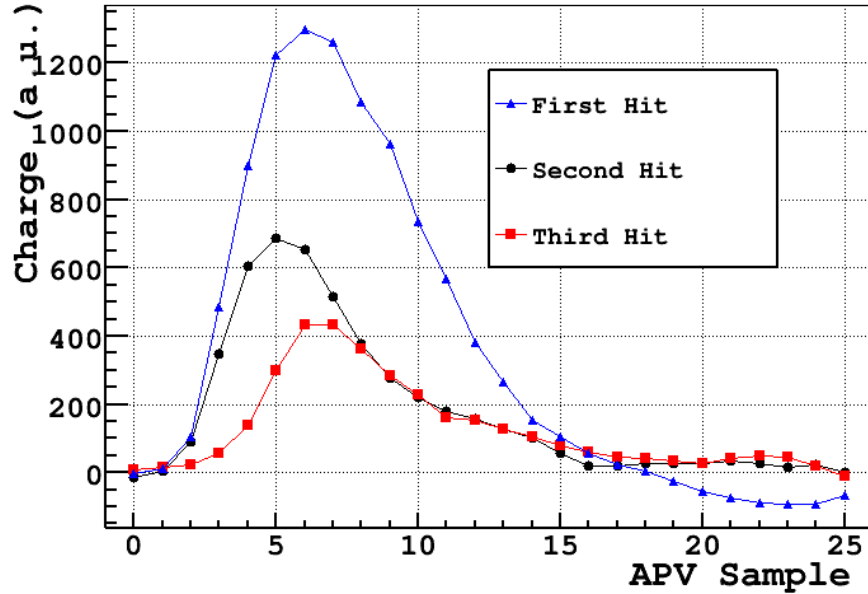


μ -RWELL READOUT in μ -TCP mode (I)

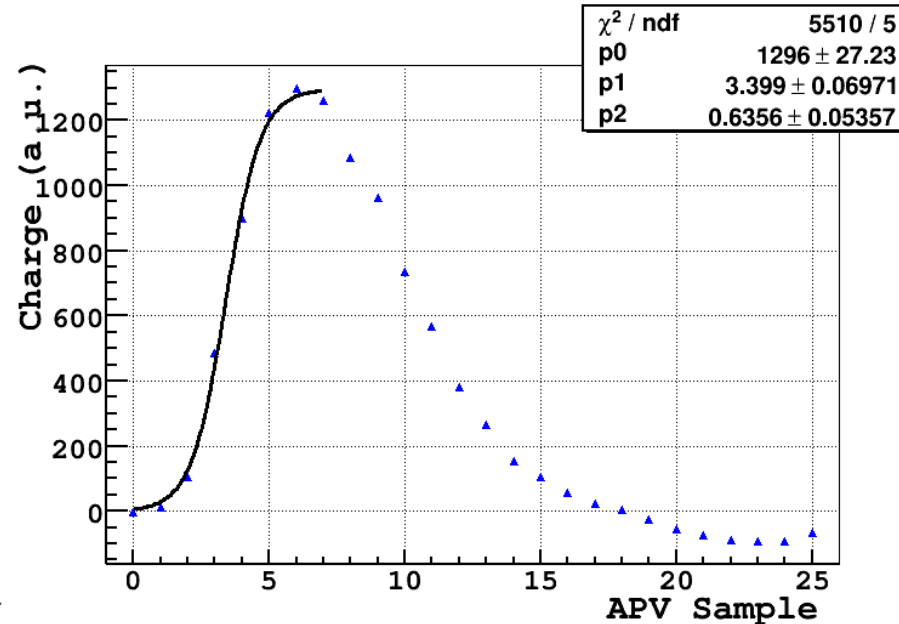
B = 1 T @ test beam 2014

1 Event readout with 3 Hits



Each Charge Distribution is fitted with a Fermi-Dirac:
p1 is the time at Half-Maximum of the Charge Distribution

$$FD(t) = \frac{p0}{1 + \exp \frac{-(t - p1)}{p2}}$$



μ -RWELL READOUT in μ -TCP mode (II)

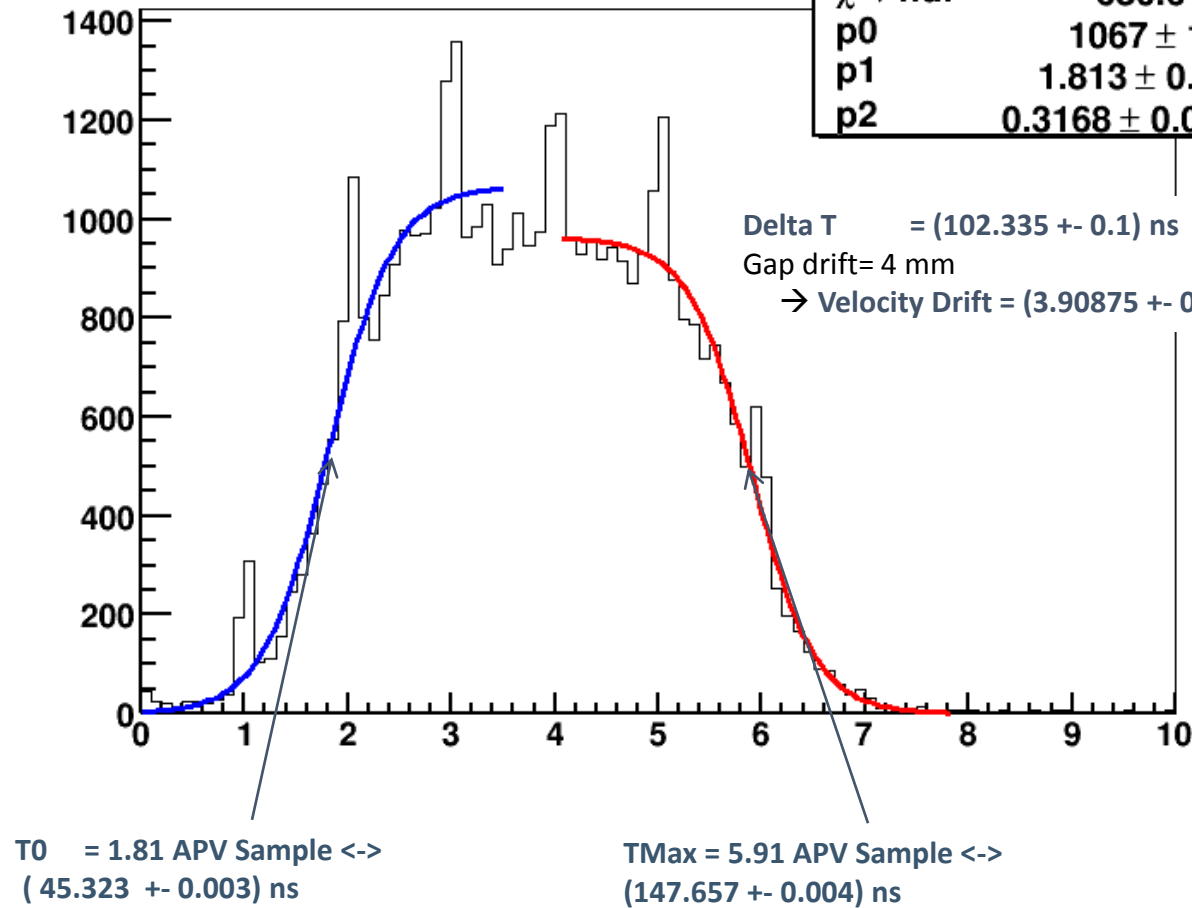
B = 1 T @ test beam 2014

The Fermi-Dirac's parameter p1 for all events

43562

χ^2 / ndf	680.6 / 32
p0	1067 ± 11.5
p1	1.813 ± 0.013
p2	0.3168 ± 0.0071

Gap drift= 4 mm



Garfield Simulation Velocity Drift =
(3.5+-0.1) cm/ μ s

Double Fermi-Dirac Fit

μ -RWELL READOUT in μ -TCP mode (III)

B = 1 T @ test beam 2014

