

Time resolution

Entries

250
200
150
100
50
0

Double Gauss

- $\sigma_{\text{Single}} = 34.9 \pm 0.5 \text{ ps}$
- $\sigma_{\text{Comb}} = 29.2 \pm 1.1 \text{ ps}$
- $\sigma_{\text{Core}} = 24.4 \pm 0.7 \text{ ps}$
- $\sigma_{\text{Tail}} = 65.7 \pm 3.7 \text{ ps}$

h1

Entries	2801
Mean	0.000328
Std Dev	0.03488

Time difference: PICOSEC vs reference, ns

