

# Time resolution

Entries

200

180

160

140

120

100

80

60

40

20

0

## Double Gauss

$\sigma_{\text{Single}} = 20.6 \pm 0.3 \text{ ps}$

$\sigma_{\text{Comb}} = 18.8 \pm 1.0 \text{ ps}$

$\sigma_{\text{Core}} = 16.9 \pm 0.6 \text{ ps}$

$\sigma_{\text{Tail}} = 36.8 \pm 3.5 \text{ ps}$

h1

Entries 2118

Mean 0.0003935

Std Dev 0.02059

Time difference: PICOSEC vs reference, ns

