

Location of FFD equipment in overpass of MPD

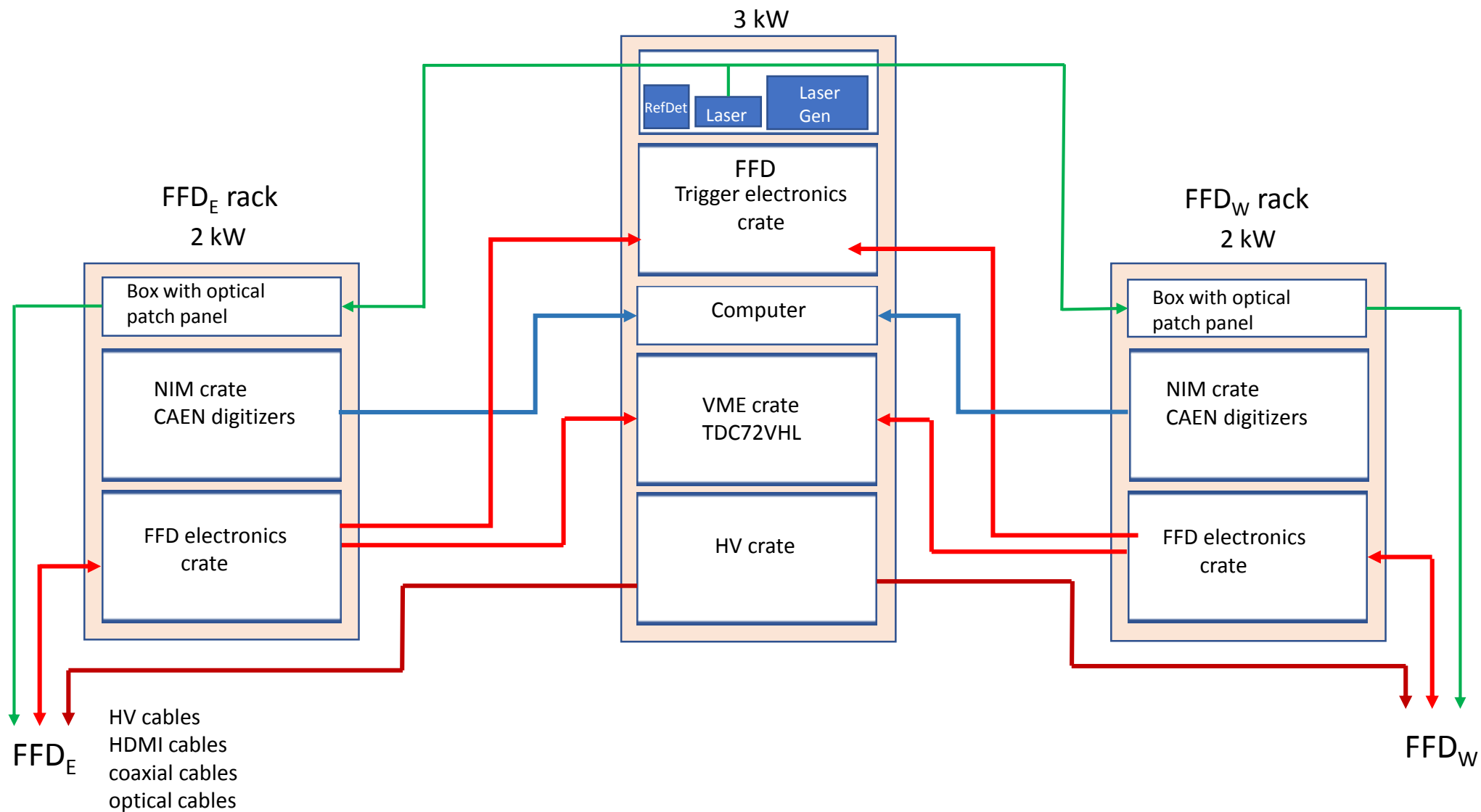
Vladimir Yurevich

The FFD must provide time resolution better than 50 ps

Requirement to the length of signal cables: the shortest as possible

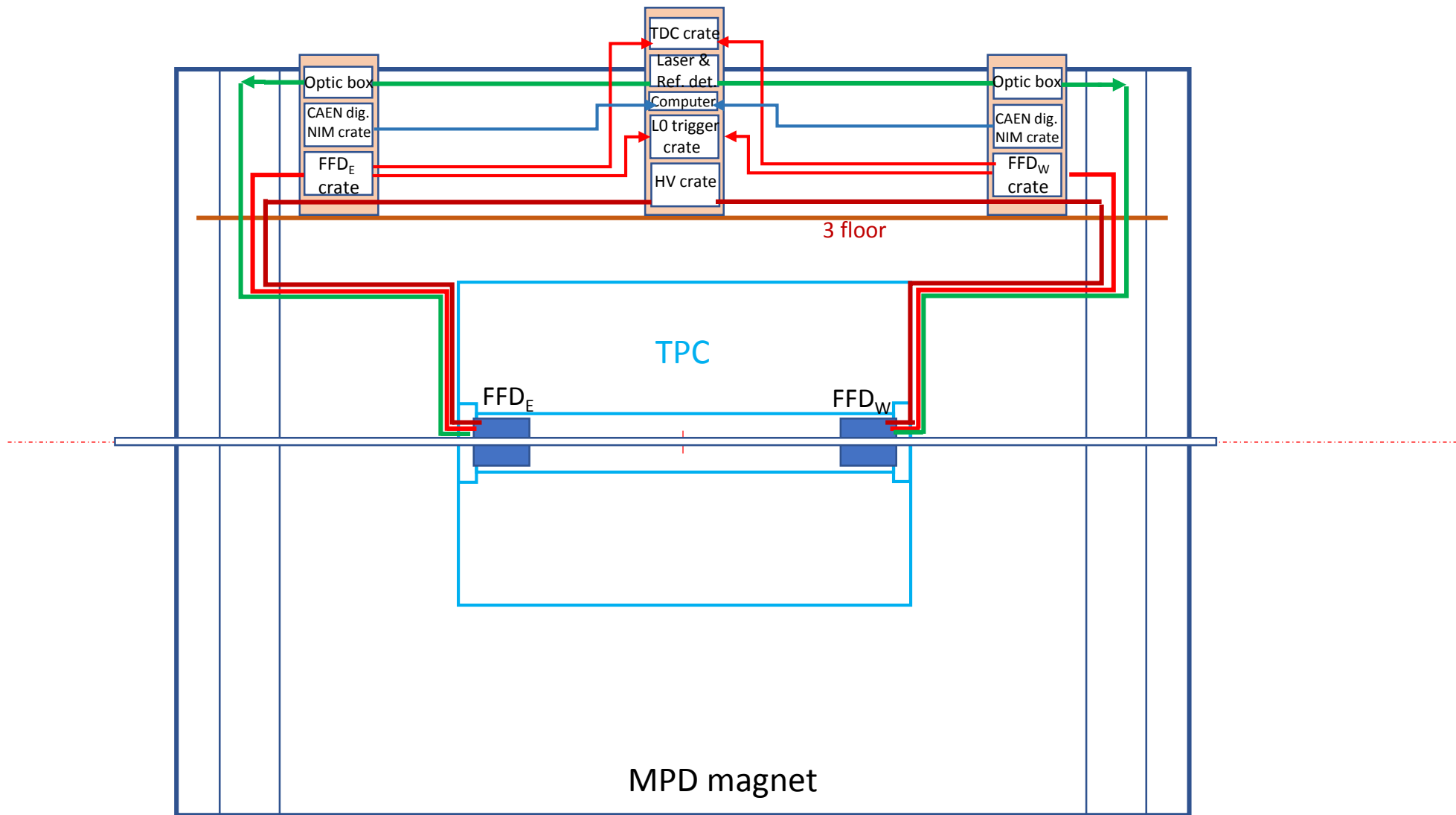
The problem to solve: how to realize this requirement

FFD electronics and equipment

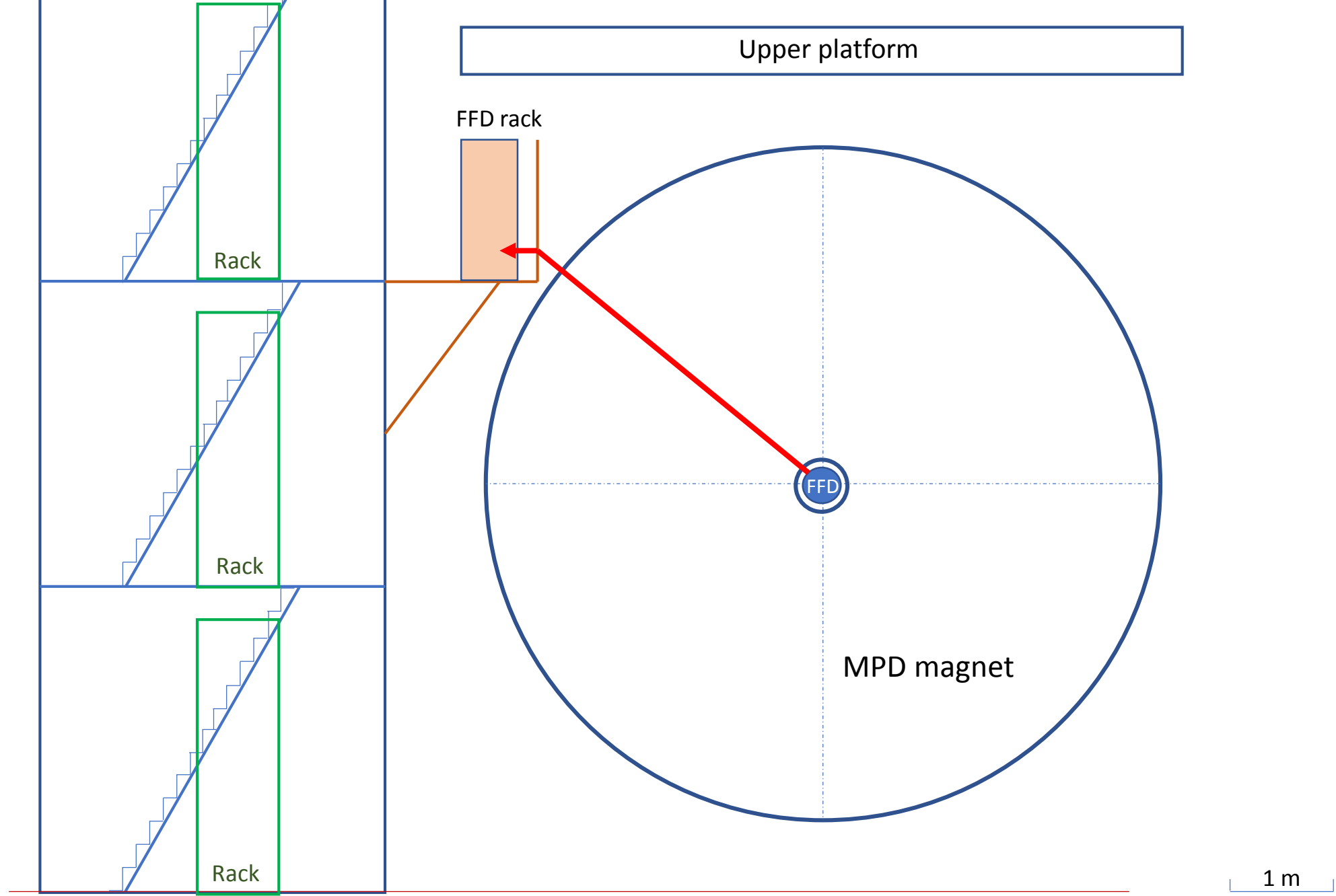


Cables of each FFD sub-detector
FFD modules – FFD electronics

Cable type	Number	L_{\max}
HV cables	20+2	-
HDMI cables (LVDS pulses + LV/FEE)	20+2	8 m
Coaxial cables (analog pulses)	100+5	10 m
Optical cables	20+5	10 m

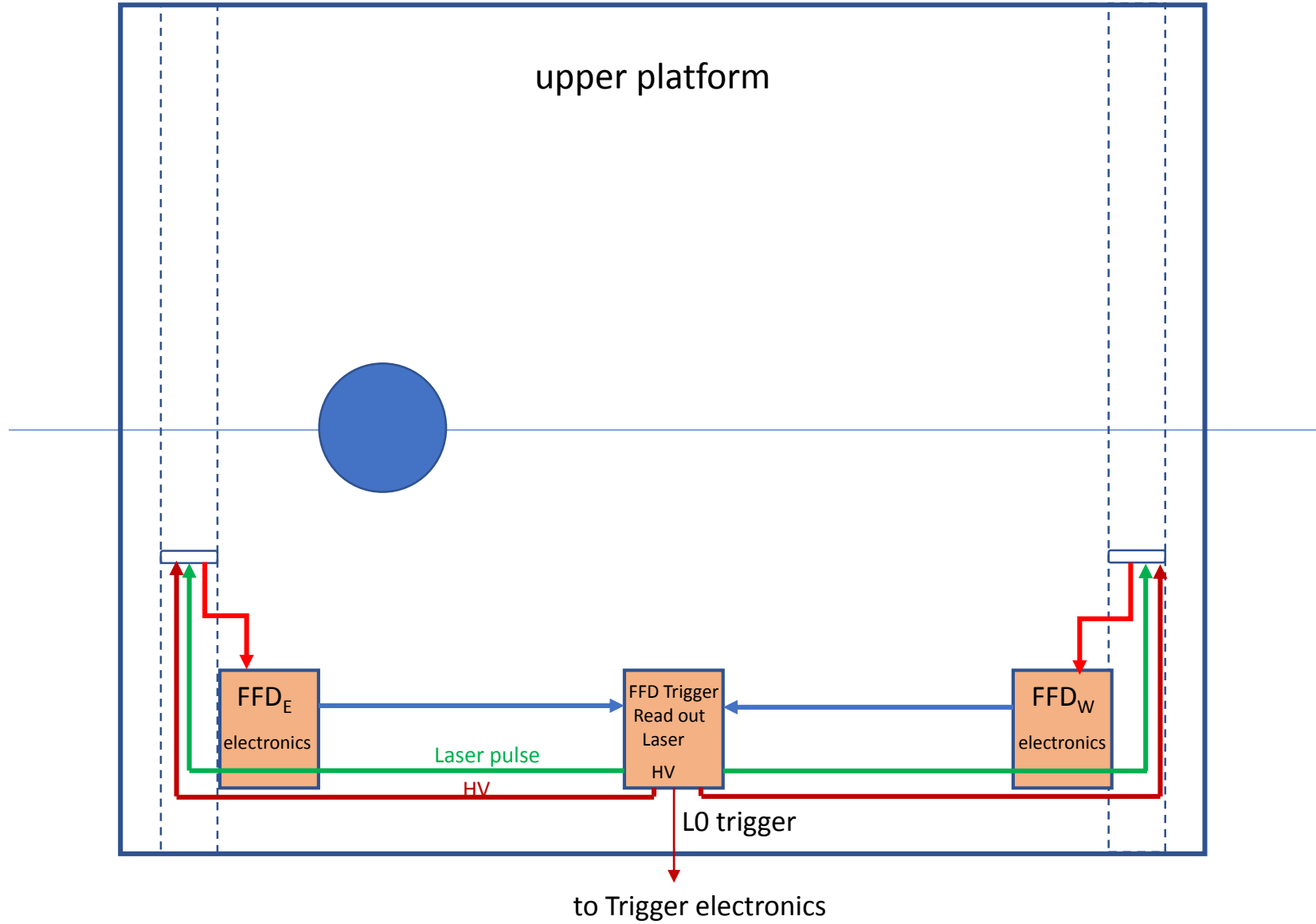


Option 1



1 m

Option 2



Option 3

