

# Time resolution

Entries

400  
350  
300  
250  
200  
150  
100  
50  
0

## Double Gauss

- $\sigma_{\text{Single}} = 12.8 \pm 0.2 \text{ ps}$
- $\sigma_{\text{Comb}} = 12.5 \pm 0.3 \text{ ps}$
- $\sigma_{\text{Core}} = 12.3 \pm 0.2 \text{ ps}$
- $\sigma_{\text{Tail}} = 35.1 \pm 9.8 \text{ ps}$

h1

Entries	2796
Mean	-0.0003836
Std Dev	0.01272

Time difference: PICOSEC vs reference, ns

