NIM Crate #6 (DAQ) timing diagrams

S1

>25 ms (currently ~35−40 ms)

Beam trig   on 6.7
com. inhibit

"S1 strobe"
on 6.6.1

TIME
TDC start

"Clk"
on 6.6.2 in

T0

"Time0"
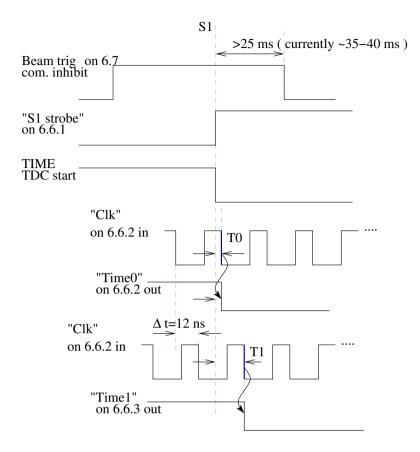on 6.6.2 out

"Clk"
on 6.6.2 in

Δ t=12 ns

T1

"Time1"
on 6.6.3 out

Time 0 = T0 + cable(10 ns)
Time 1 = T1 + cable (10 ns)
Time Start = 0 + cable (5 ns); T0−T1 offset = ~100 TDC counts