

SoLID Test stand

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Goals of tests

- Calorimeter trigger logic and latency, maximum trigger rate
- FADC readout maximum speed
- APV25 maximum readout speed

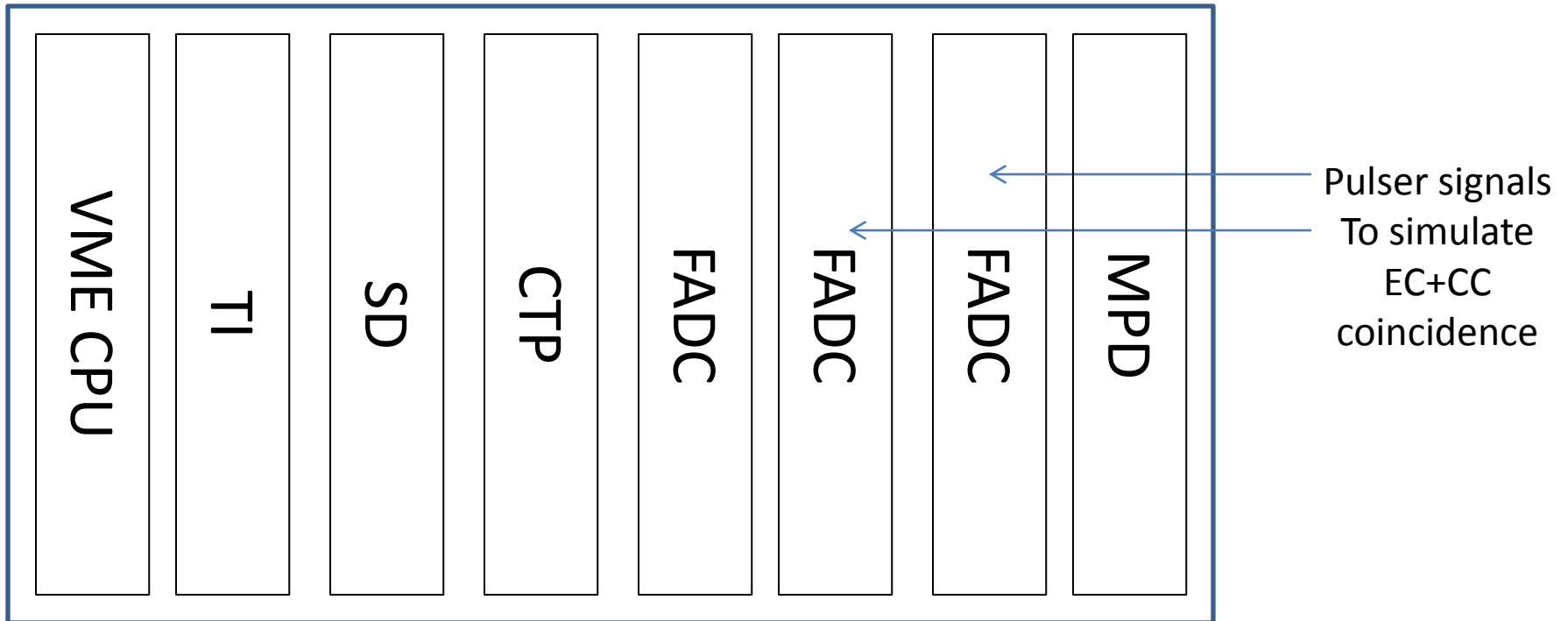
- Coincidence Cerenkov calorimeter
- SIDIS trigger and readout

Hardware available

- 2 VXS crates
- 4 FADC
- 1 SSP
- 2 intel CPU
- 1 TI
- 1 computer

- CTP coming

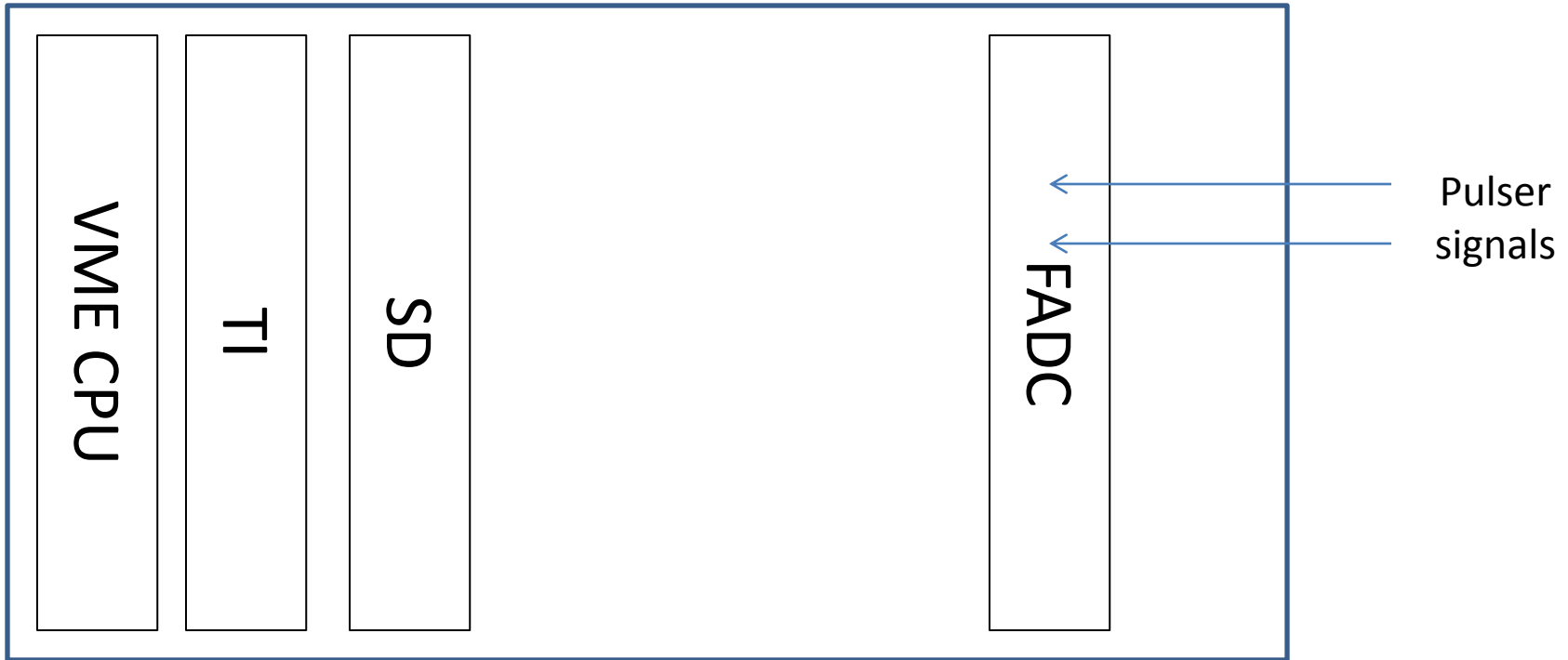
Calorimeter trigger tests



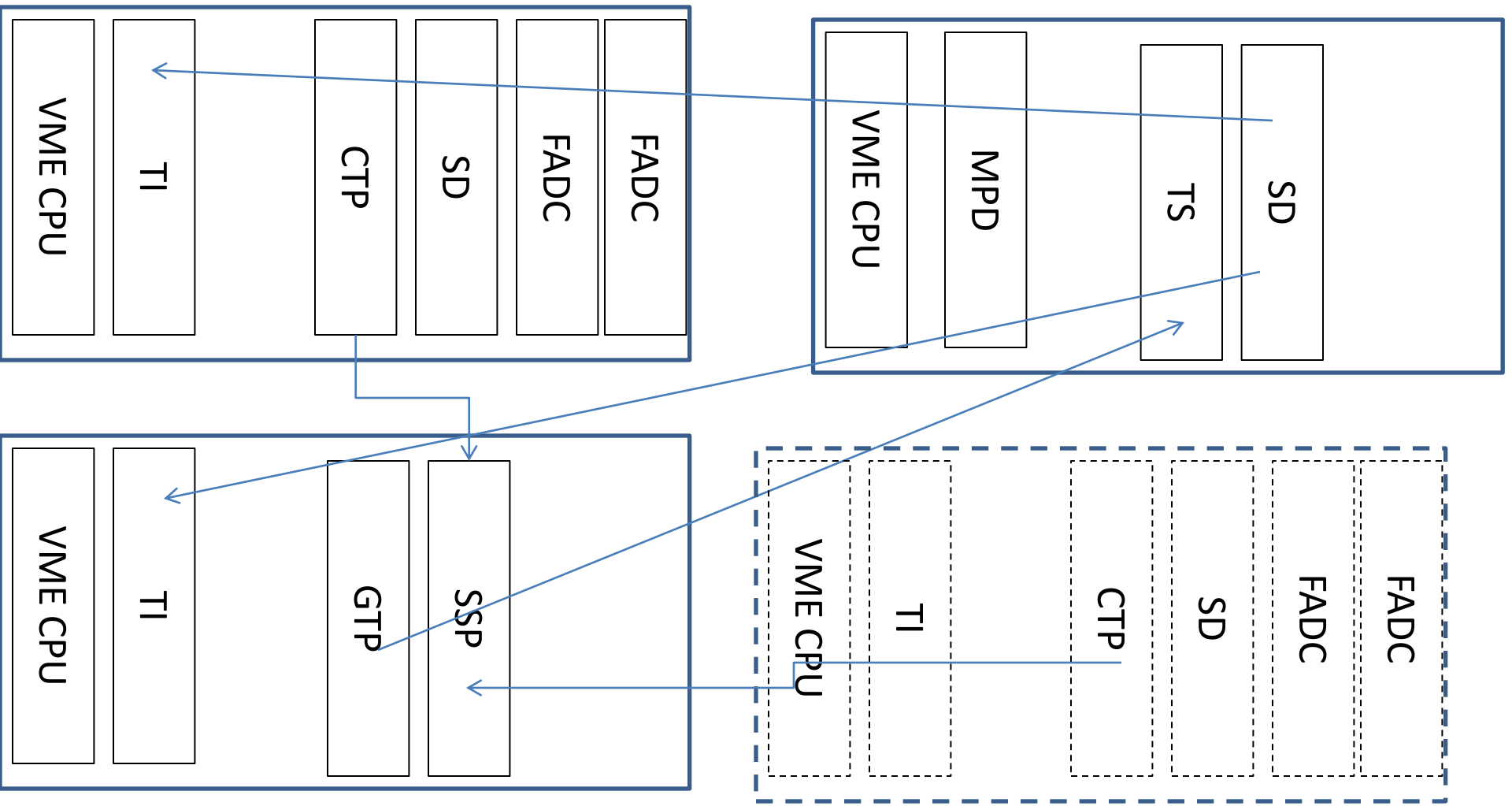
HPS firmware

If possible implement selective readout of FADC channels

Compton / FADC readout test



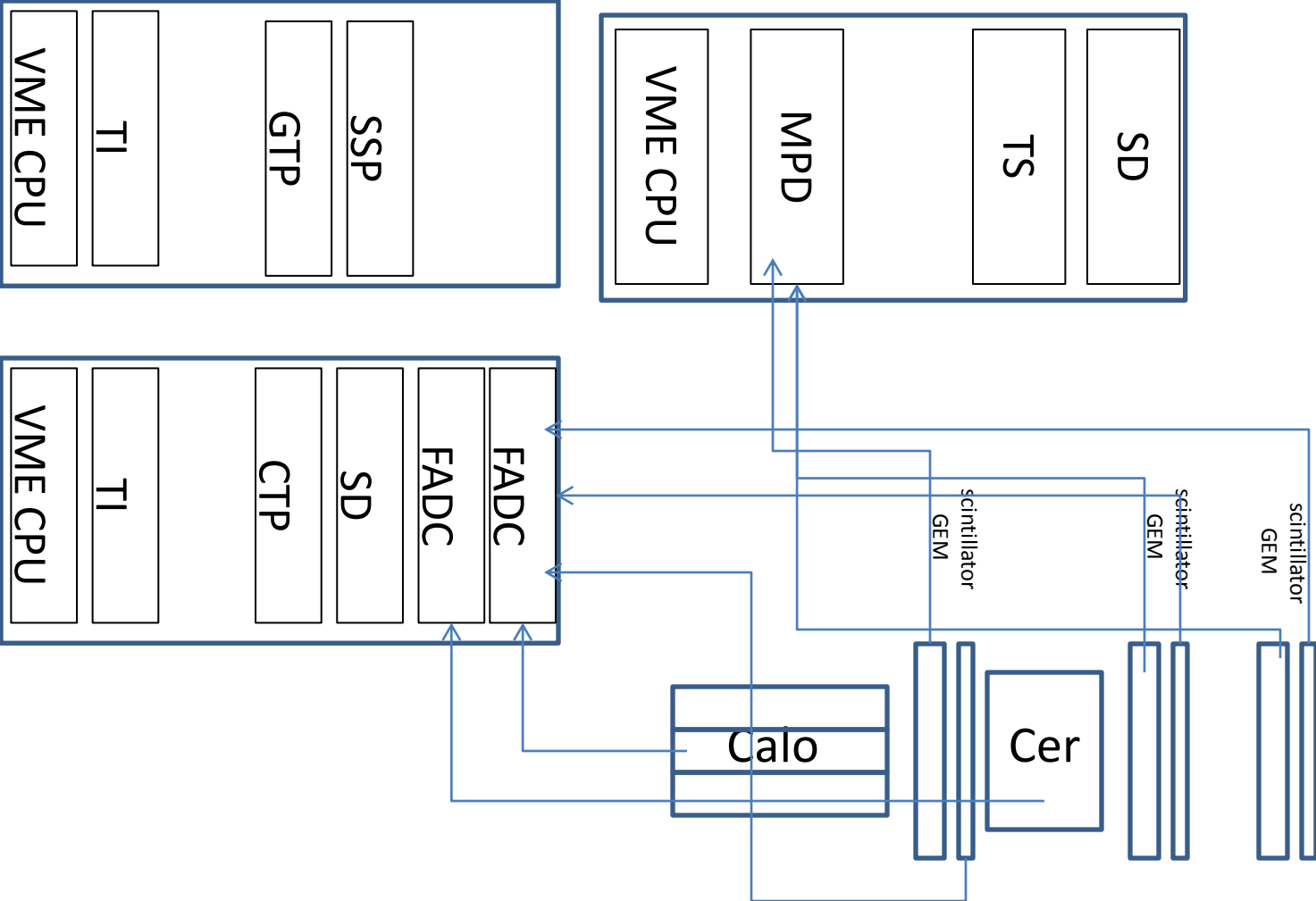
SIDIS trigger test



Additional hardware request

- Should
 - 1 GTP
 - L3 computer
 - TS
 - 4 SD
 - 1 TI
 - 1 CTP
- 41 K\$
- Like
 - 1 VXS crate
 - 1 CTP
 - More FADC

Beam test run



Detector testing

- Can do same tests with calorimeter and cerenkov detector
 - Cosmics
 - LED
- Useful to check trigger response to real signal from calorimeter and cerenkov
- Could plan for test run next year with beam