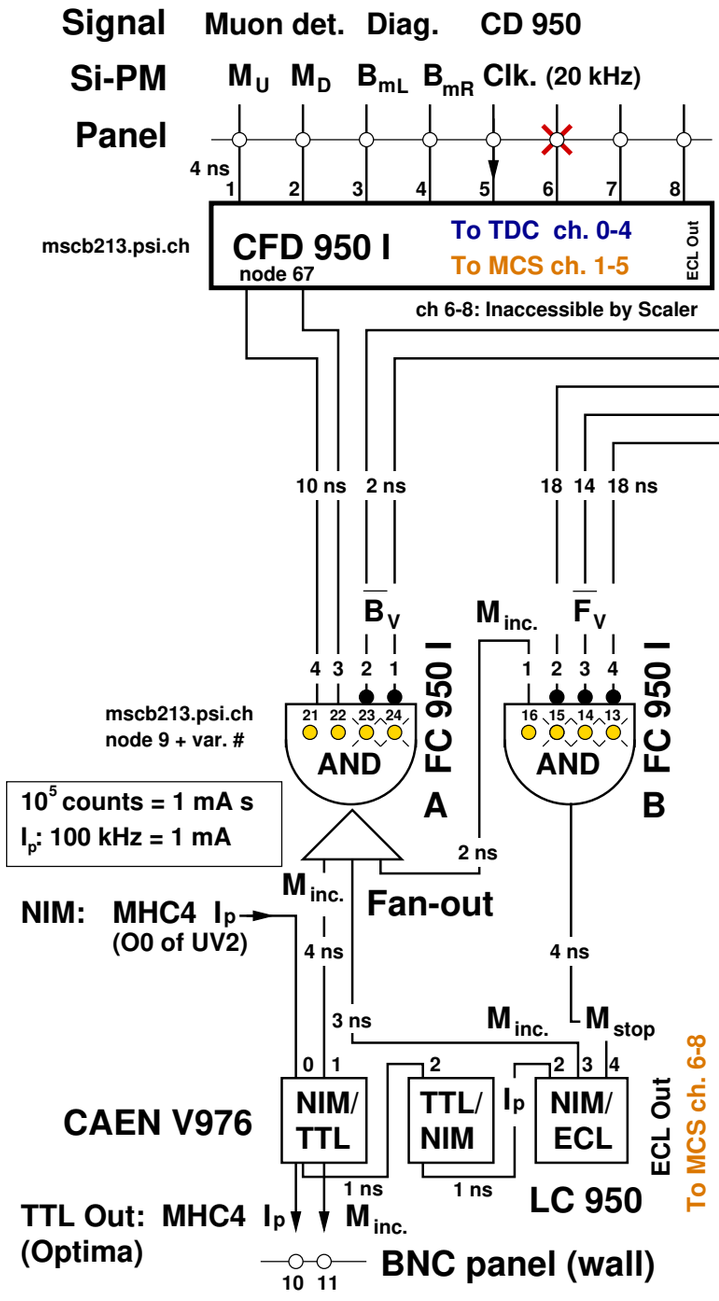
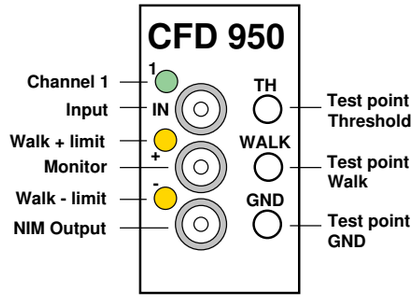


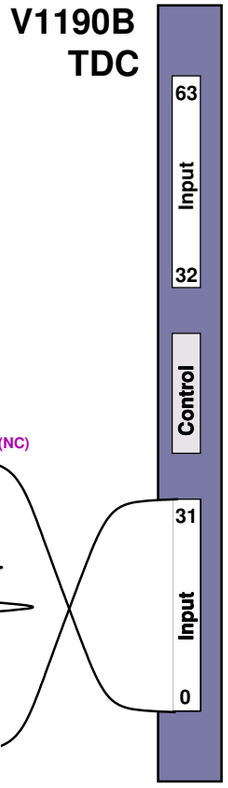
$$V = \begin{cases} B_V & \text{(No F-Veto)} \\ B_V + F_V & \text{(F-Veto)} \end{cases}$$

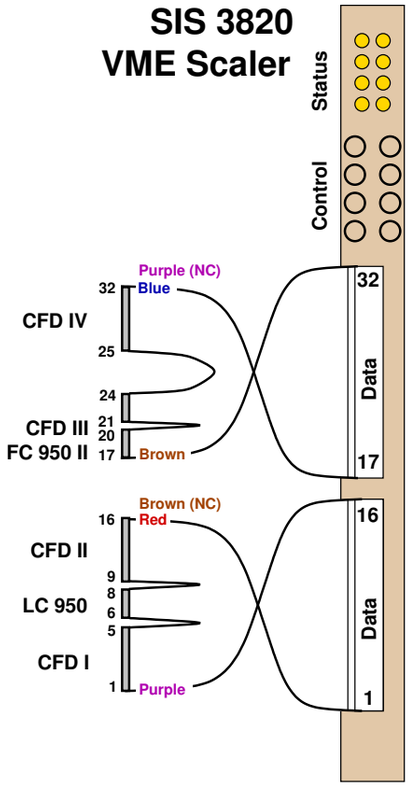
$M_{inc.} = M\ \overline{B}_V$

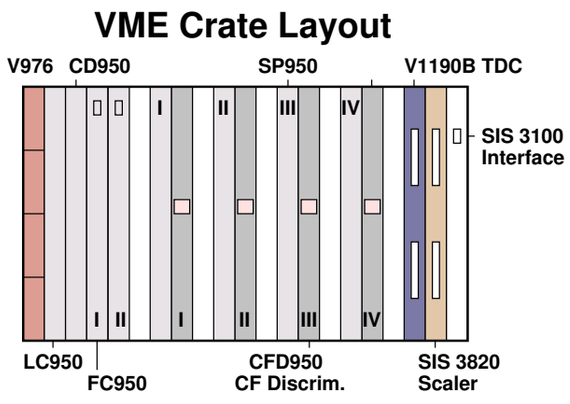
$M_{stop} = M\ \overline{V}$ Start TDC

$P_{event} = P\ \overline{V}$ Stop TDC









B_m = Beam monitor

F_V / B_V = Forw./Back. veto

VMS Instrument
Logic diagram with V1190B TDC

21.03.2026 : ST35 : detector_logic_TDC_v3.fig : ver. 3