

AnalysisMeeting081909

Jonathan Miller

Status

- Look at causes of Asymmetry change
 - Presented later
- Finish Chapter 4, work on Appendix A
 - Will be provided to group this week
- Profile functions for MC
 - Kin2b has been rerun, others will be today
- Pre-threshold change Calibration
 - Delayed

Asymmetry Change Results

- old qe = 24512 = -0.035414 +- 0.006387 (0.482293 , 0.517707)
- new qe = 22599 = -0.047273 +- 0.006653 (0.476363 , 0.523637)
- Agree = 16257 = -0.046811 +- 0.007843 (0.476595 , 0.523405)
- More Old = 8091
 - Charge ID changed = 1616 = -0.045792 +- 0.024876 (0.031457 , 0.034476)
 - W = 1186 = -0.023609 +- 0.029037 (0.023623 , 0.024765)
 - pm,perp = 288 = 0.041667 +- 0.058926 (0.006120 , 0.005630)
 - tof = 167 = -0.065868 +- 0.077382 (0.003182 , 0.003631)
 - mm = 691 = -0.024602 +- 0.038042 (0.013749 , 0.014443)
 - no match to compare = 207 = 0.091787 +- 0.069505 (0.004610 , 0.003835)
 - calculation failed = 0 = 0.000000 +- 223606.797750 (0.000000 , 0.000000)
 - x = 54 = 0.148148 +- 0.136083 (0.001265 , 0.000938)
 - y = 4074 = -0.000982 +- 0.015667 (0.083027 , 0.083191)
- More New = 6183
 - Charge ID changed = 1212 = -0.107261 +- 0.028724 (0.023947 , 0.029701)
 - W = 1034 = -0.038685 +- 0.031099 (0.021999 , 0.023769)
 - pm,perp = 223 = -0.031390 +- 0.066965 (0.004780 , 0.005090)
 - tof = 146 = 0.109589 +- 0.082761 (0.003585 , 0.002877)
 - mm = 796 = -0.002513 +- 0.035444 (0.017573 , 0.017661)
 - no match to compare = 770 = 0.000000 +- 0.036037 (0.017041 , 0.017041)
 - calculation failed = 0 = 0.000000 +- 223606.797750 (0.000000 , 0.000000)
 - x = 22 = -0.181818 +- 0.213201 (0.000398 , 0.000575)
 - y = 2126 = -0.063970 +- 0.021688 (0.044042 , 0.050062)
- old with flagged pse < 500 = 0
- In old not new = 229
- In new not old = 218

Details

Quantity	Number	Asymmetry	Neg	Pos
Old QE	24512	-0.0354 ± 0.0064	0.4823	0.5177
New QE	22599	-0.0473 ± 0.0067	0.4764	0.5236
Agree	16257	-0.0468 ± 0.0078	0.4766	0.5234
More Old	8091			
More New	6183			

Obviously the part of Old QE that doesn't agree with New QE has a very different asymmetry.

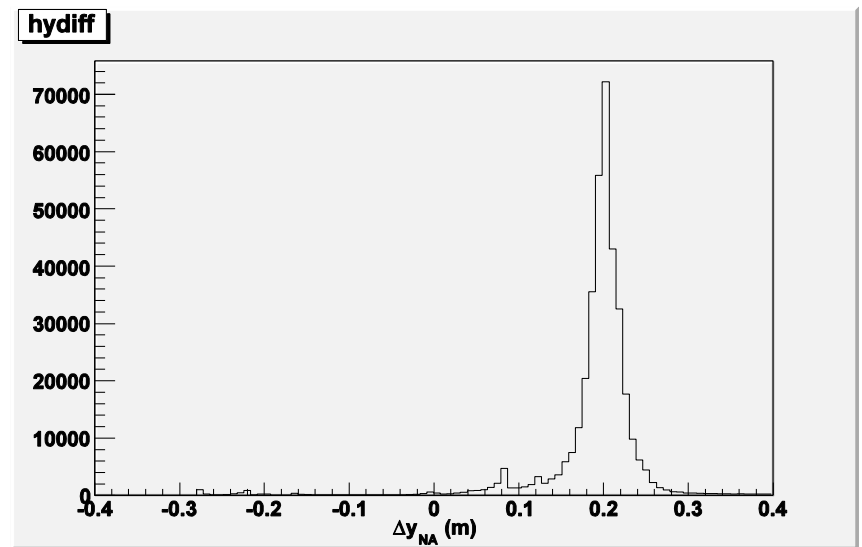
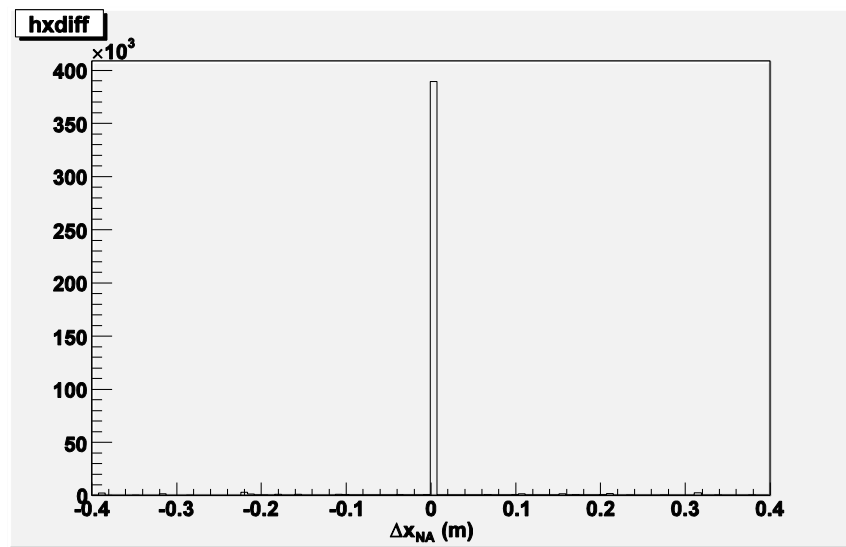
Details - Old

Quantity	Number	Asymmetry	Neg	Pos
Charged ID	1616	-0.0458 $\pm$ 0.0249	0.0315	0.0345
W	1186	-0.0346 $\pm$ 0.0290	0.0236	0.0248
q_{m,perp}	288	+0.0417 $\pm$ 0.0589	0.0061	0.0056
tof	167	-0.0659 $\pm$ 0.0774	0.0032	0.0036
Mm	691	-0.0256 $\pm$ 0.0380	0.0137	0.0144
No match	207	+0.0918 $\pm$ 0.0695	0.0046	0.0038
Calc failed	0	0	0	0
X	54	+0.1481 $\pm$ 0.1361	0.0013	0.0009
Y	4074	-0.0010 $\pm$ 0.0157	0.0830	0.0832

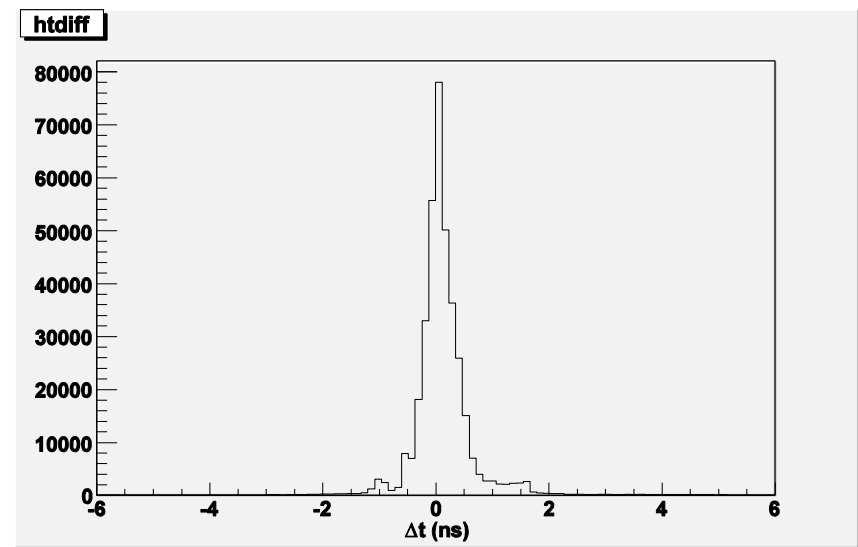
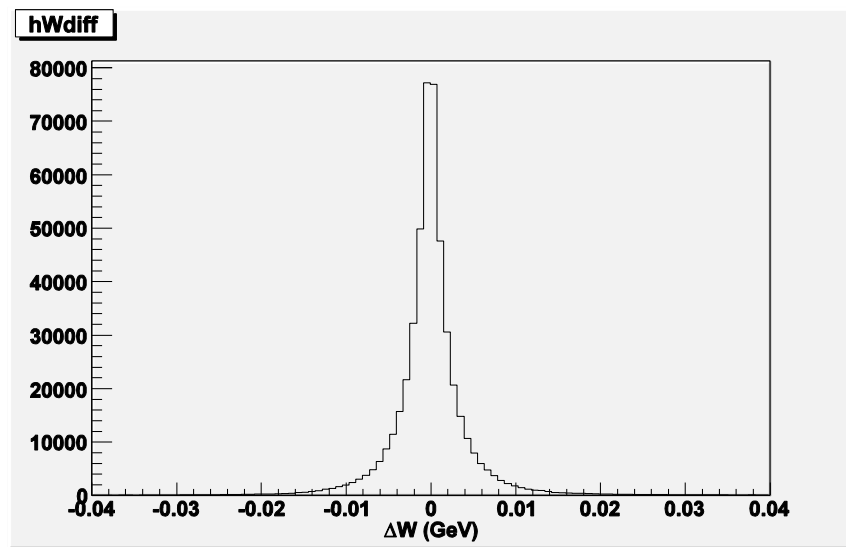
Details - New

Quantity	Number	Asymmetry	Neg	Pos
Charged ID	1212	-0.1073 $\pm$ 0.0287	0.0239	0.0297
W	1034	-0.0387 $\pm$ 0.0311	0.0220	0.0238
q_{m,perp}	223	-0.0314 $\pm$ 0.0670	0.0048	0.0051
tof	146	+0.1096 $\pm$ 0.0828	0.0036	0.0029
Mm	796	-0.0025 $\pm$ 0.0354	0.0176	0.0177
No match	770	+0.0000 $\pm$ 0.0360	0.0170	0.0170
Calc failed	0	0	0	0
X	22	-0.1818 $\pm$ 0.2132	0.0004	0.0006
Y	2126	-0.0640 $\pm$ 0.0217	0.0440	0.0501

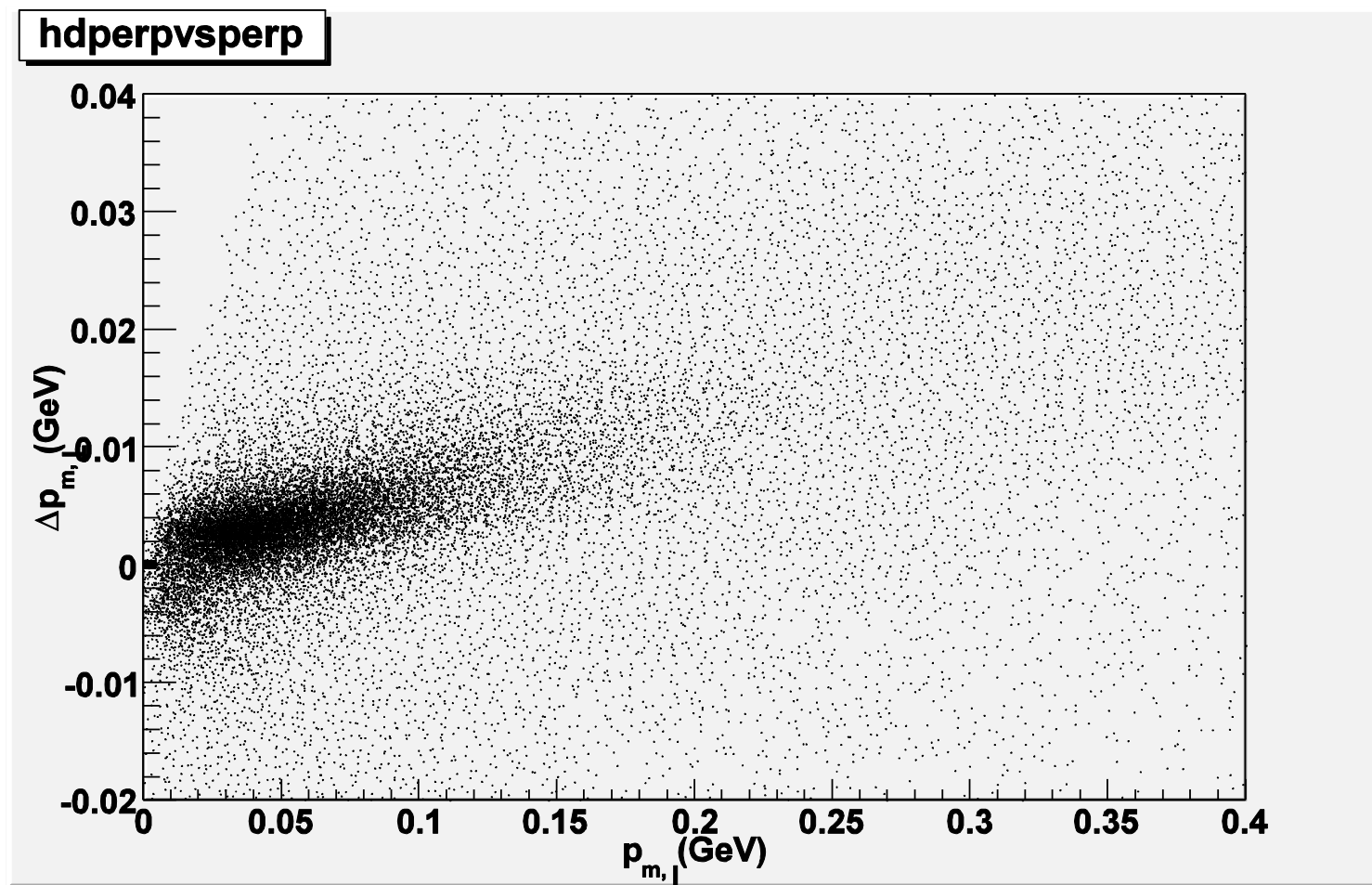
Plots



Plots



Plots



Plots

