e^-

GG #8
GG #7
GG #6
GG #5
GG #4 - $t_A = 4000\,\text{ns}$
GG #3 - $t_A = 600\,\text{ns}$
GG #2 - $t_A = 10\,\text{ns}$
GG #1 - $t_A = 2000\,\text{ns}$
GG #0

FE FPGA

GG #8
GG #7
GG #6
GG #5
4 GG #4
GG #3
GG #2
2 GG #1
GG #0

Use counters

Trigger Board

GG #8
GG #7
GG #6
GG #5
GG #4
GG #3
GG #2
GG #1
GG #0

T = 8800 ns