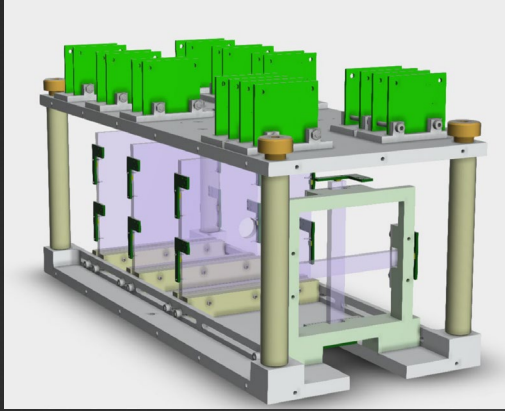


SPS - Trigger

FABIO

Main Trigger – PS INFN Bari trigger



S1 S2 «finger» scint. 10x1x0.5 cm
S0 «tile» scint 10x10x0.5 cm
Sh «tile with hole» 10x10x0.5cm Phi:2cm



CAEN DT5495

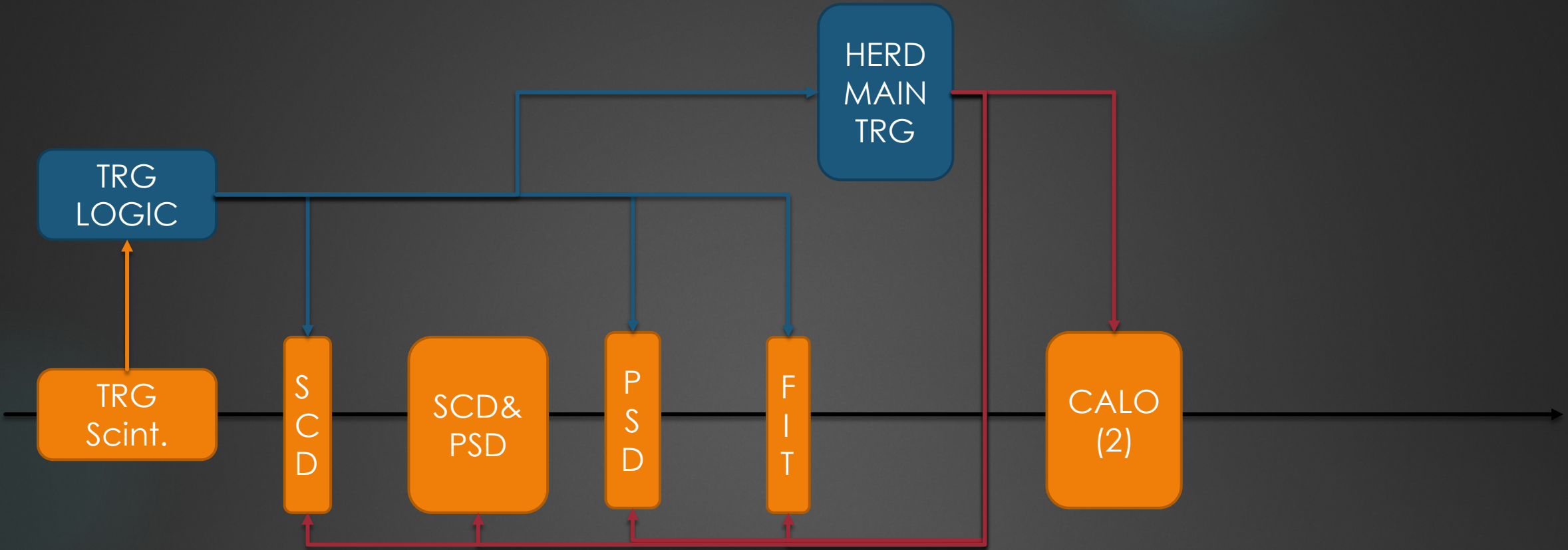
Provide N trigger output NIM/TTL logic
50ns after the particle with a jitter of 5ns

Could handle few Busy Signals (NIM/TTL) from sub-detectors

Could introduce a fixed dead time to take into account the dead time of subdetector that cannot provide a busy signal

Could receive an external main trigger and distribute to all other subdetectors

Send a "START" and a "STOP" command via TCP/IP to all sub-detectors DAQ Systems



- TTL
- ANALOG
- I2C

A fixed busy (3-5ms) will be set by the TRG LOGIC
 Let me know if some of the sub detector will provide a busy signal