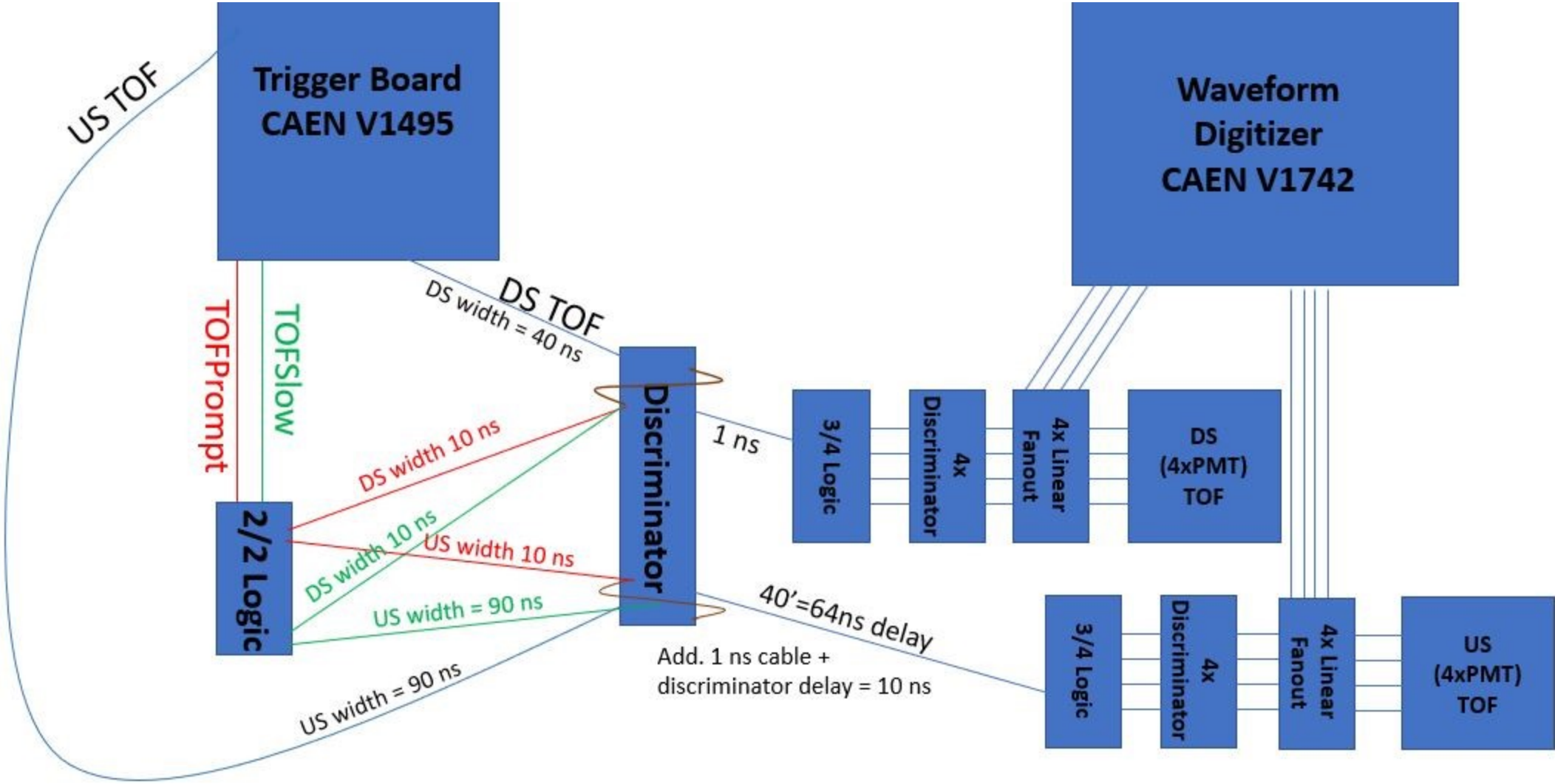
Trigger Board
CAEN V1495
Waveform
Digitizer
CAEN V1742
US TOF
DS TOF
DS width = 40 ns
TOFPrompt
TOFSlow
DS width 10 ns
DS width 10 ns
US width 10 ns
DS width = 90 ns
US width = 90 ns
2/2 Logic
Discriminator
1 ns
3/4 Logic
4x Discriminator
4x Linear Fanout
DS (4xPMT) TOF
40'=64ns delay
Add. 1 ns cable +
discriminator delay = 10 ns
3/4 Logic
4x Discriminator
4x Linear Fanout
US (4xPMT) TOF