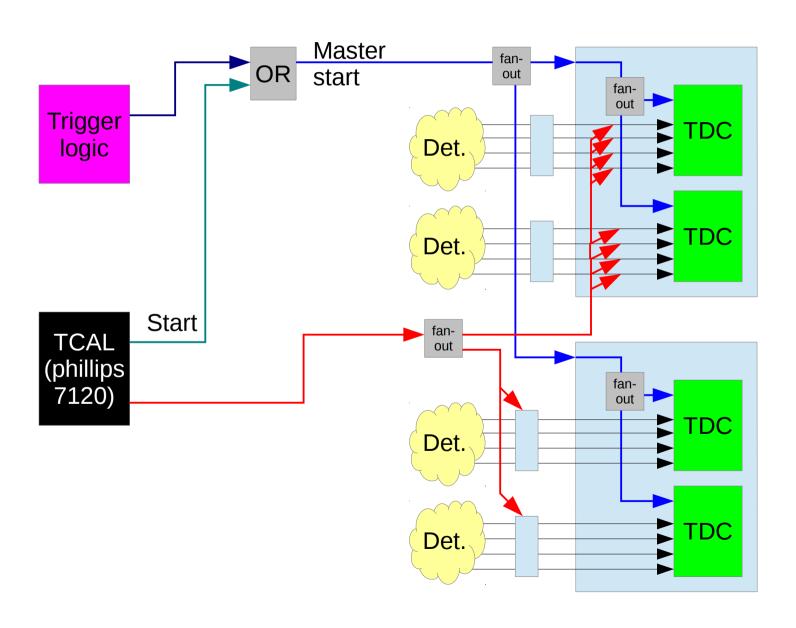
# on Master start timing jitter

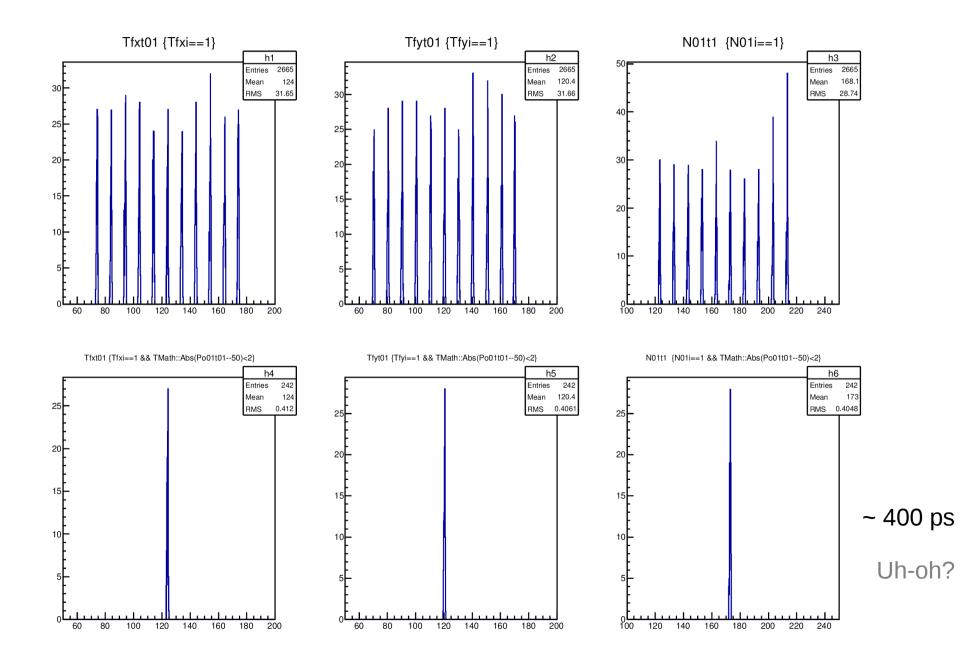
Just some remarks, which may be useful to consider when planning...

Håkan

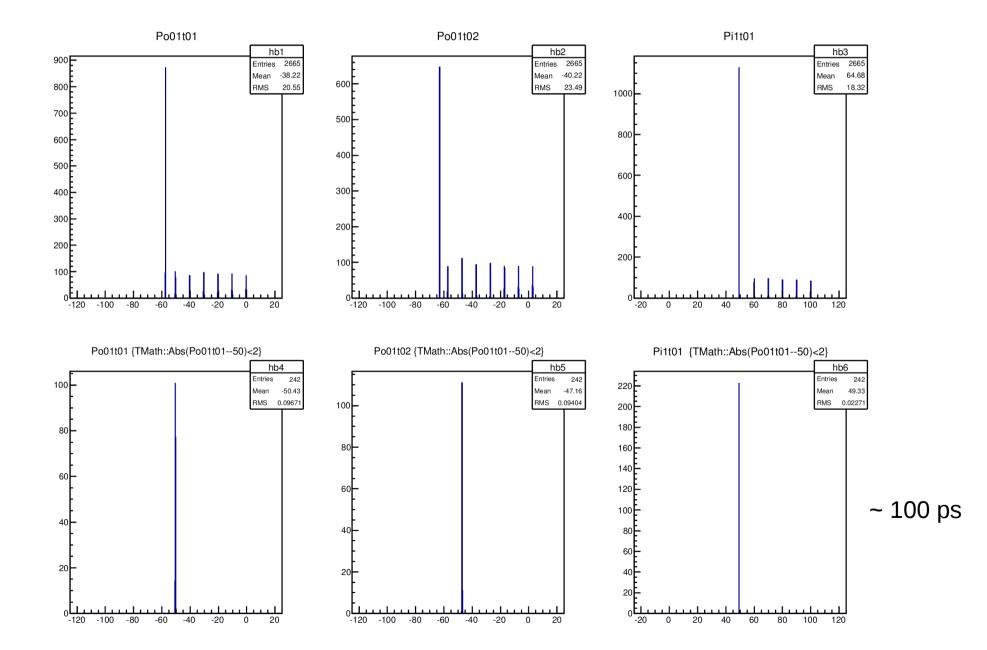
## Master start & TCAL distribution



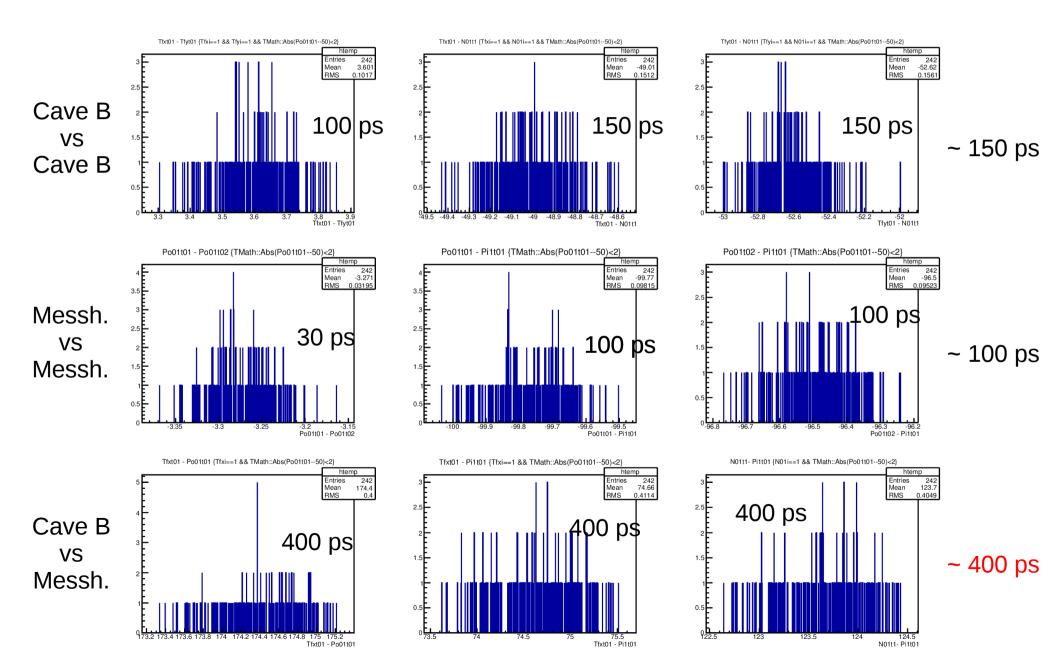
#### S245 TCAL: Cave B TDCs



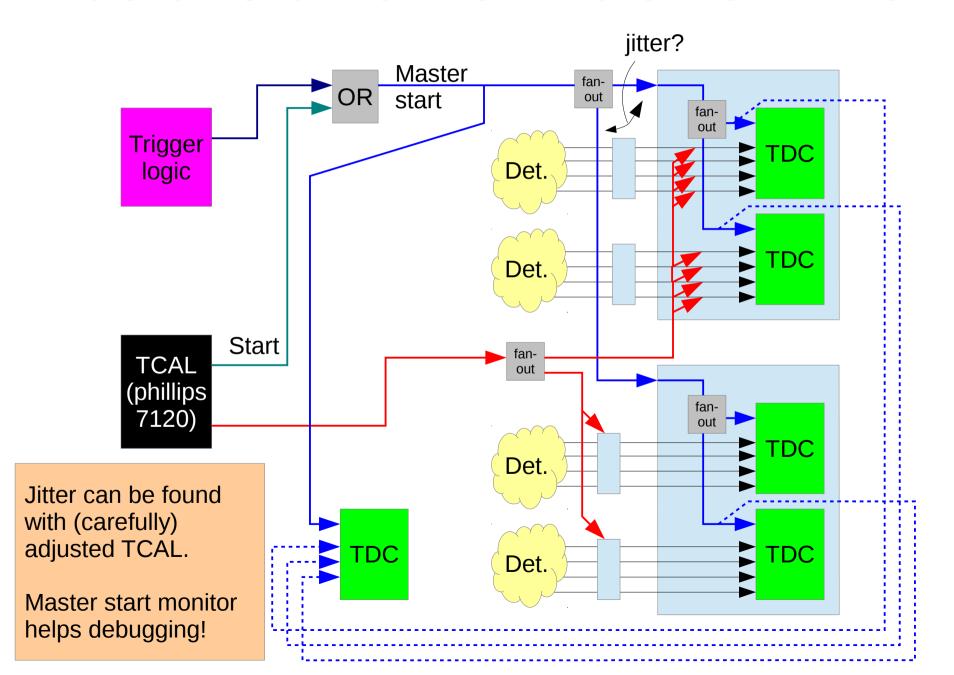
#### S245 TCAL: Messhütte TDCs



#### S245 TCAL: Cave B vs Messhütte TDCs



### Master Start & TCAL distrib. + monitor



## Timing jitter – casualties...

- Typical LAND time res: 300 ps
- S245 master start distribution jitter: 400 ps
- One (some) bad module/connection:
- → spoiling time-res of experiment

We tried rather exotic means...

- → wasting much time for recovery attempts in analysis
- ----- has struck again... (S406?) ------
- Can be found. Before experiment:
- IF the FULL DAQ is operational
  - well in advance!

(if DAQ crew is fighting 'bigger' problems, we never get to this...)