

# Mean dE/dx with electron\_phi20\_zm40

Counts

300  
250  
200  
150  
100  
50  
0

$$\frac{\sigma}{\mu}(\text{XP}) = 7.61 \pm 0.18 \%$$

$$\frac{\sigma}{\mu}(\text{WF}) = 7.50 \pm 0.19 \%$$

mean dE/dx of each event

h1f\_XP

Entries	2555
$\chi^2 / \text{ndf}$	4.202 / 11
Constant	$5.003\text{e}+04 \pm 1.042\text{e}+03$
Mean	$884.3 \pm 1.5$
Sigma	$67.27 \pm 1.46$

h1f\_WFsum

Entries	2555
$\chi^2 / \text{ndf}$	12.8 / 11
Constant	$5.017\text{e}+04 \pm 1.059\text{e}+03$
Mean	$928.7 \pm 1.7$
Sigma	$69.69 \pm 1.61$