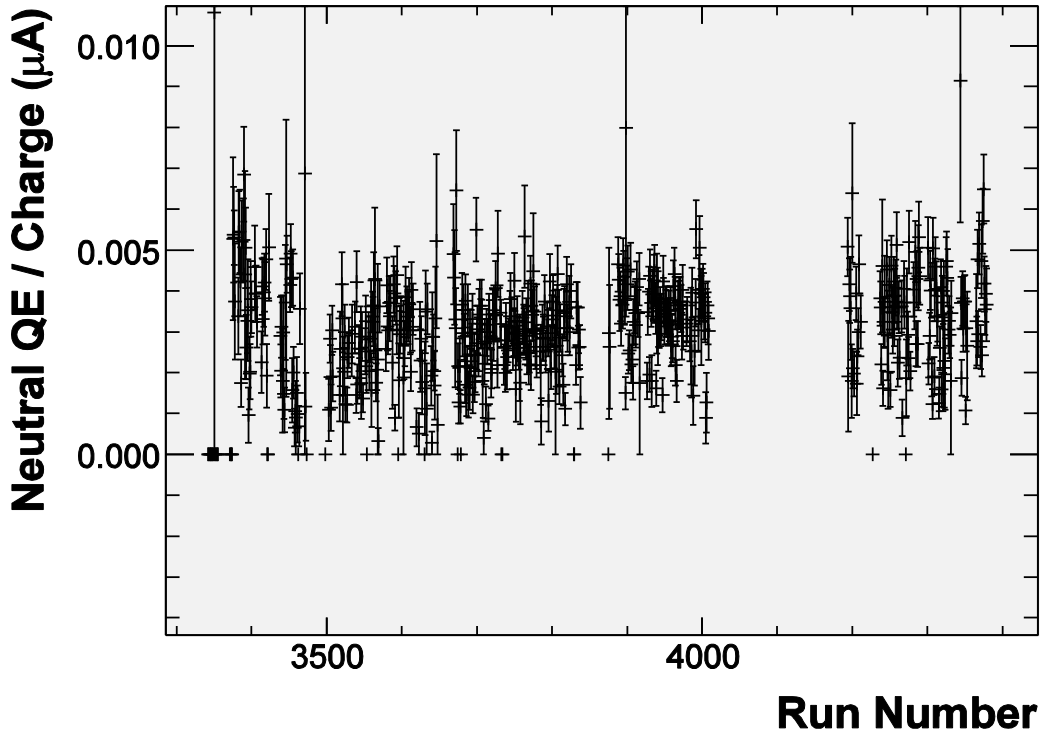
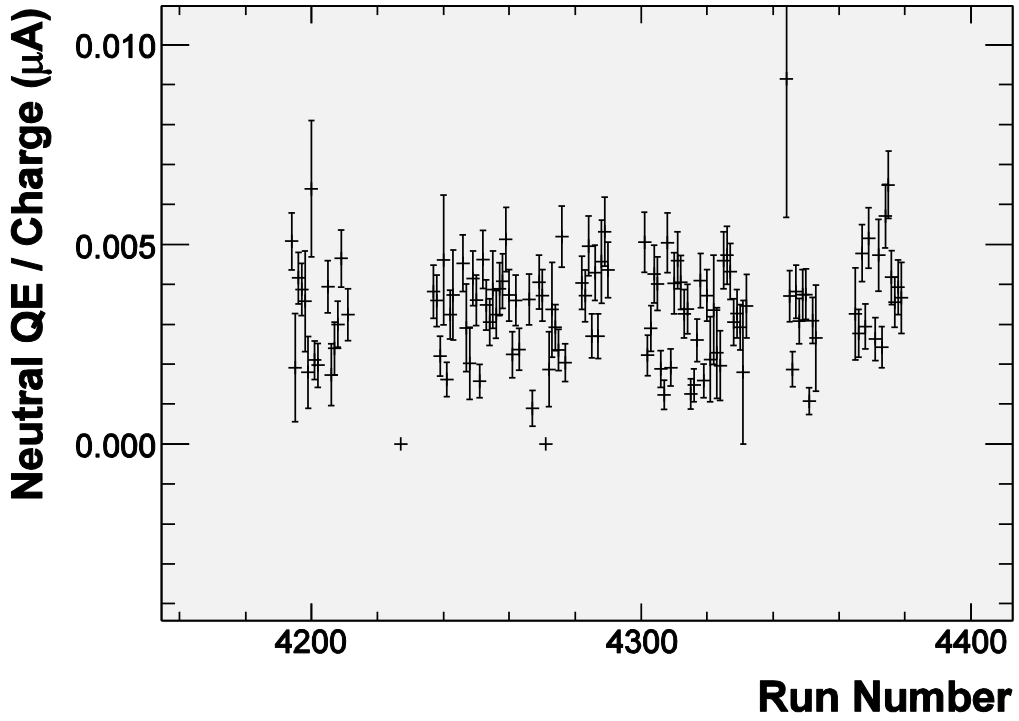
Kinematic 3 Results

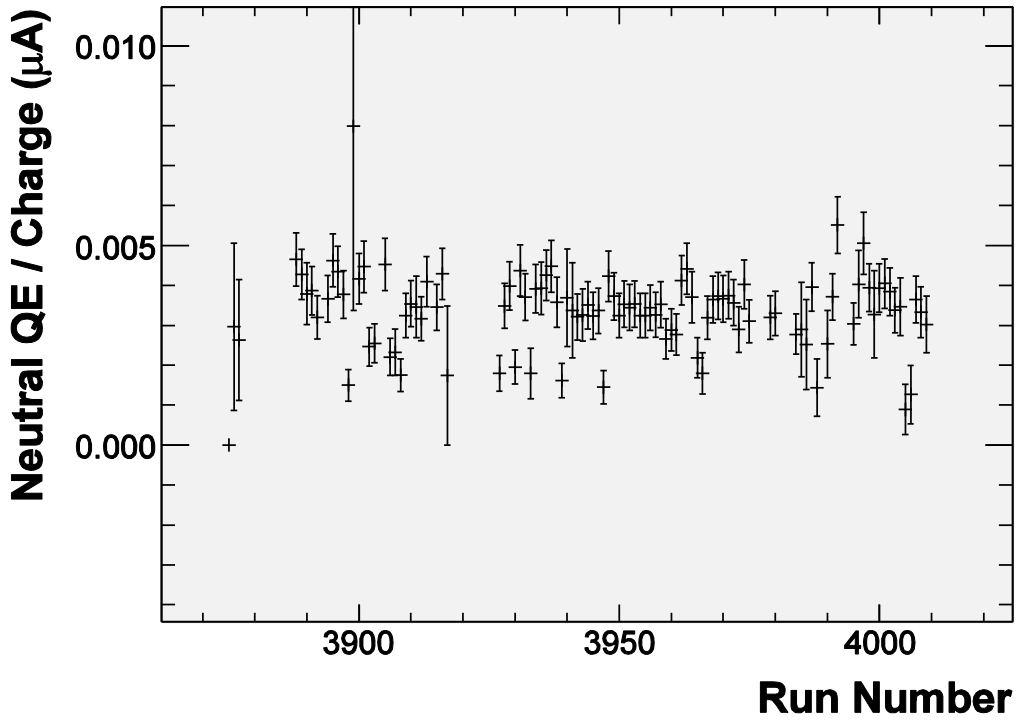
Tuesday, May 26, 2009
9:30 AM

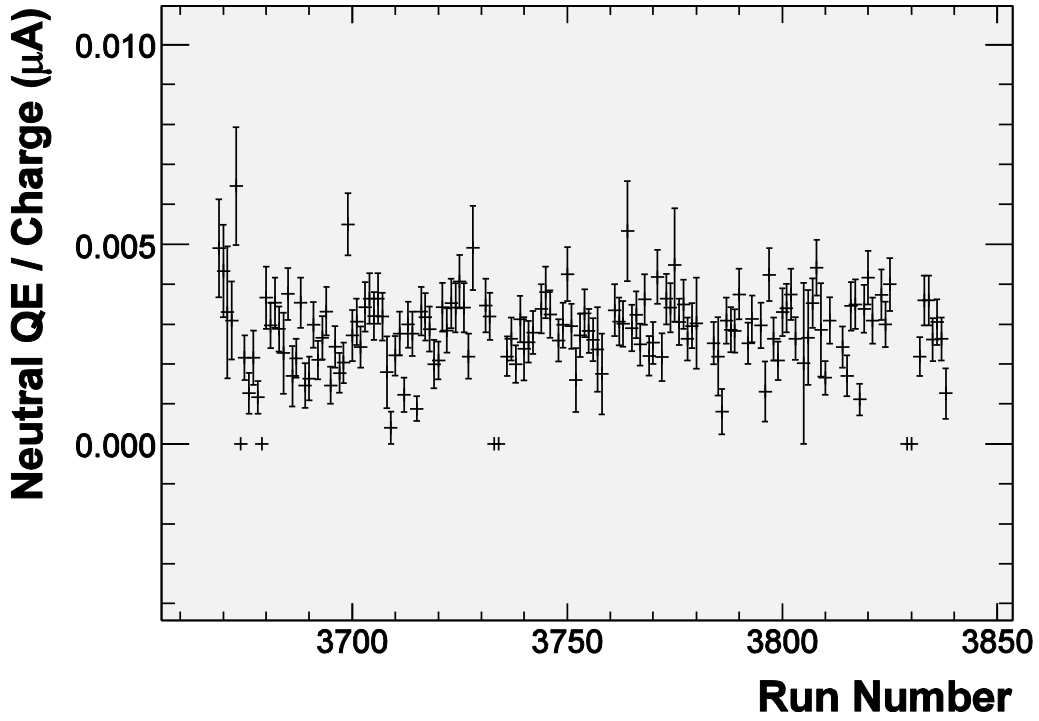
Note that the current is given rather than charge.

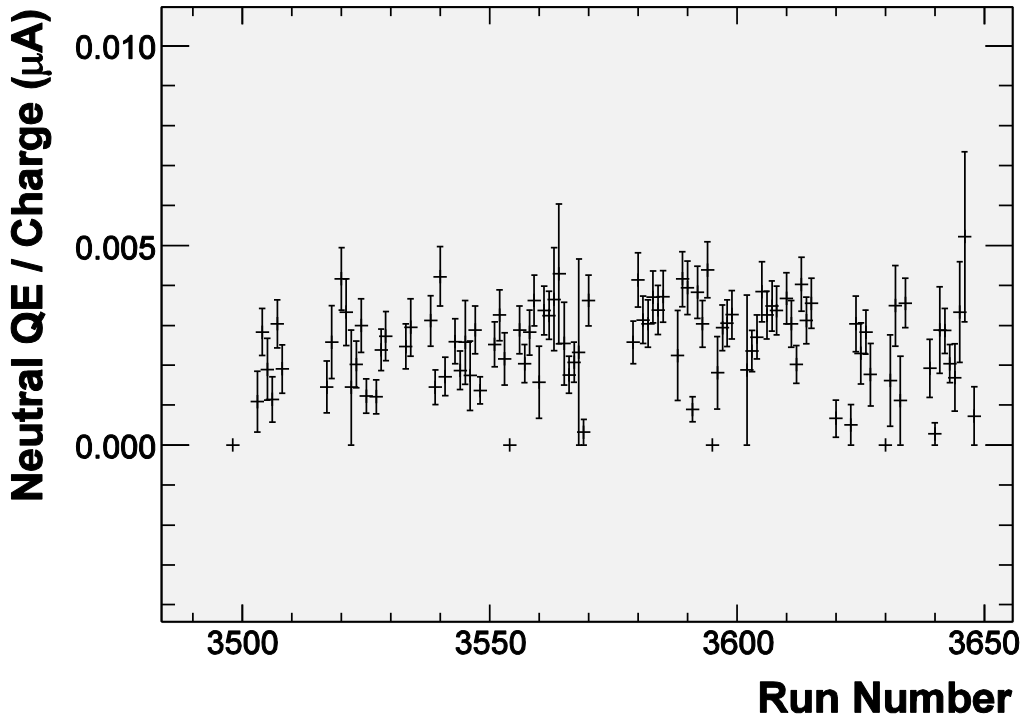


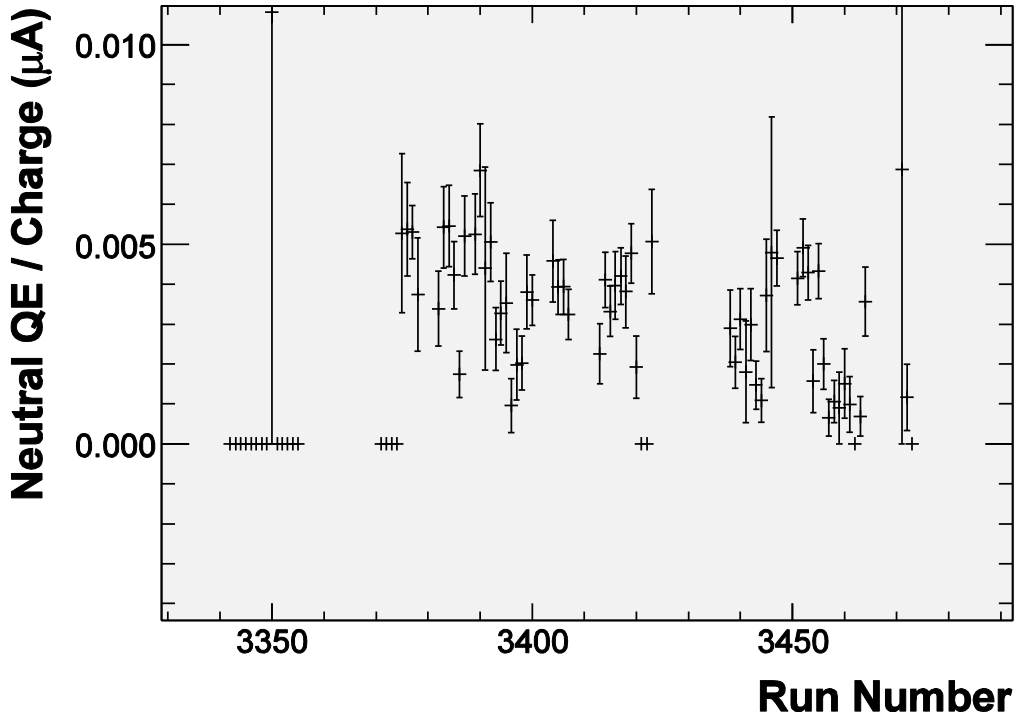
Complete neutral over charge.




Neutral QE / Charge (μA)
0.010
0.005
0.000
3900
3950
4000
Run Number


Neutral QE / Charge (μA)
0.010
0.005
0.000
3700
3750
3800
3850
Run Number





In the 3450s and 3460s, an effort was made to run as 9 uA instead of 7 uA. This led to increase tripping in the wire chambers.

All the 0 event runs had low charge, a few thousand or less rather than ~20k

Raw Asymmetry	-0.0391	(12257) 0.23	0.0090	0.0
Summed Asymmetry	-0.0811		0.0189	0.0034
Physical Asymmetry	-0.1632	0.23	0.0383	0.0242
Lambda	-0.2952		0.0607	0.0383

Gen	0.0166	0.21	0.0034	0.0022

R H2	0.0152	0.0019
R He3	0.0681	0.0017
R N2	0.1295	0.0287
Dilution	0.776	0.072
b	1.09	0.37

	Thesis	SQE Analysis	w/o SQE Analysis
neutrals	15325	12257	~14000
Protons*	~166k	179k	
Uknown		6k	

* Calculated for Thesis using 0.092 ratio for helium.

For the SQE analysis to have a 0.09 ratio, it would need to have ~150k protons.