/mnt/c/Users/client/Desktop/tesi/tesi/Analysis/W14R12/threshold_scan/all_casc/
140/20221003_115355_threshold_scan_interpreted.h5
Chip = W14R12
Script version = 9f88adb

IBIAS = 50, ITHR = 64, ICASN = 0, IDB = 100, ITUNE = 53, VRESET = 143, VCASP =
93, VCASC = 228, VCLIP = 255, VL = 2, VH = 140, ICOMP = 80, IDEL = 88, IRAM = 50
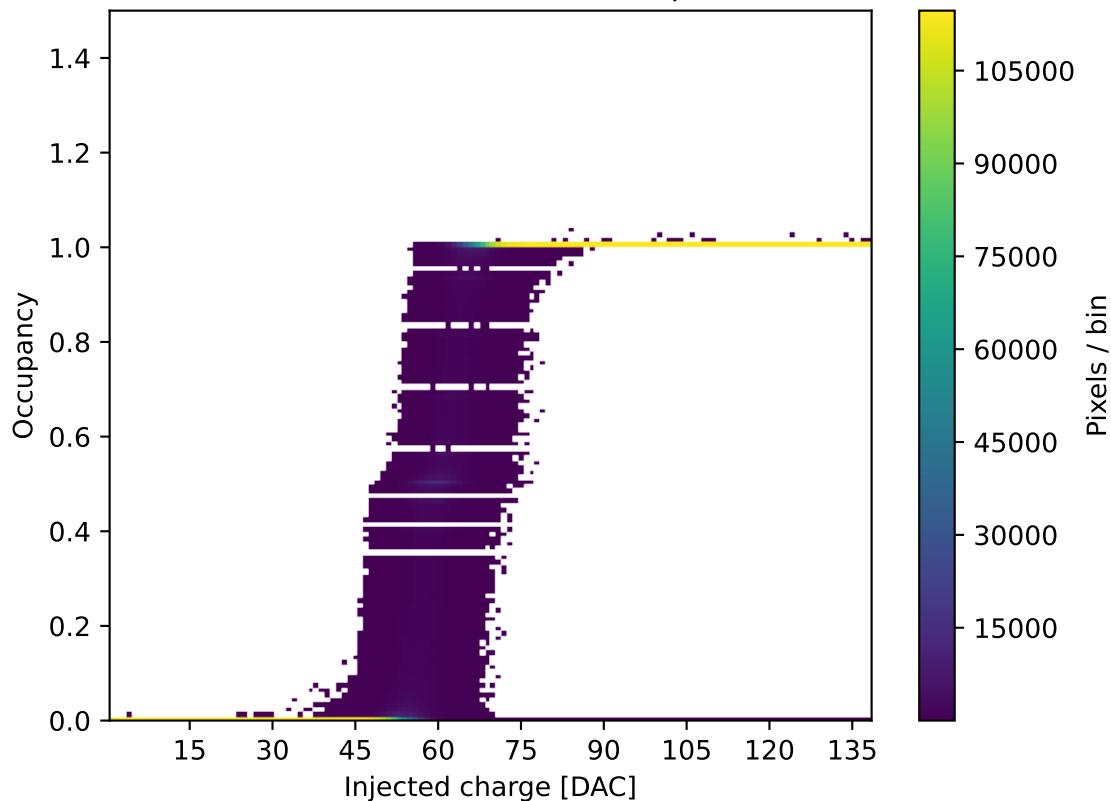
threshold_scan
start_column = 224, stop_column = 448, start_row = 0, stop_row = 512,
n_injections = 100, VCAL_HIGH = 140, VCAL_LOW_start = 139, VCAL_LOW_stop = 1,
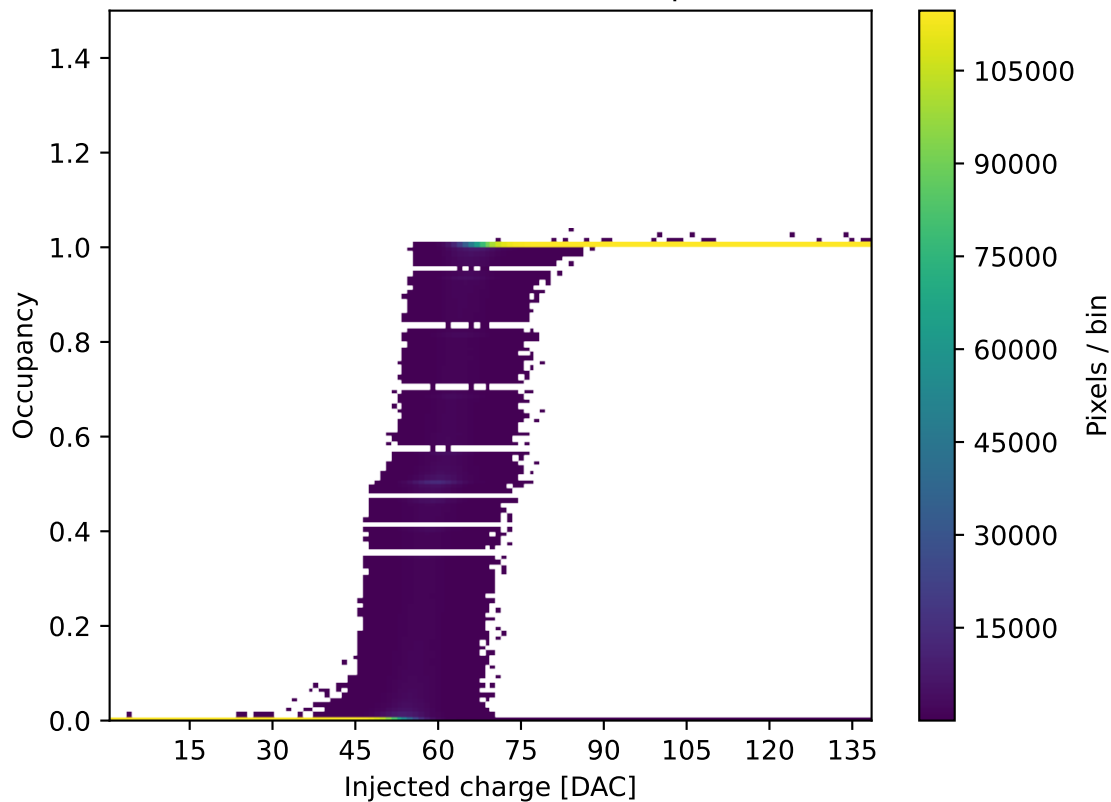VCAL_LOW_step = -1

No noisy pixel found.

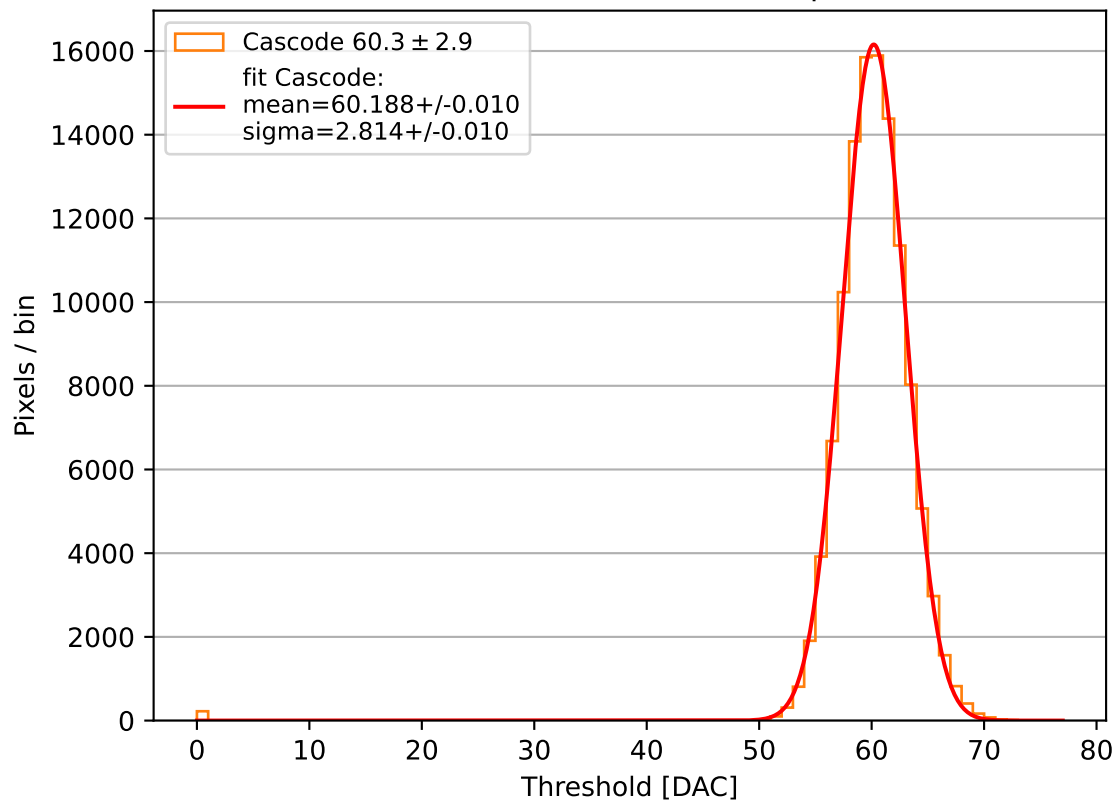S-Curve (All FEs)

VH = 140, VL = 139..1 (step -1)

S-Curve (Cascode)
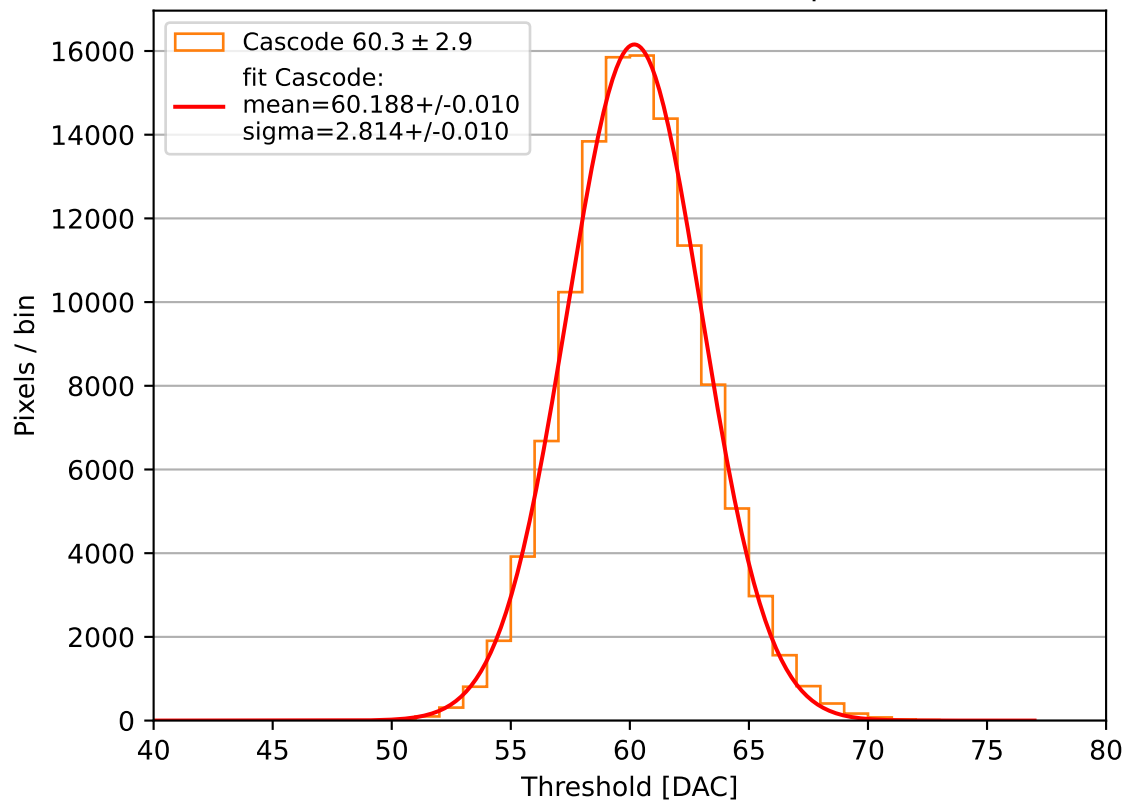
VH = 140, VL = 139..1 (step -1)
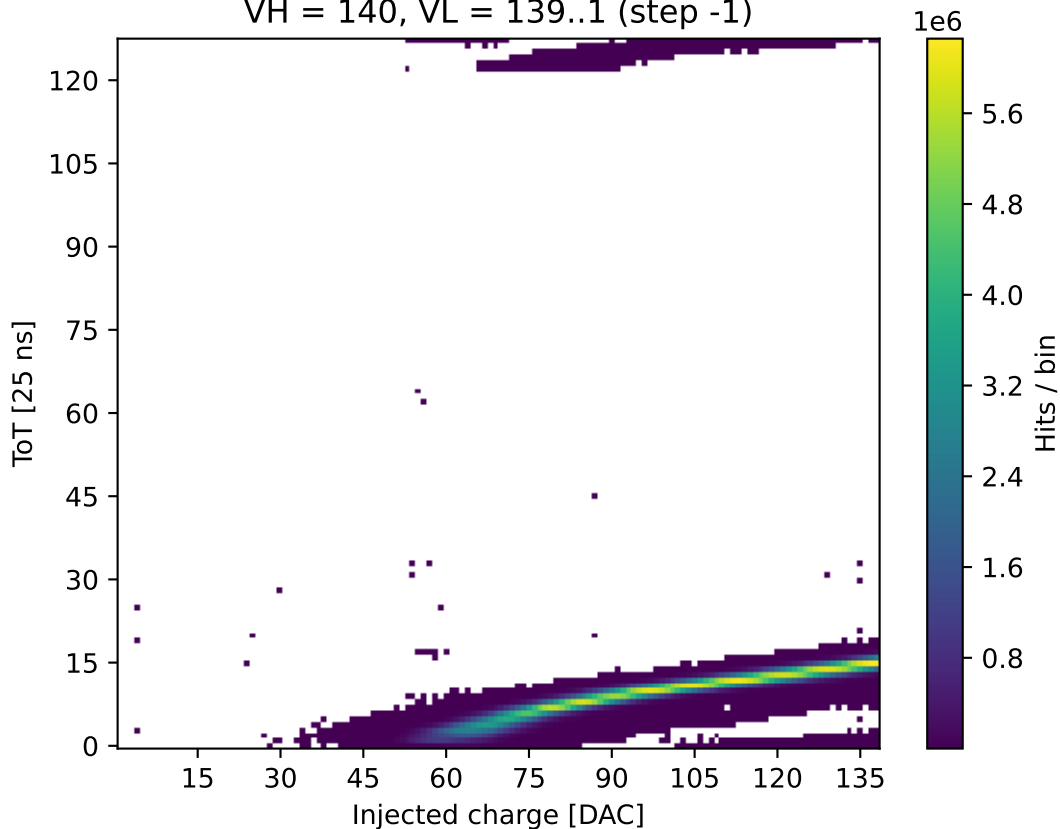
Threshold distribution

VH = 140, VL = 139..1 (step -1)

Cascode 60.3 ± 2.9

fit Cascode:
mean=60.188+/-0.010
sigma=2.814+/-0.010

Threshold distribution

VH = 140, VL = 139..1 (step -1)

Cascode 60.3 ± 2.9

fit Cascode:
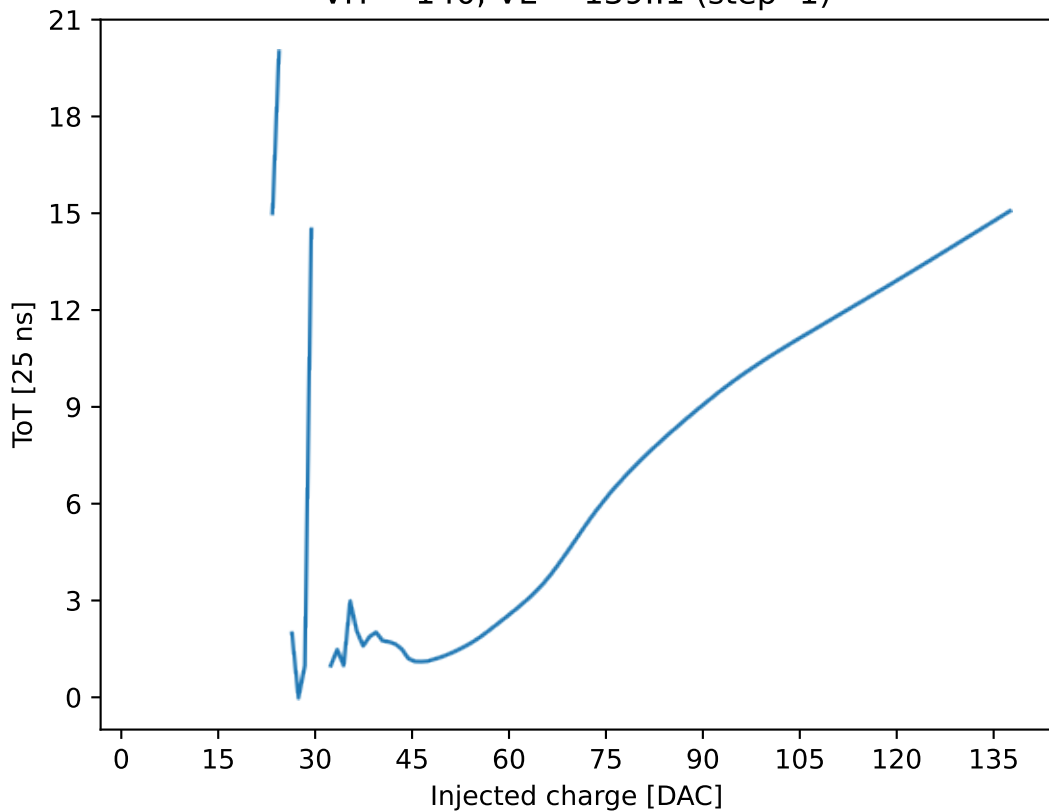mean=60.188+/-0.010
sigma=2.814+/-0.010

ToT curve (All FEs)
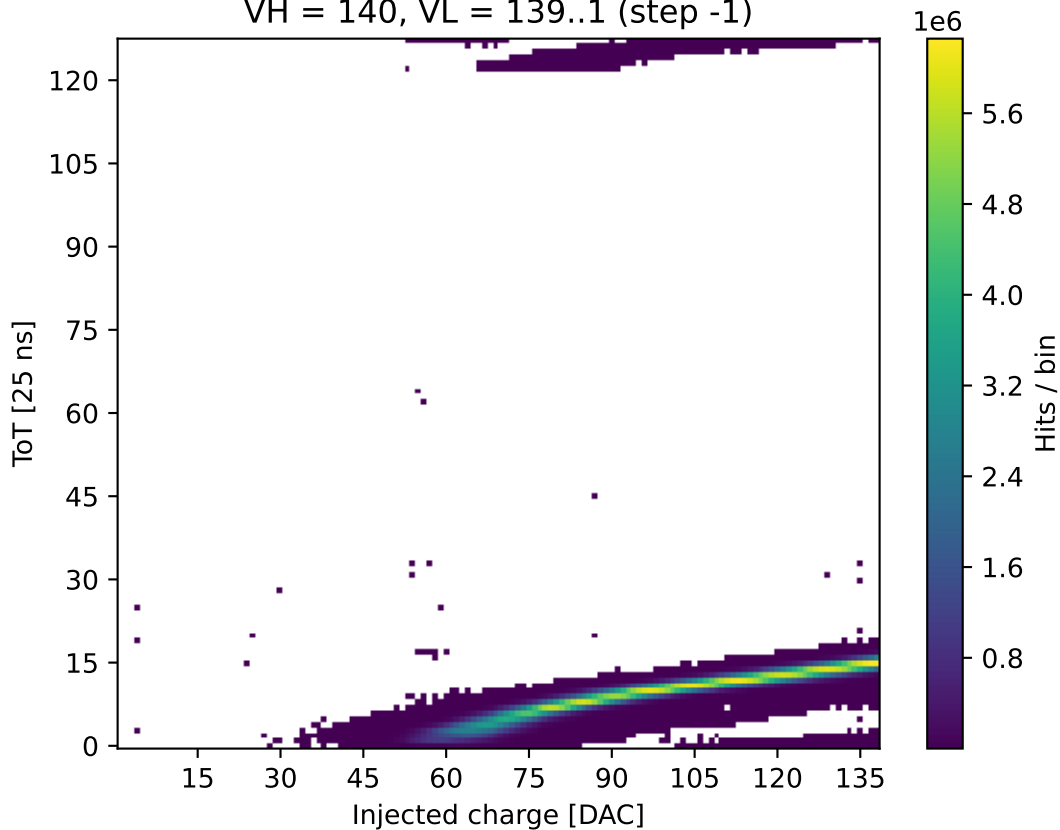
VH = 140, VL = 139..1 (step -1)
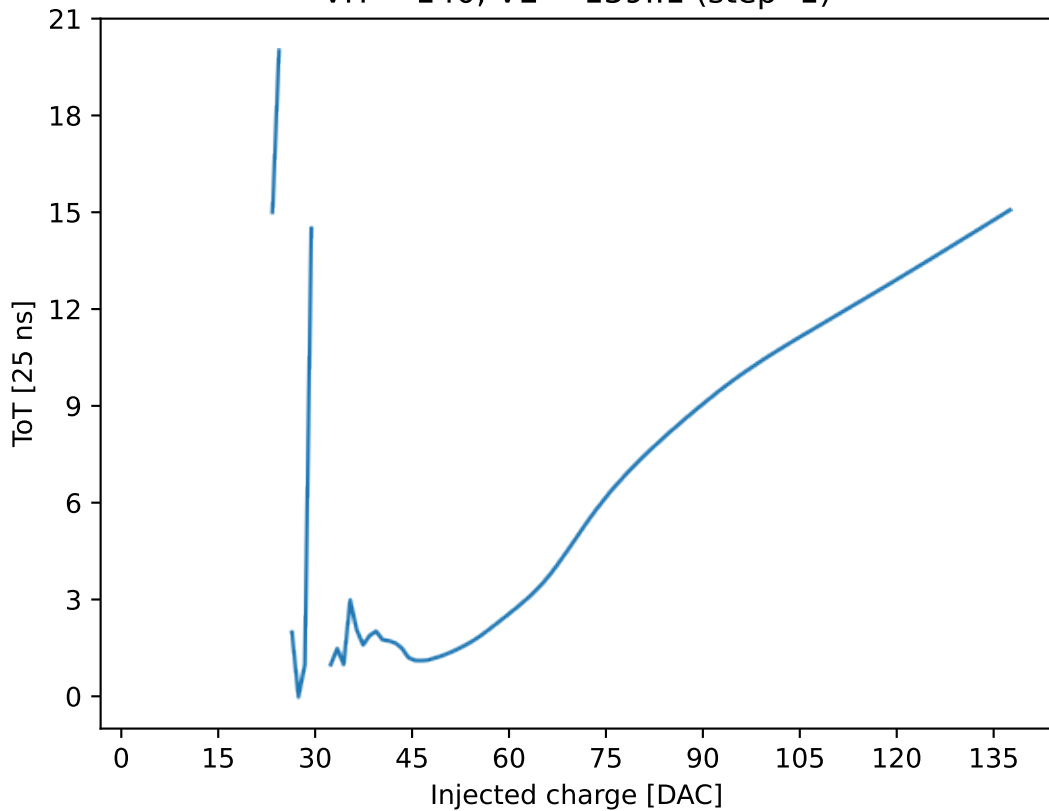
ToT curve (All FEs)
VH = 140, VL = 139..1 (step -1)
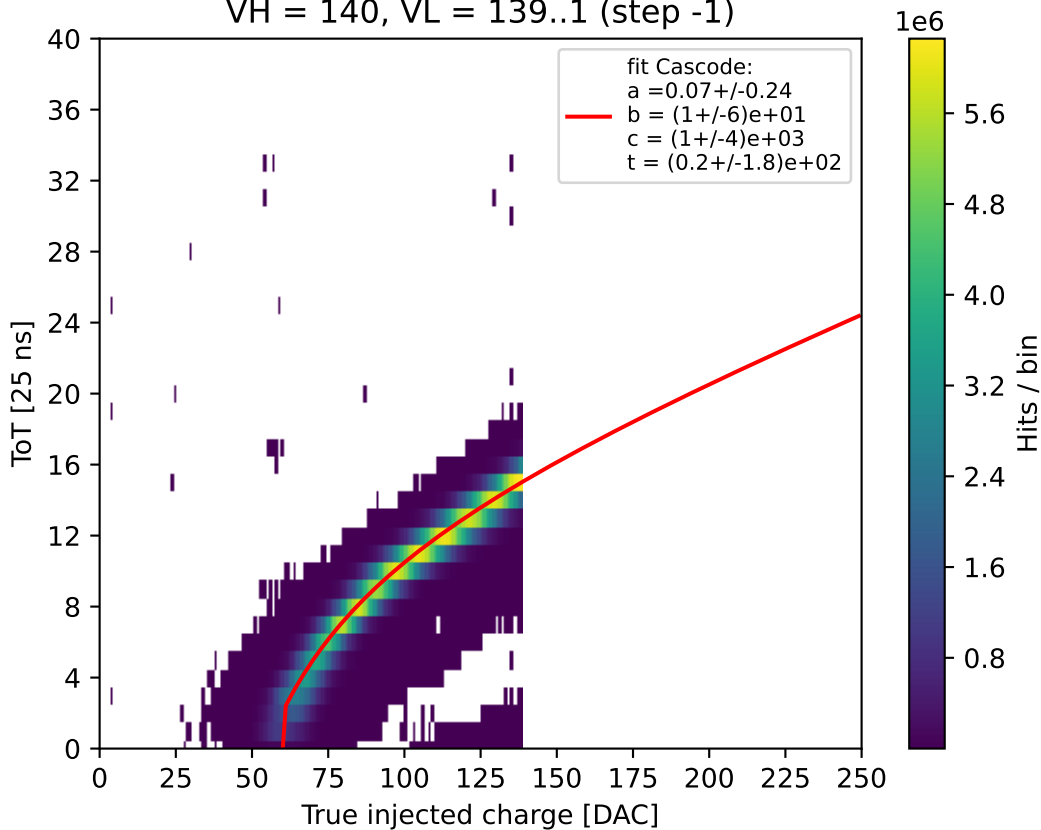
ToT curve (Cascode)

VH = 140, VL = 139..1 (step -1)

ToT curve (Cascode)
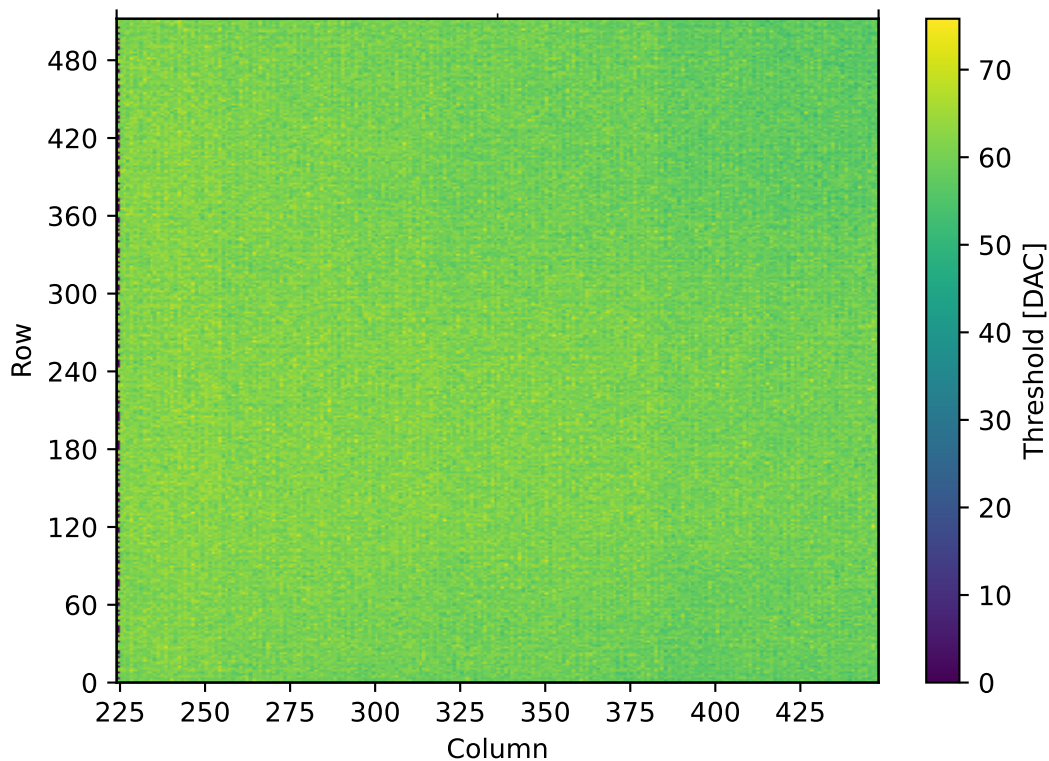VH = 140, VL = 139..1 (step -1)
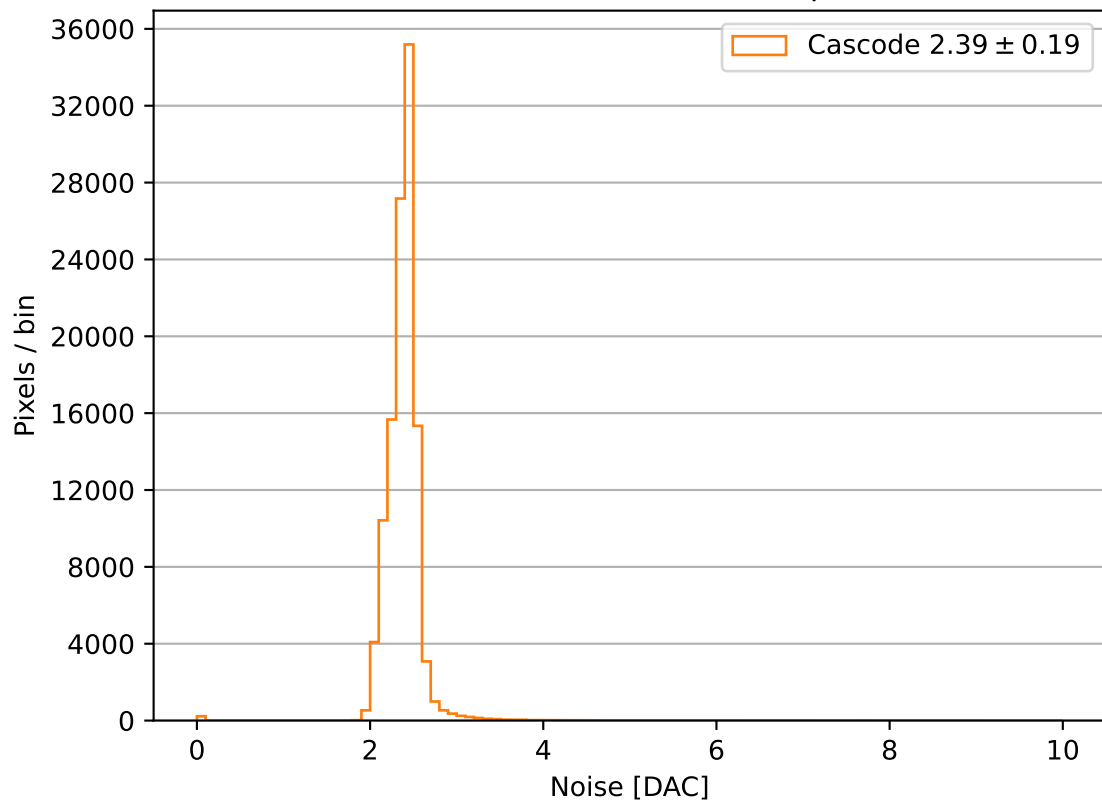
ToT curve fit

VH = 140, VL = 139..1 (step -1)
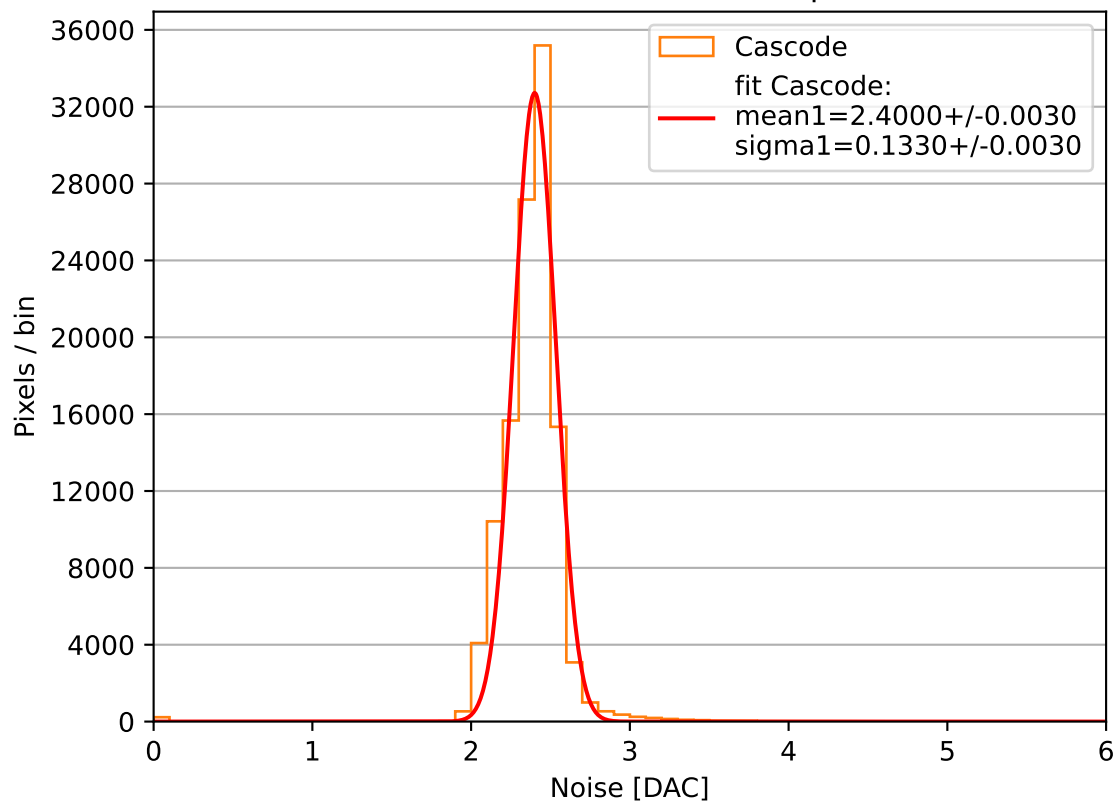
fit Cascode:
a =0.07+/-0.24
b = (1+/-6)e+01
c = (1+/-4)e+03
t = (0.2+/-1.8)e+02

Threshold map

VH = 140, VL = 139..1 (step -1)

Noise distribution

VH = 140, VL = 139..1 (step -1)

Cascode 2.39 ± 0.19

Noise distribution

VH = 140, VL = 139..1 (step -1)
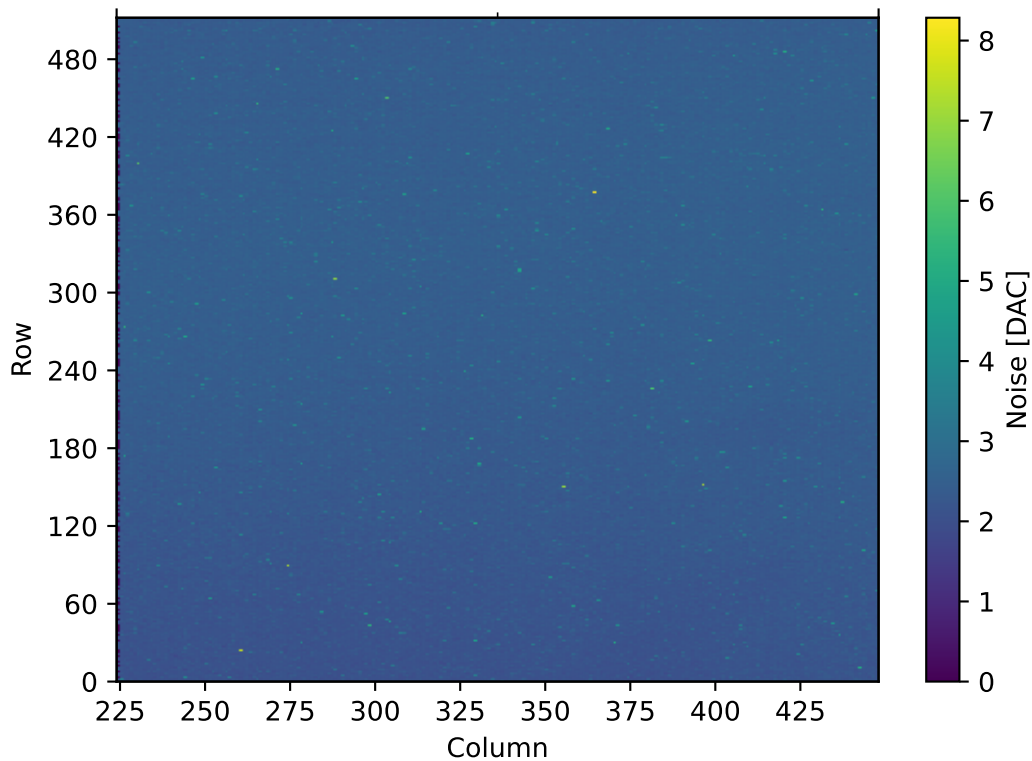
Cascode

fit Cascode:
mean1=2.4000+/-0.0030
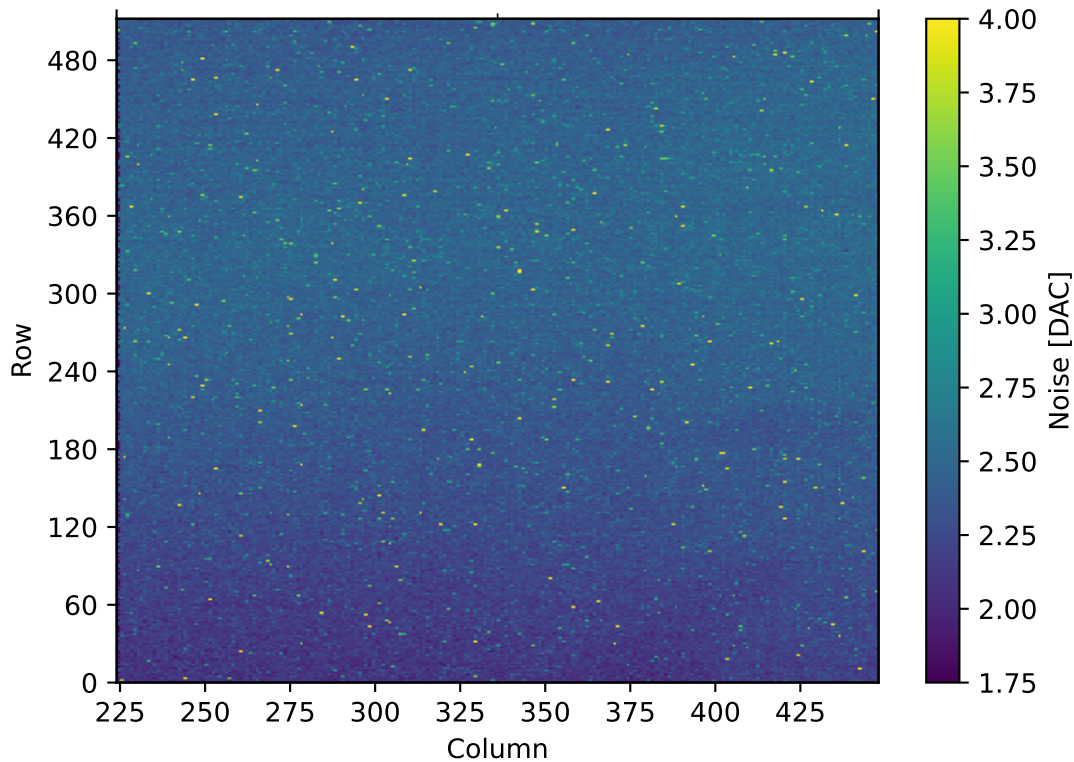sigma1=0.1330+/-0.0030

Noise map

VH = 140, VL = 139..1 (step -1)

Noise map

VH = 140, VL = 139..1 (step -1)
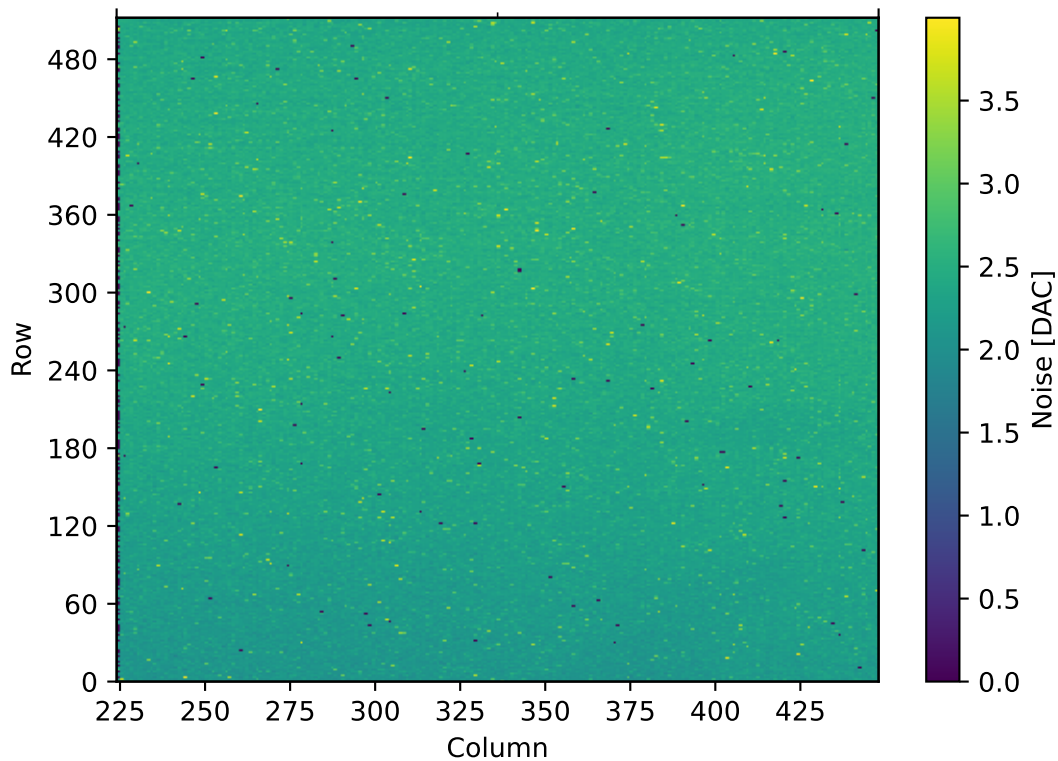
Noise map

VH = 140, VL = 139..1 (step -1)

Noise (width of s-curve slope) distribution

VH = 140, VL = 139..1 (step -1)

Cascode

fit Cascode:
mean1=2.4000+/-0.0030
sigma1=0.1330+/-0.0030