

Time resolution

Entries

350
300
250
200
150
100
50
0

Double Gauss

- $\sigma_{\text{Single}} = 12.6 \pm 0.2 \text{ ps}$
- $\sigma_{\text{Comb}} = 12.1 \pm 0.5 \text{ ps}$
- $\sigma_{\text{Core}} = 11.6 \pm 0.3 \text{ ps}$
- $\sigma_{\text{Tail}} = 23.0 \pm 3.1 \text{ ps}$

Time difference: PICOSEC vs reference, ns

h1

Entries	2700
Mean	0.0001265
Std Dev	0.01255