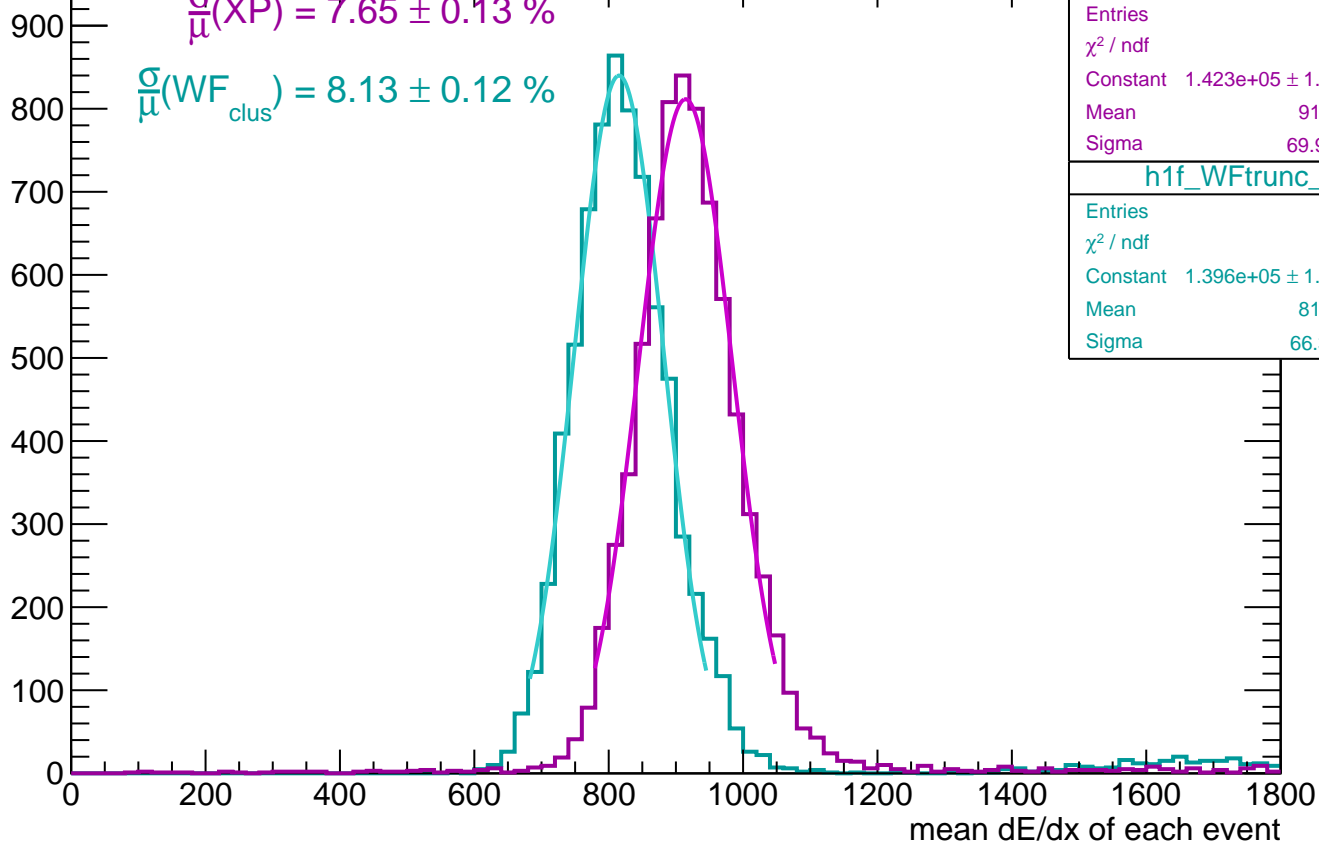# Mean dE/dx with electron_phi45_diag_zm40

$\frac{\sigma}{\mu}(XP) = 7.65 \pm 0.13\ \%$

$\frac{\sigma}{\mu}(WF_{clus}) = 8.13 \pm 0.12\ \%$

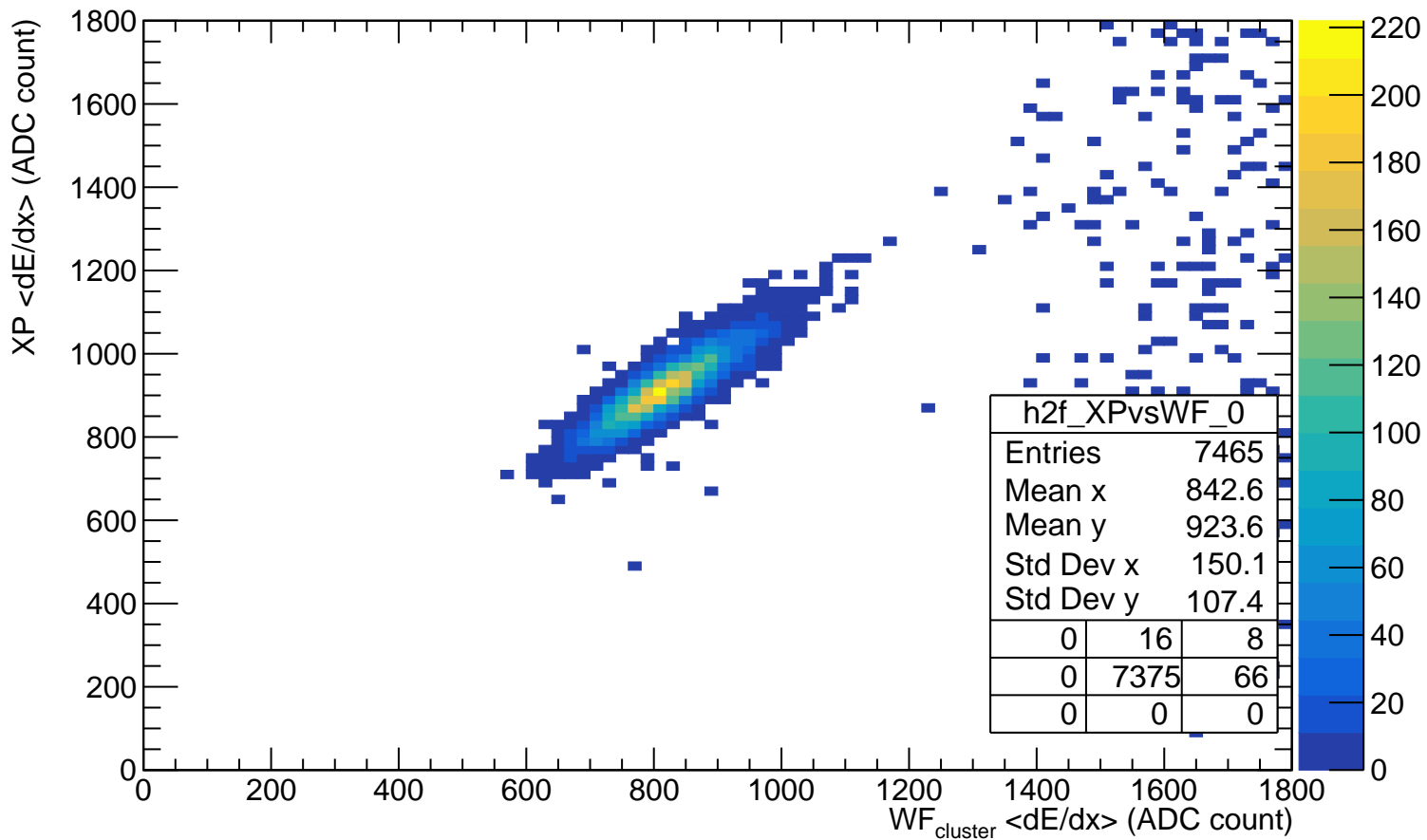| h1f_XP_0	
Entries	7465
χ^2 / ndf	14.1 / 10
Constant	$1.423e{+}05 \pm 1.852e{+}03$
Mean	914.3 ± 1.0
Sigma	69.94 ± 1.10

h1f_WFtrunc_0	
Entries	7465
χ^2 / ndf	18.6 / 10
Constant	$1.396e{+}05 \pm 1.779e{+}03$
Mean	815.3 ± 0.9
Sigma	66.31 ± 0.94

Counts

mean dE/dx of each event

XP vs WF$_{cluster}$ <dE/dx> (selected data, module 0)

h2f_XPvsWF_0	
Entries	7465
Mean x	842.6
Mean y	923.6
Std Dev x	150.1
Std Dev y	107.4

0	16	8
0	7375	66
0	0	0

XP <dE/dx> (ADC count)

WF$_{cluster}$ <dE/dx> (ADC count)

WF$_{not\ trunc}$ - WF$_{trunc}$ vs WF$_{not\ trunc}$ (module 0)

h2f_WFmWFvsWF_0	
Entries	7465
Mean x	1191
Mean y	372
Std Dev x	103.3
Std Dev y	56.71

0	261	132
0	6913	159
0	0	0

WF$_{not\ trunc}$ <dE/dx> (ADC count)