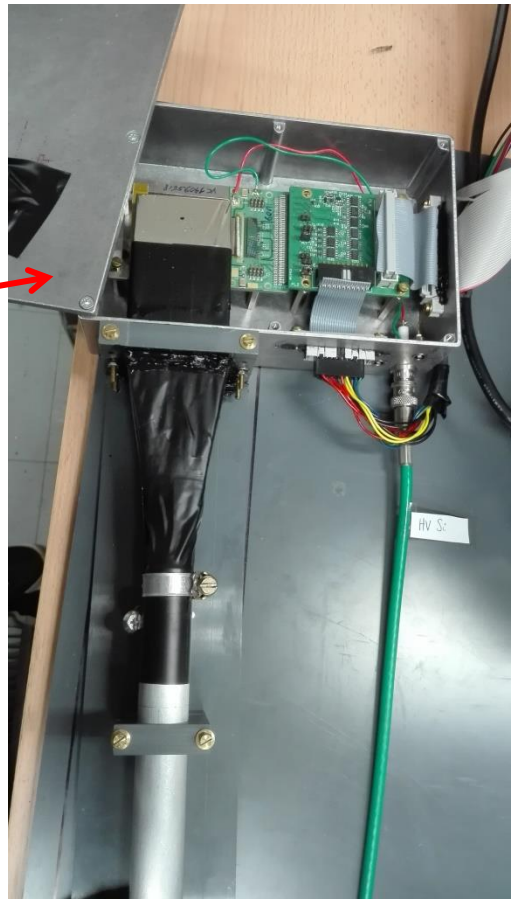
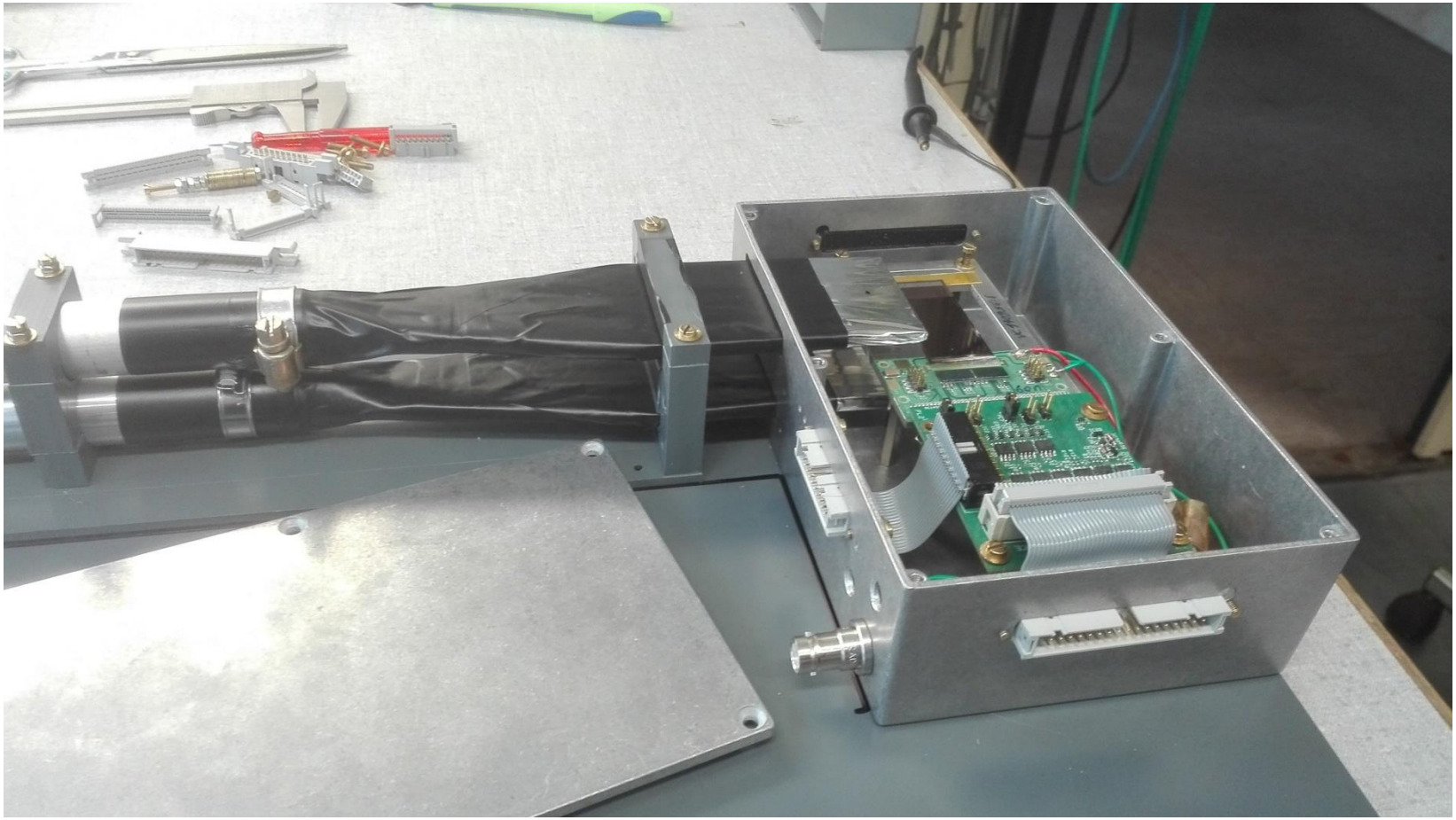
Test Bench status

22.02.2018

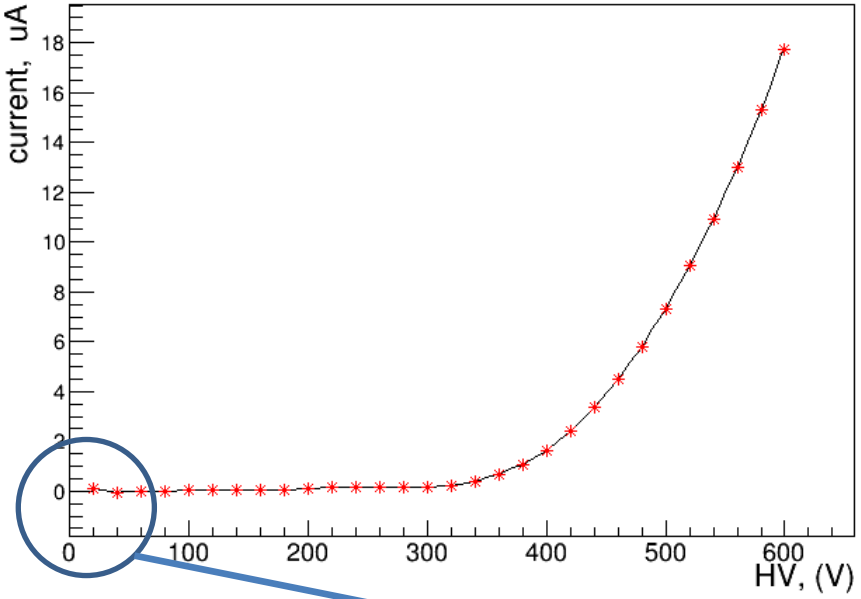
Vladimir, Ulrich, Christian

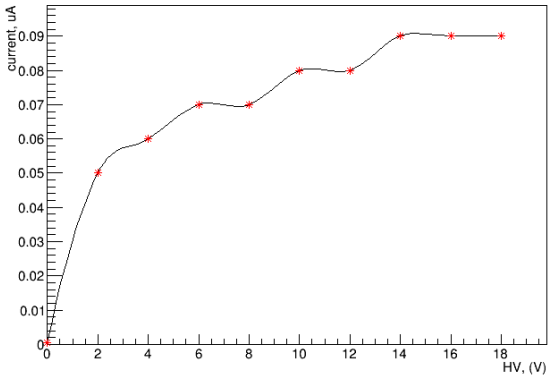
DELL





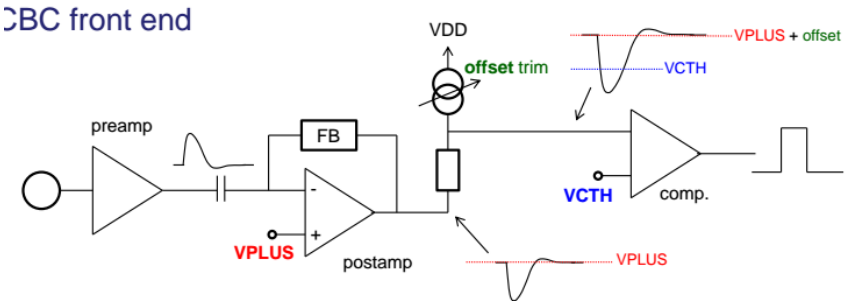
HV - Current

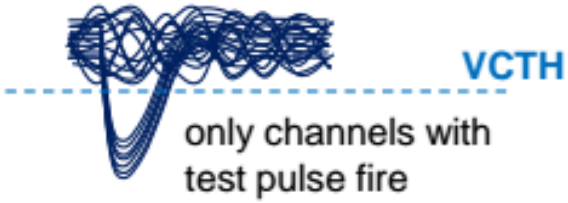


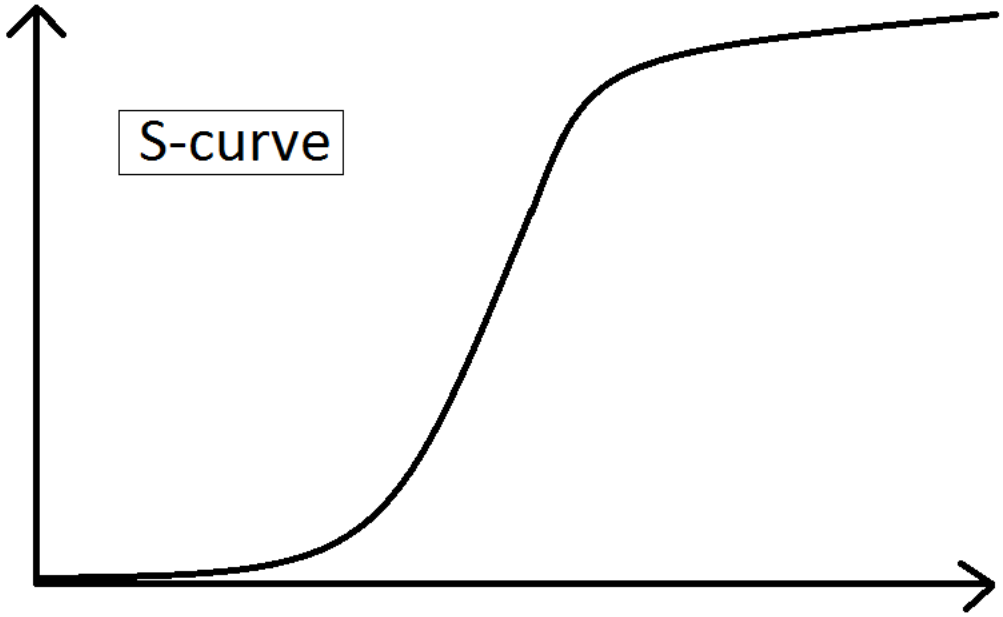


The HV on the detector vs current as in literature

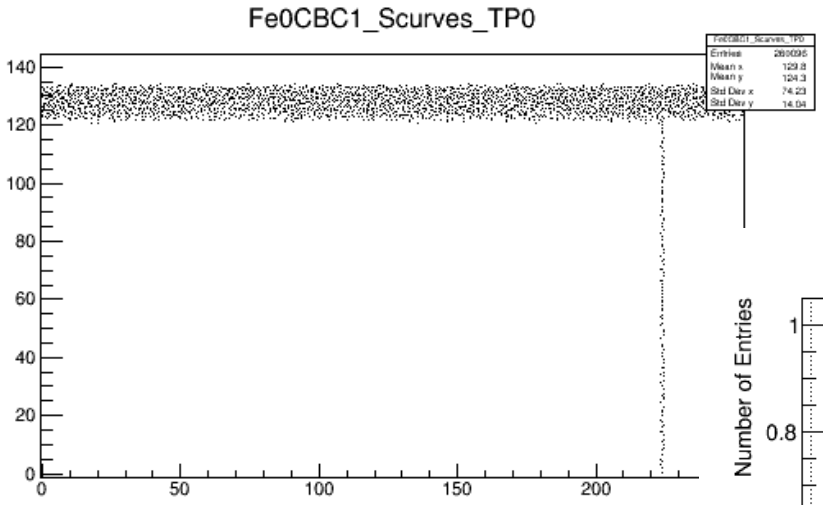
CBC calibration + channels offset



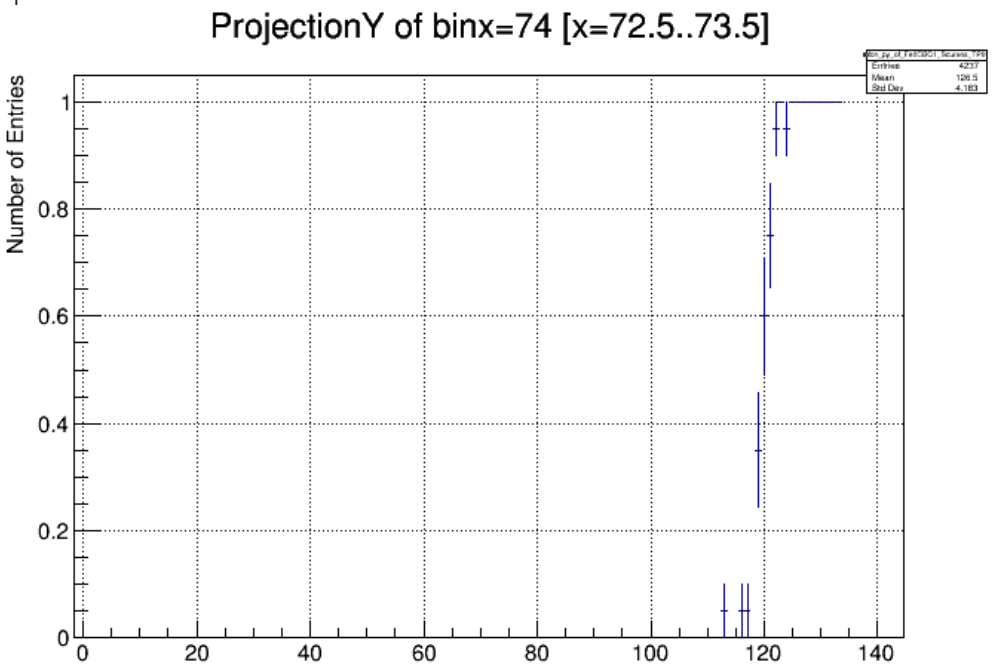


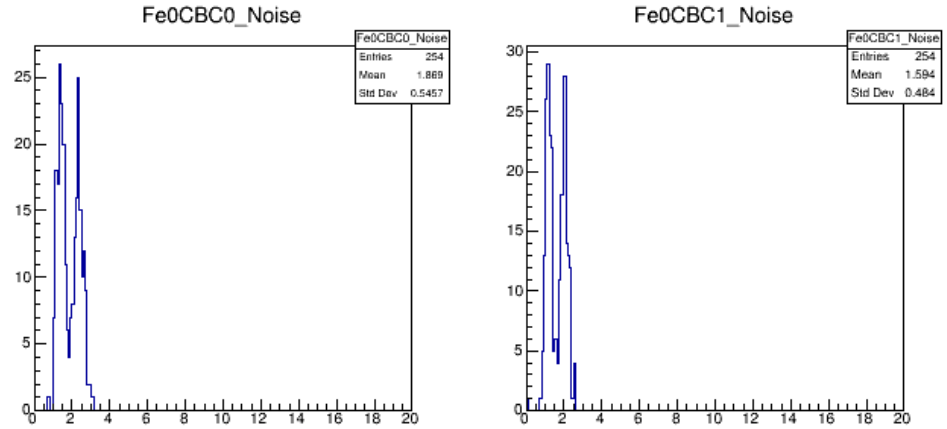


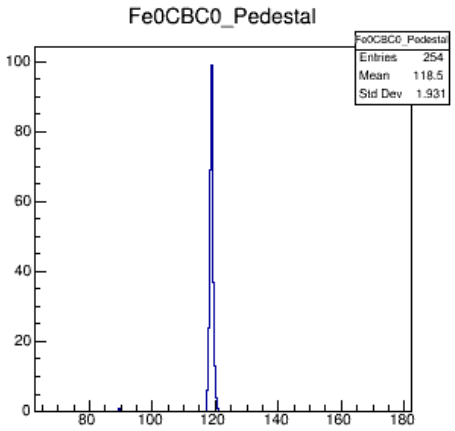
Noise calibration (S-Curves)

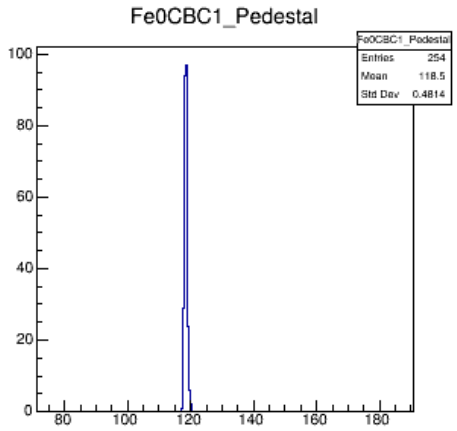


Noise VCTH scan



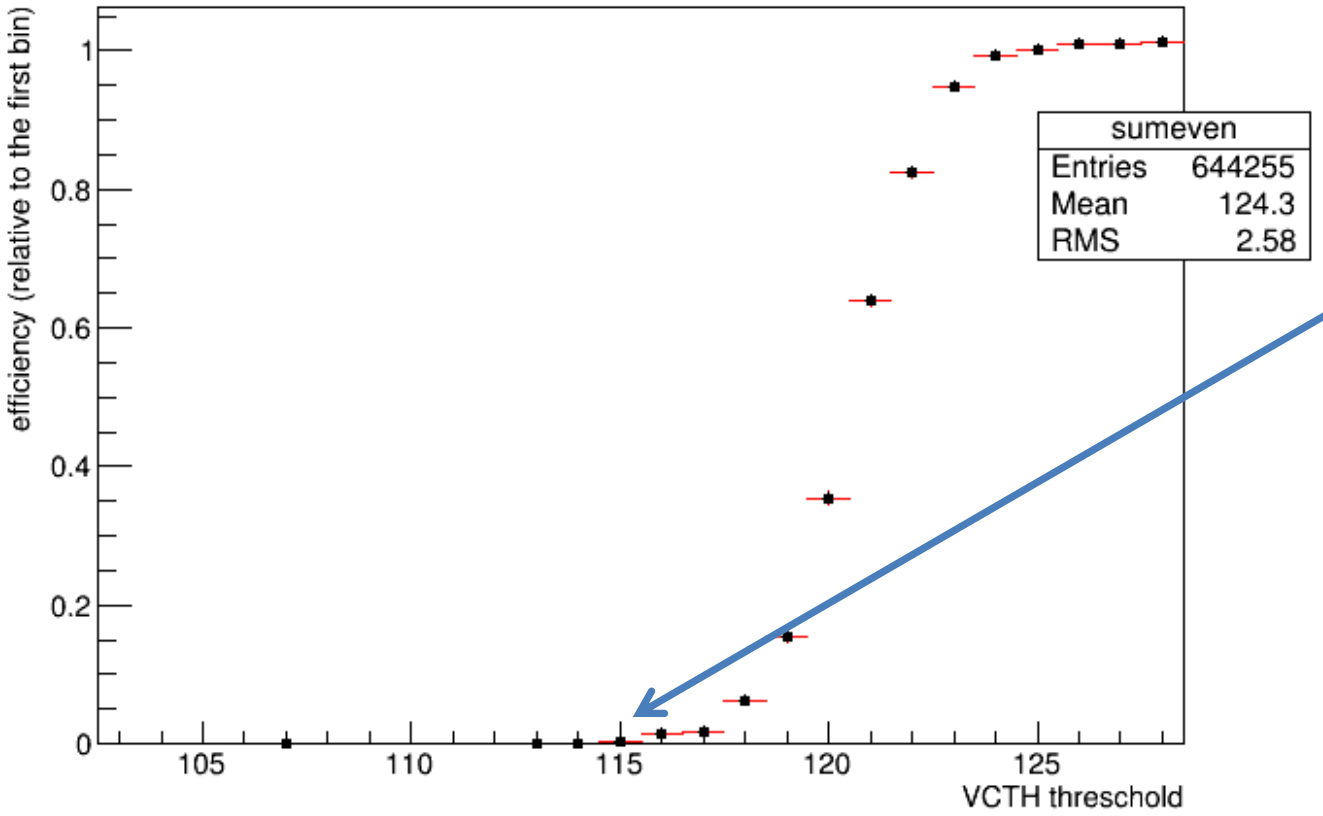






- Noise – is a width of s-curve at the mid-point (Gaussian sigma)
- Pedestal - is a given VCTH threshold w.r.t you perform channels calibration

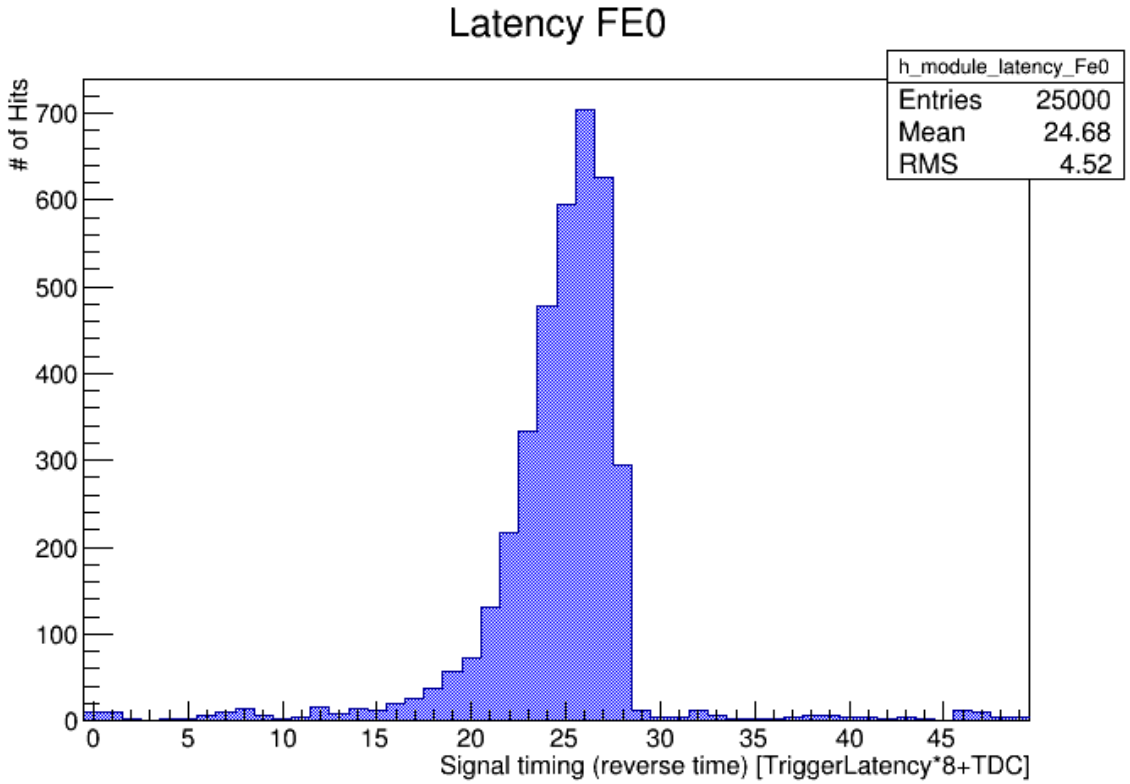
Noise S-curve for all channels



Suppressed to 0 at VCTH = 115

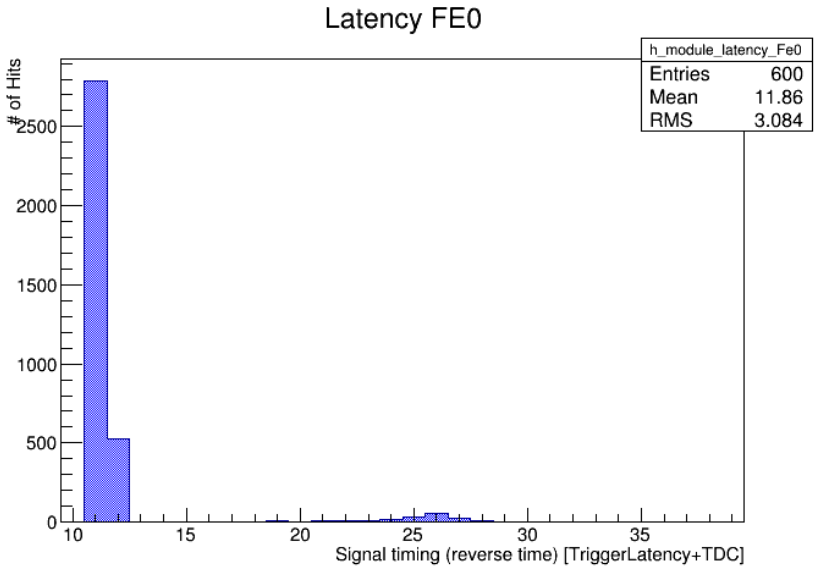
AUX
OUT

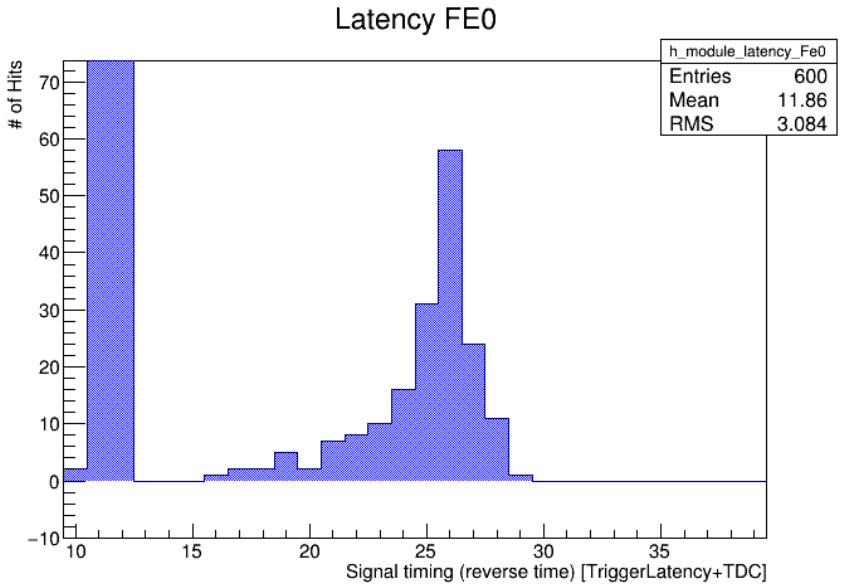
Trigger latency scan with high rate source



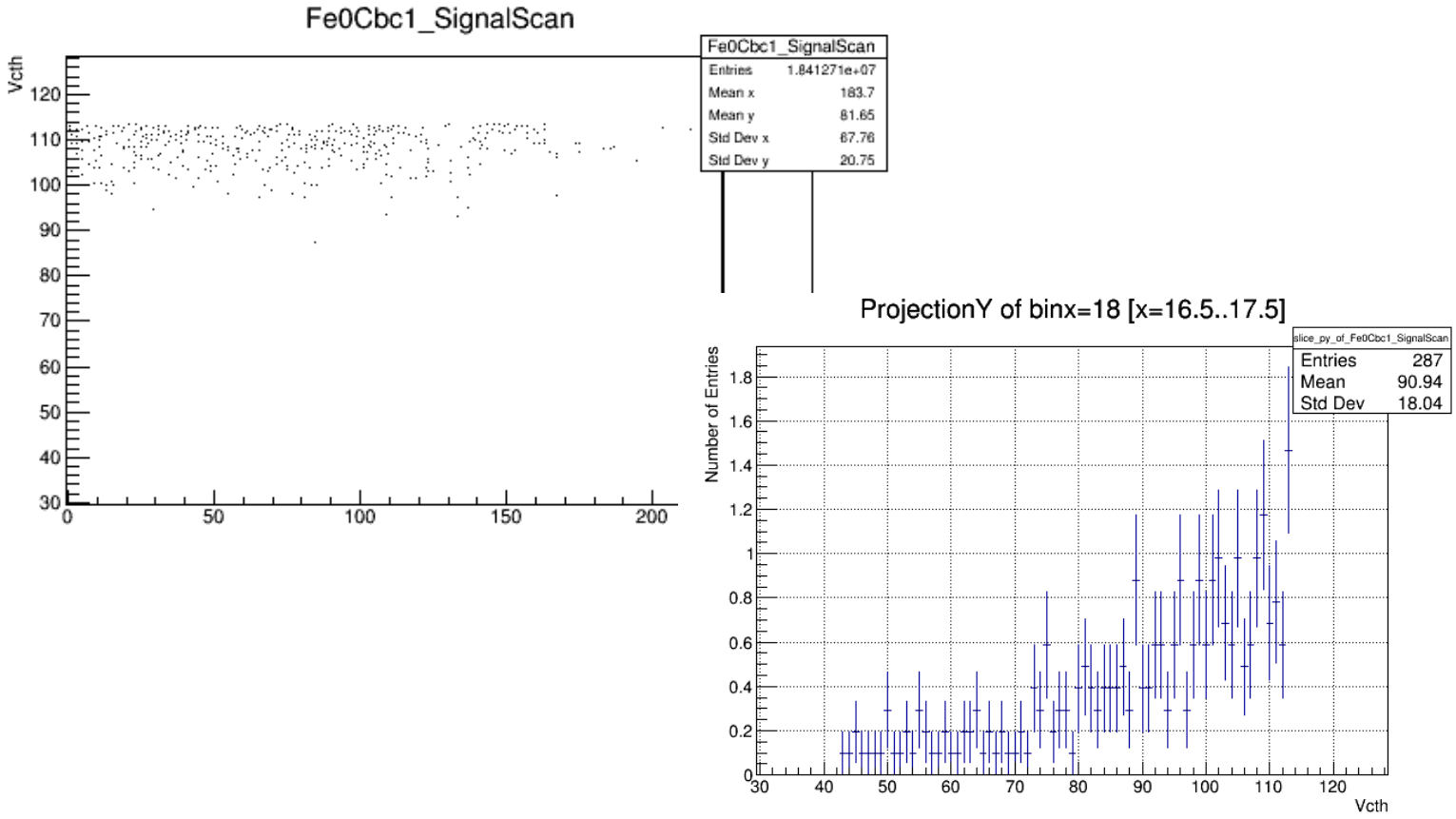
- Width and shape is not completely clear

Latency scan with cosmics (low rate)

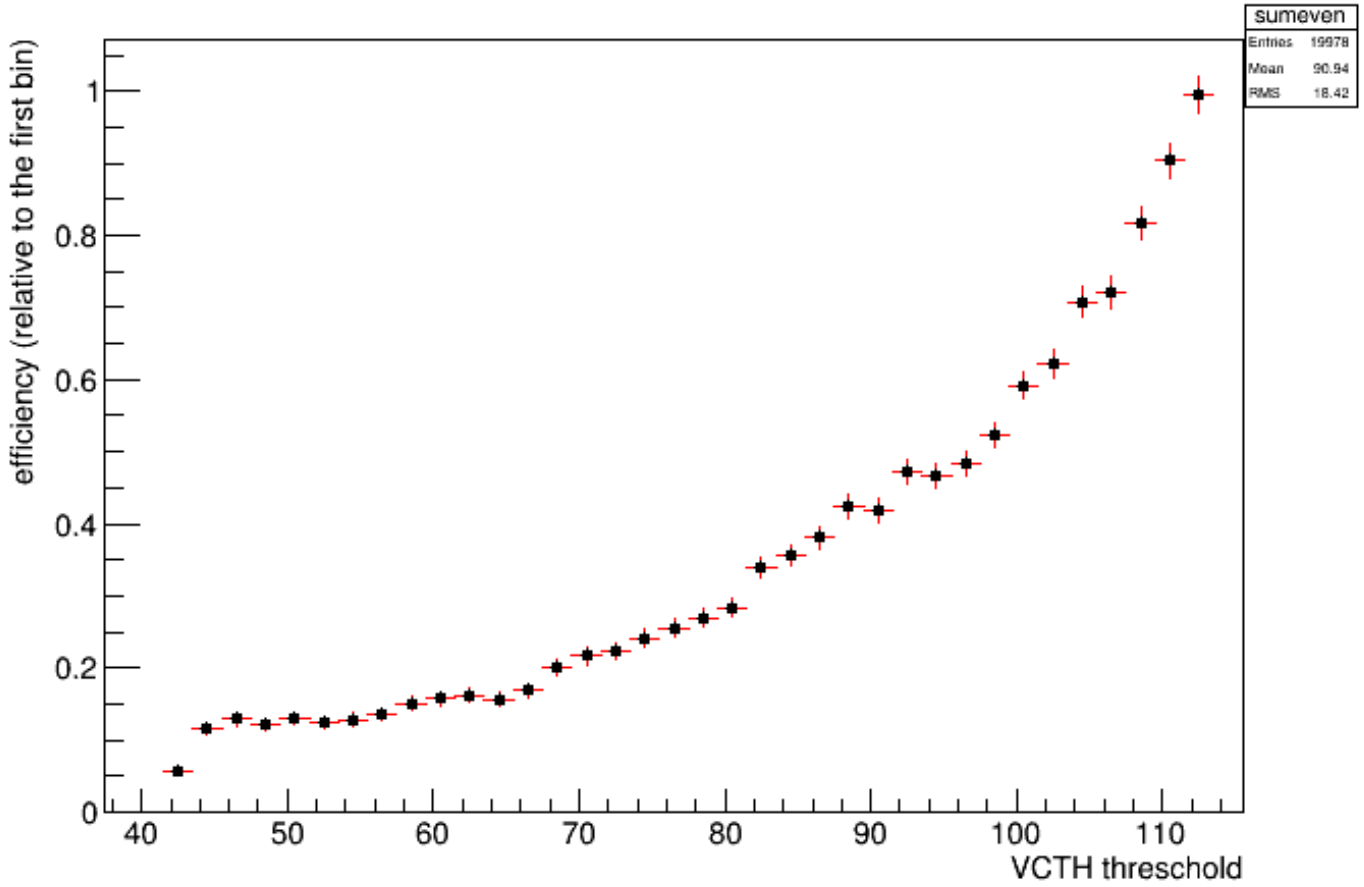




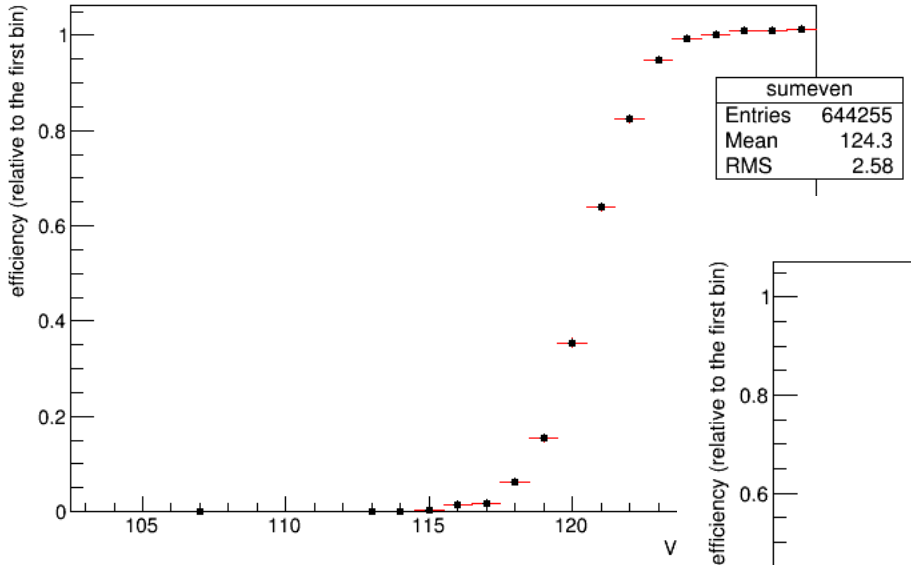
Signal Scan with largest latency bin

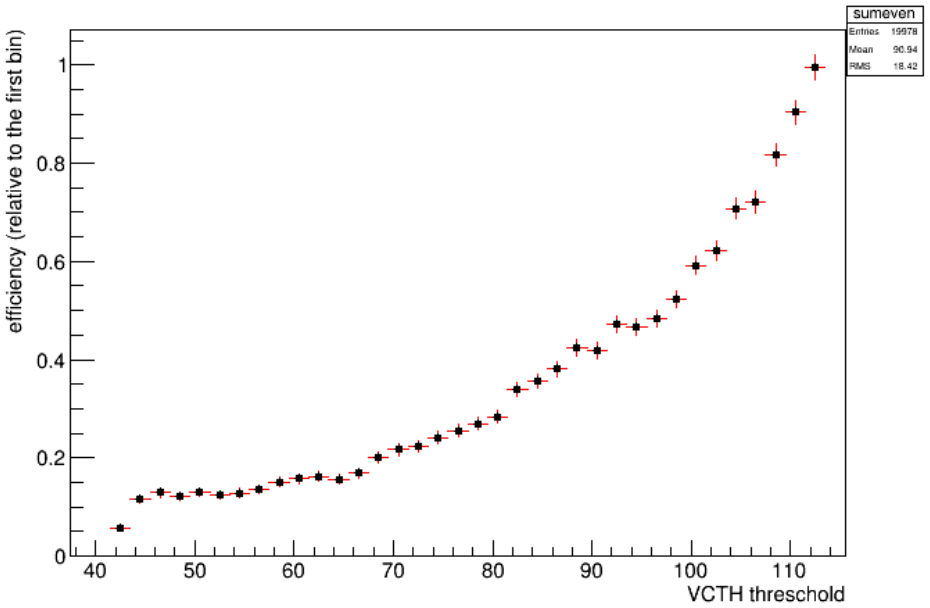


Signal Scan S-curve all channels



Noise&Signal S-Curves





Summary

- Detector is functional
- TestBech is setuped
- Some problems with trigger latency to be sorted out
- Documentation is available at twiki