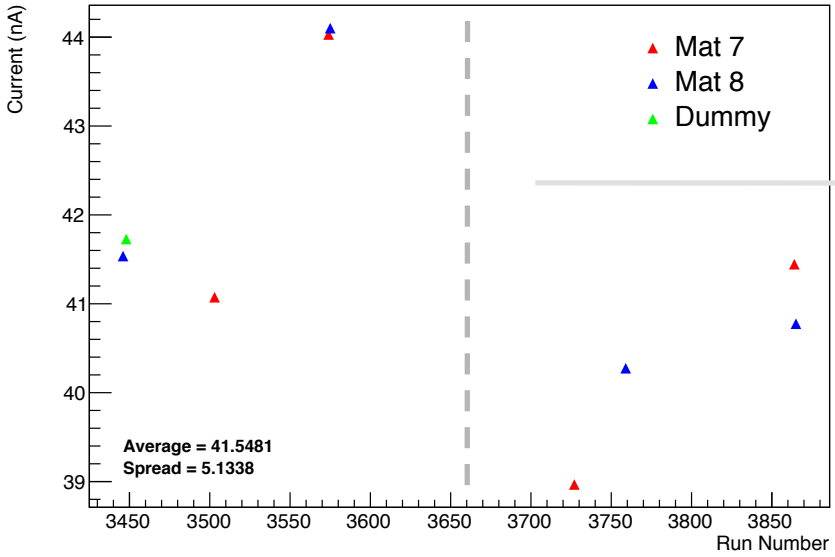
Material 7



Material 8

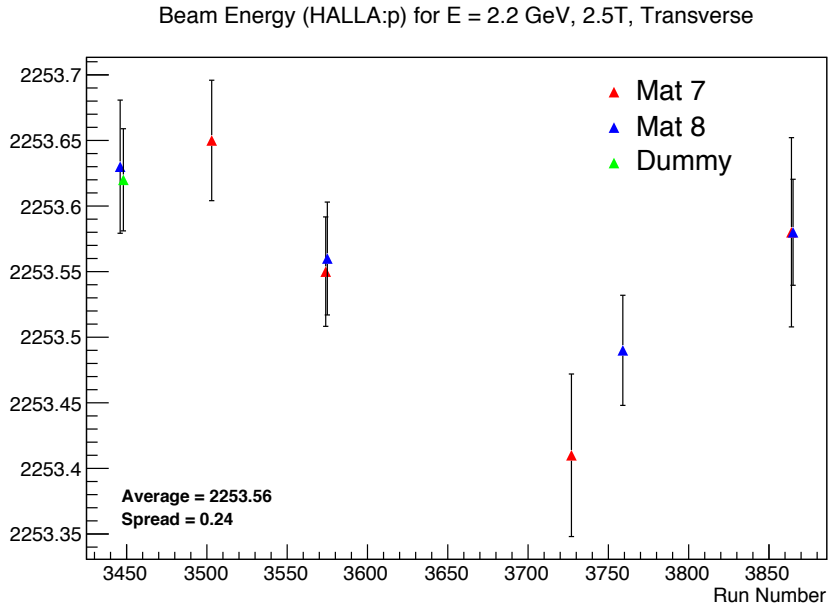


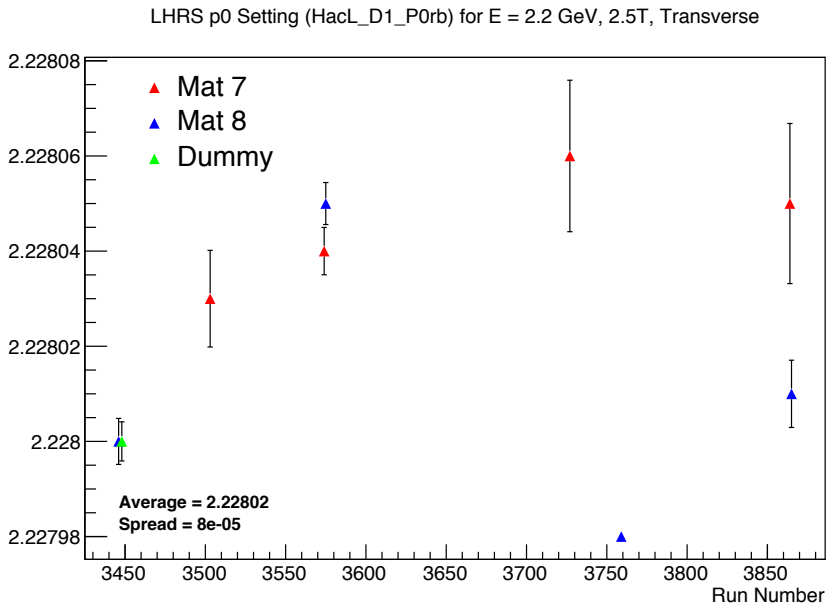
Beam Current for E = 2.2 GeV, 2.5T, Transverse

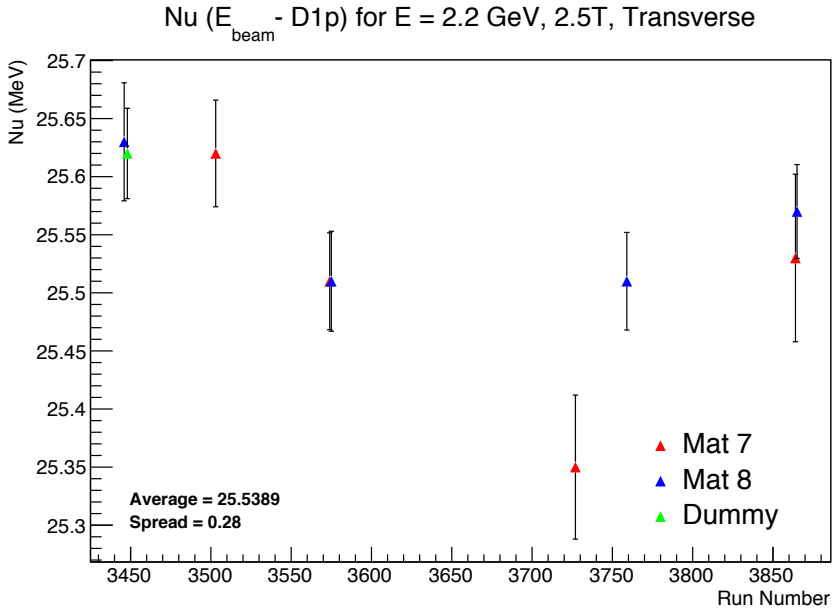


BCM calibration changed here

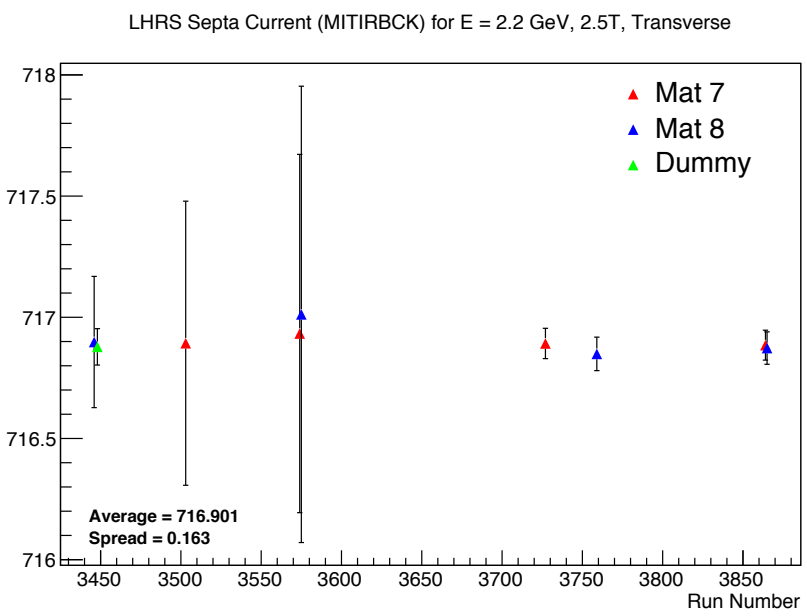
2.2 GeV, 2.5T, Transverse

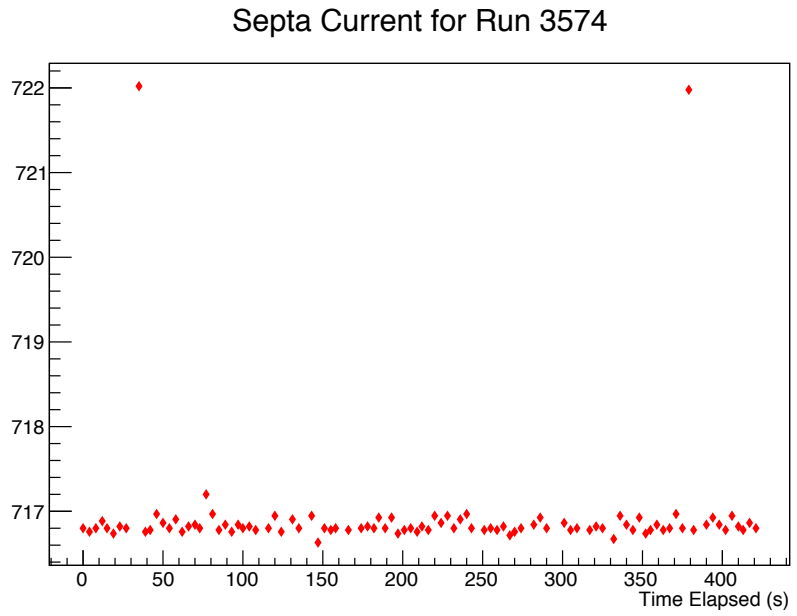




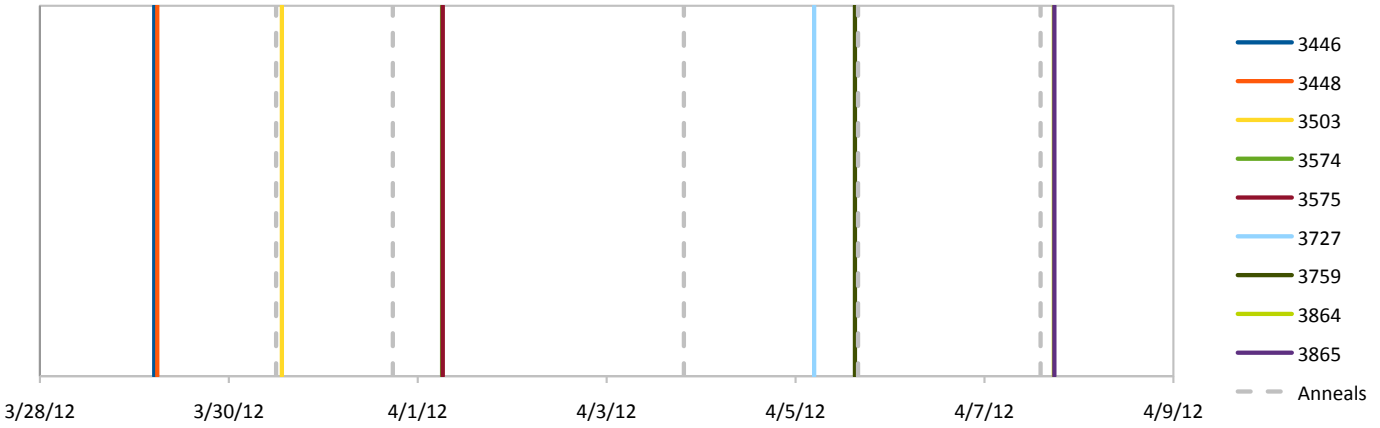


2.2 GeV, 2.5T, Transverse



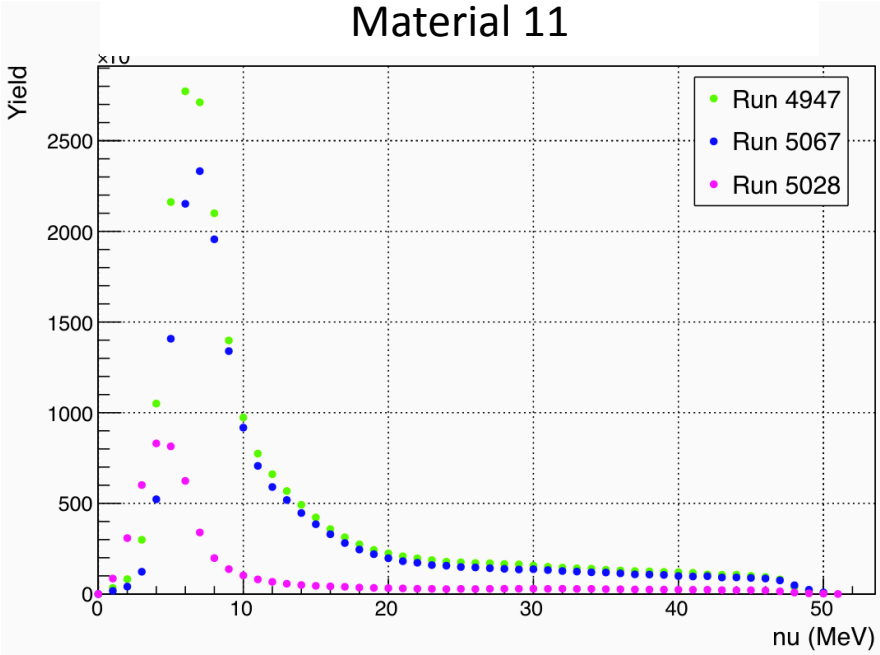


Anneals

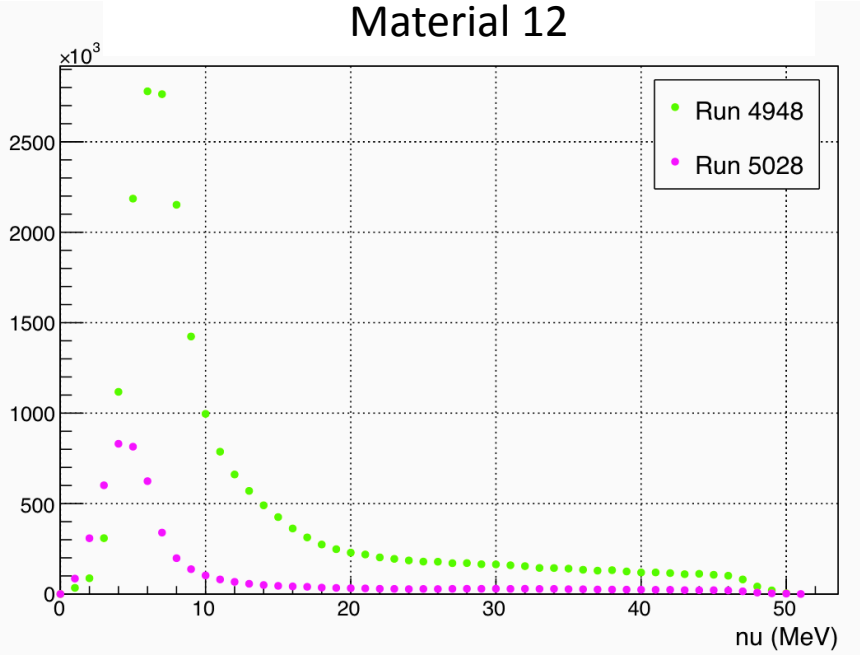


1.1 GeV, 2.5T, Transverse

Material 11



Material 12

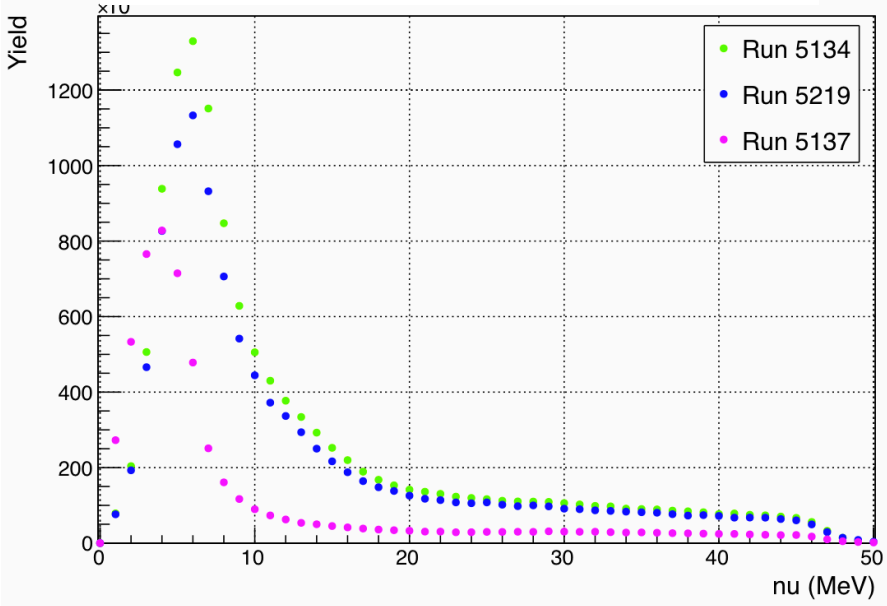


Run	Mat.	Pf ± Uncertainty
4947	11	0.444 ± 0.029
5067	11	0.350 ± 0.012

Run	Mat.	Pf ± Uncertainty
4948	12	0.456 ± 0.030

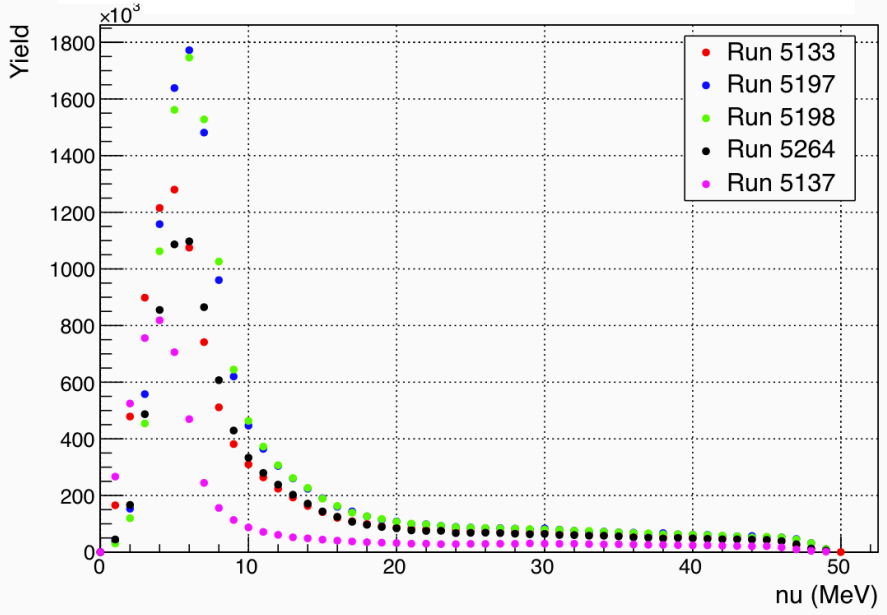
1.1 GeV, 2.5T, Transverse

Material 13



Run	Mat.	Pf ± Uncertainty
5134	13	0.171 ± 0.011
5219	13	0.116 ± 0.006

Material 14

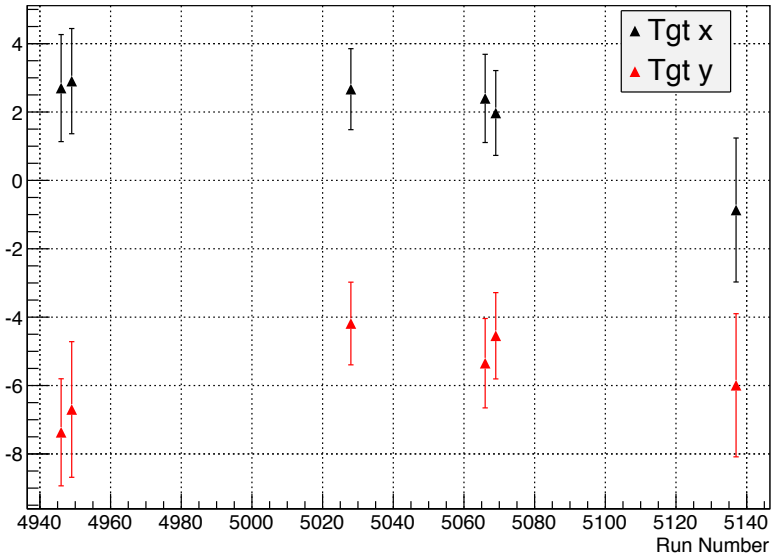


Run	Mat.	Pf ± Uncertainty
5133	14	0.229 ± 0.0086
5197	14	0.347 ± 0.0153
5198	14	0.335 ± 0.0155
5264	14	0.143 ± 0.0073

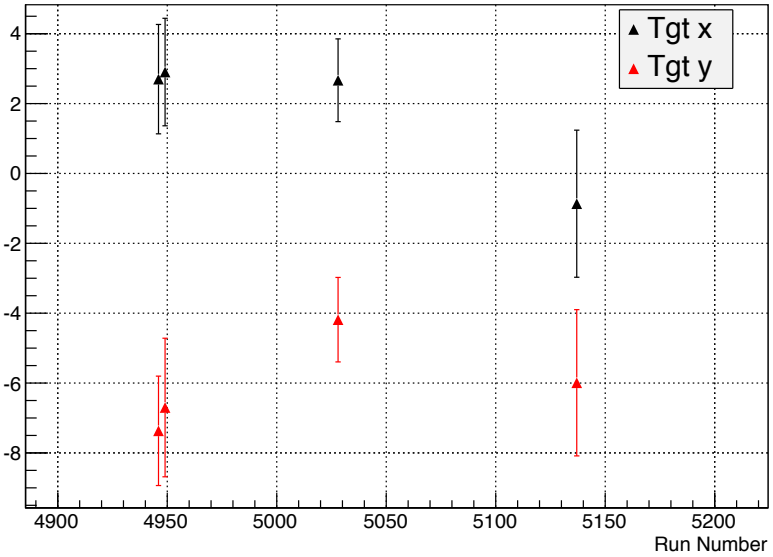
(short cell)

1.1 GeV, 2.5T, Transverse

Material 11



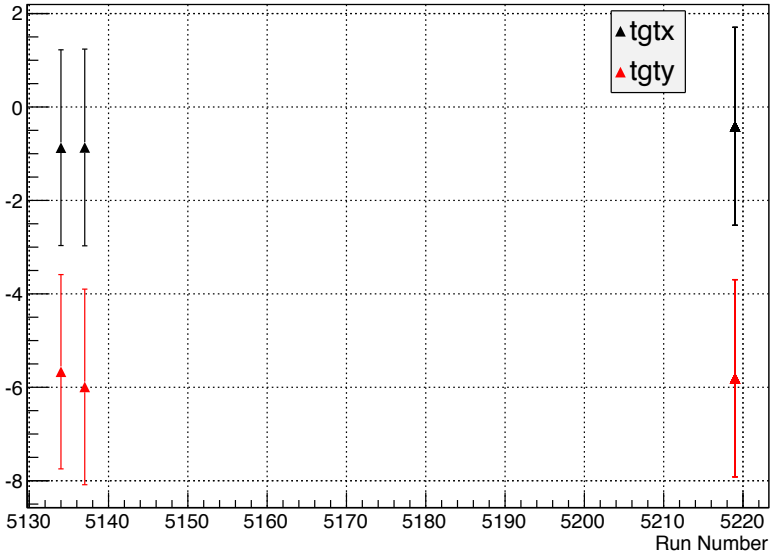
Material 12



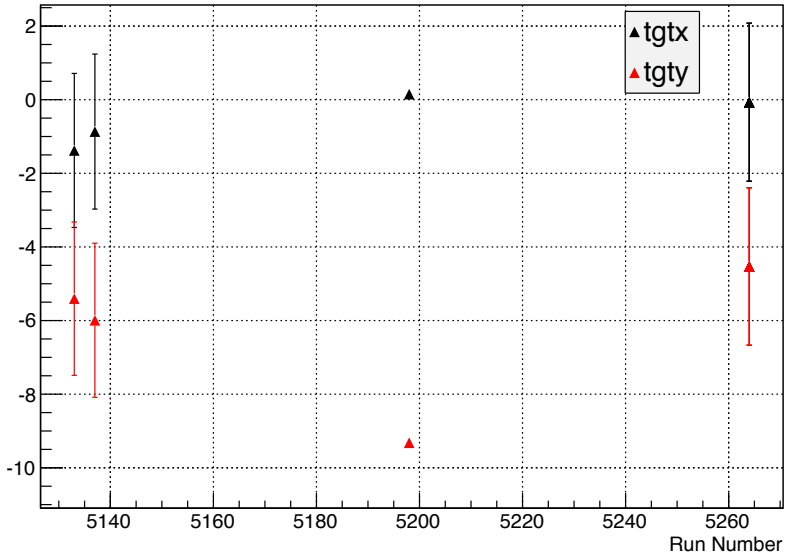
Runs 4947 (11), 4948 (12), 5067 (11), don't have beam position information – neighboring runs are shown here.

1.1 GeV, 2.5T, Transverse

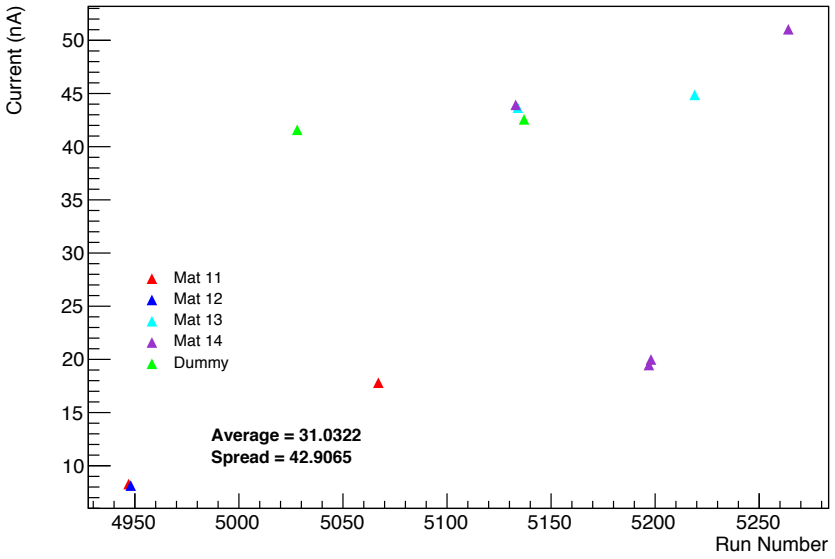
Material 13



Material 14



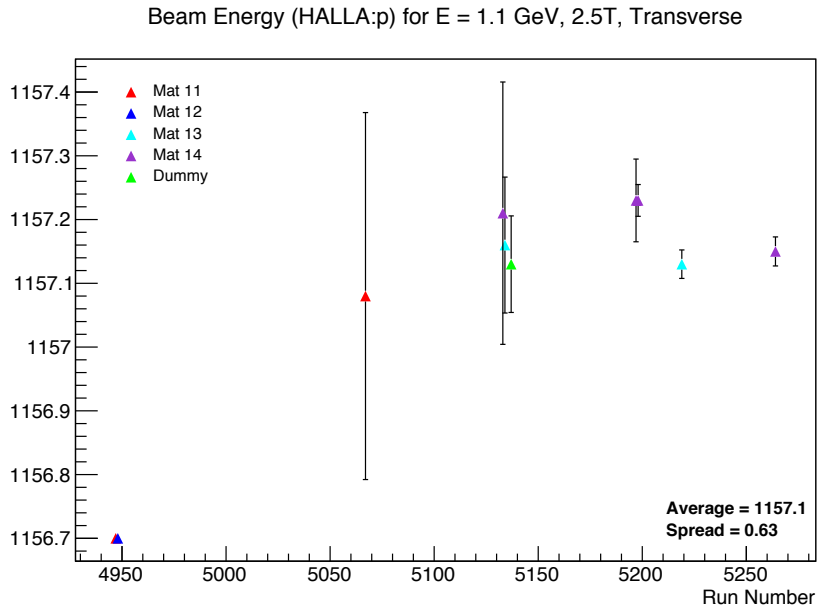
Beam Current for E = 1.1 GeV, 2.5T, Transverse

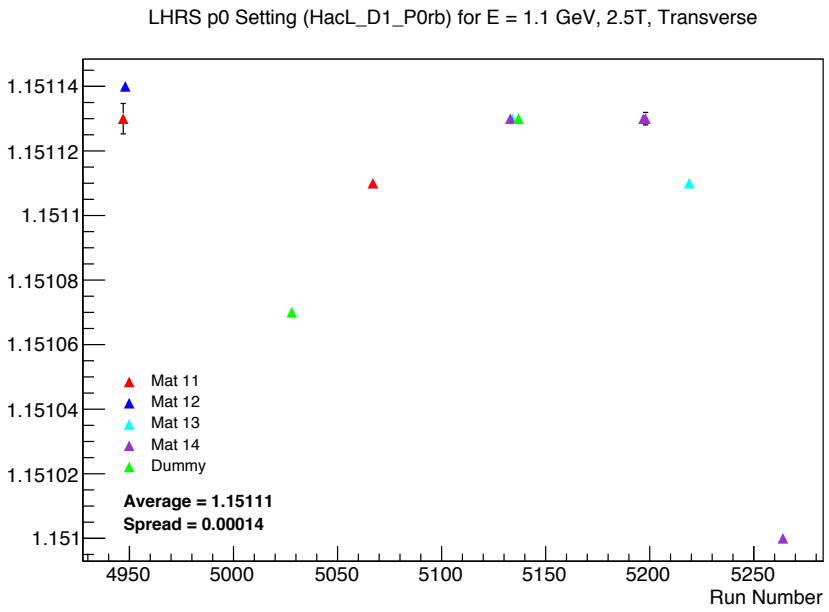


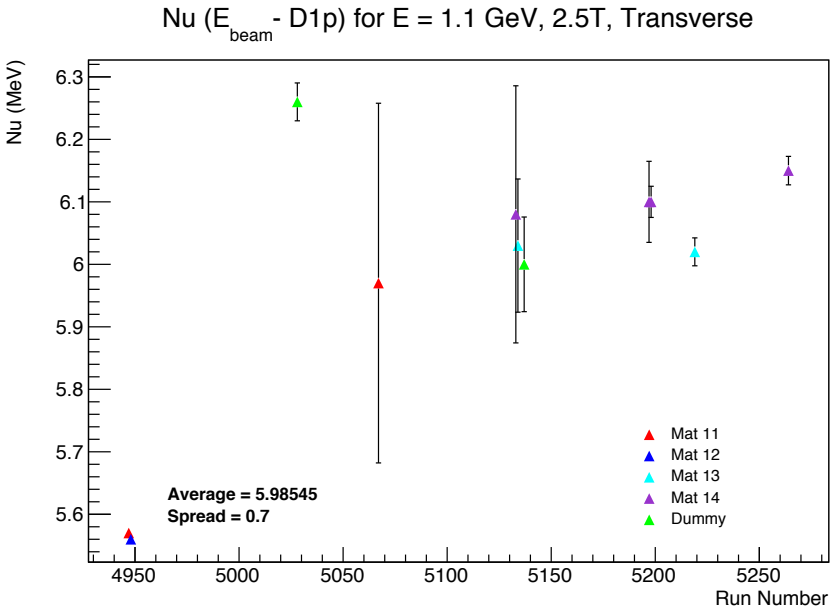
Run 5197 (14) doesn't have beam position information – neighboring runs are shown here.

BCM calibration is constant

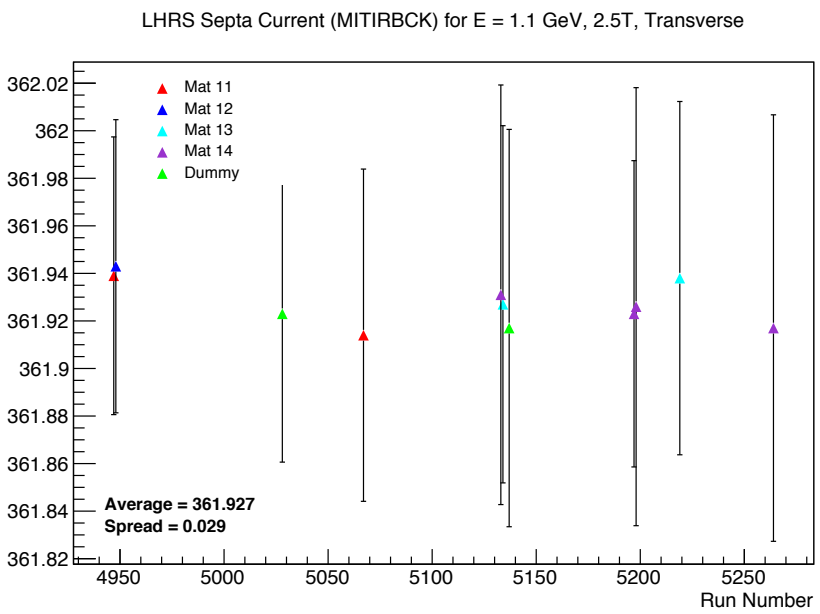
1.1 GeV, 2.5T, Transverse

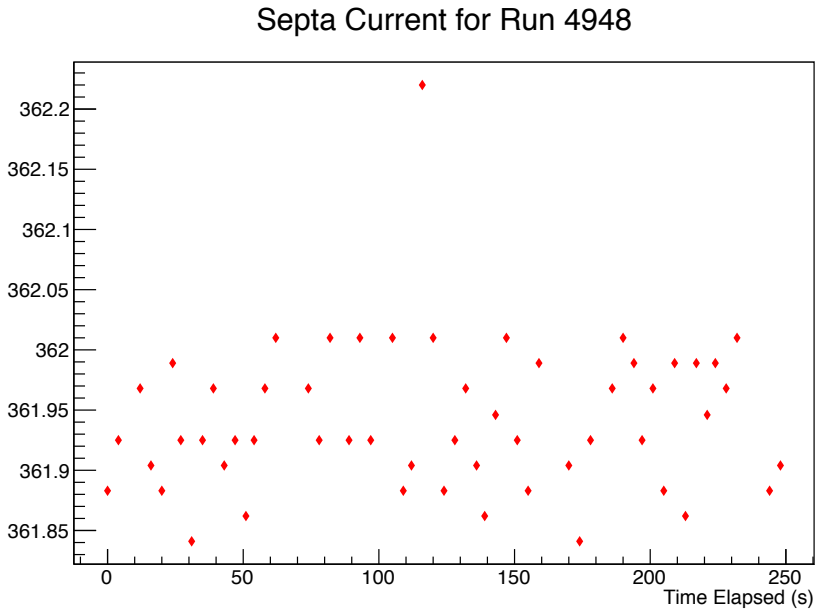




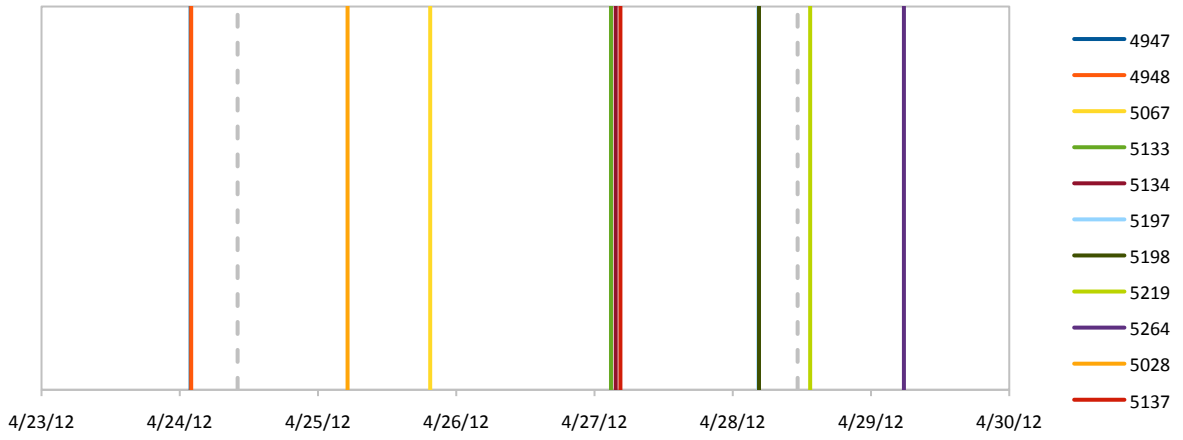


1.1 GeV, 2.5T, Transverse



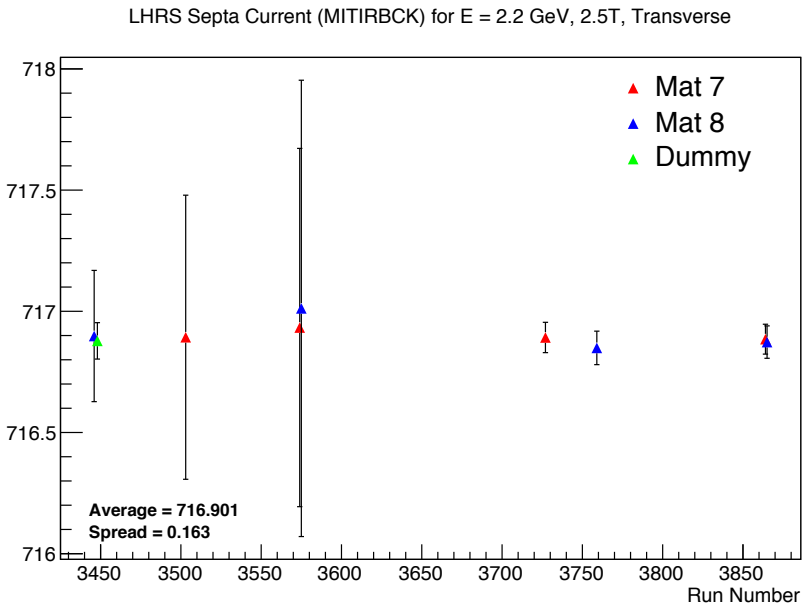


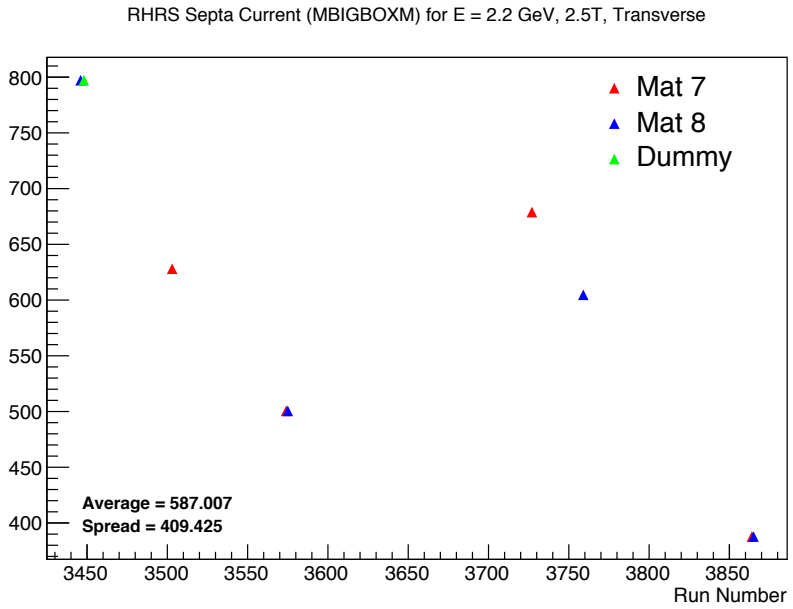
Anneals



Extra

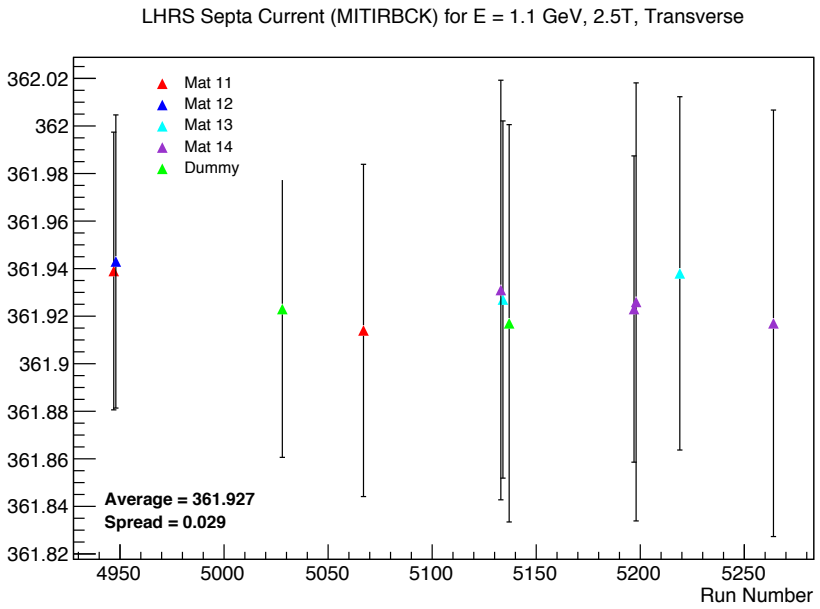
2.2 GeV, 2.5T, Transverse

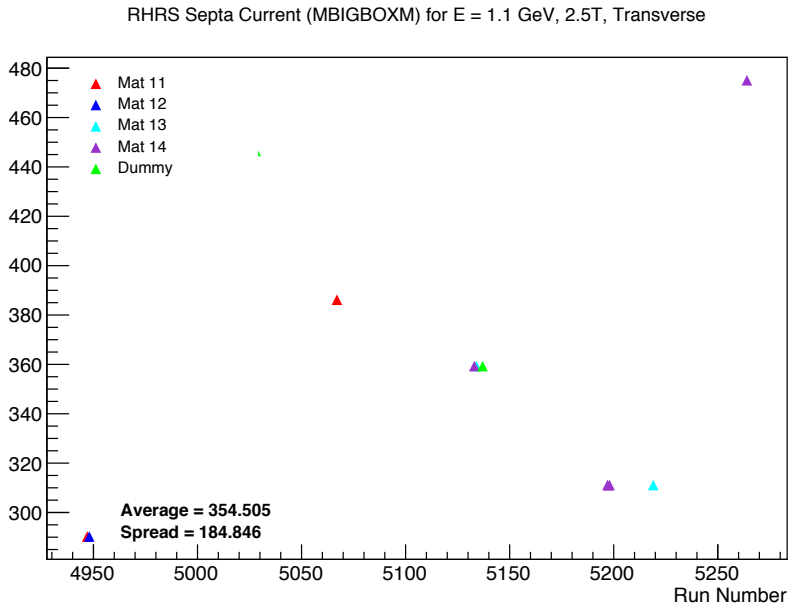




LHRS Run	RHRS p0 (GeV/c)
3446, 3448	2.228
3503	1.792
3574, 3475	1.341
3727	1.927
3759	1.859
3864, 3865	1.119

1.1 GeV, 2.5T, Transverse





LHRS Run	RHRS p0 (GeV/c)
4947, 4948	0.702
5028	1.081
5067	0.936
5133,5134, 5137	0.870
5197, 5198, 5219	0.752
5264	0.656