

/mnt/c/Users/client/Desktop/tesi/tesi/Analysis/W14R12/threshold\_scan/all\_casc/  
140/20221003\_115355\_threshold\_scan\_interpreted.h5  
Chip = W14R12  
Script version = 13041b5

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

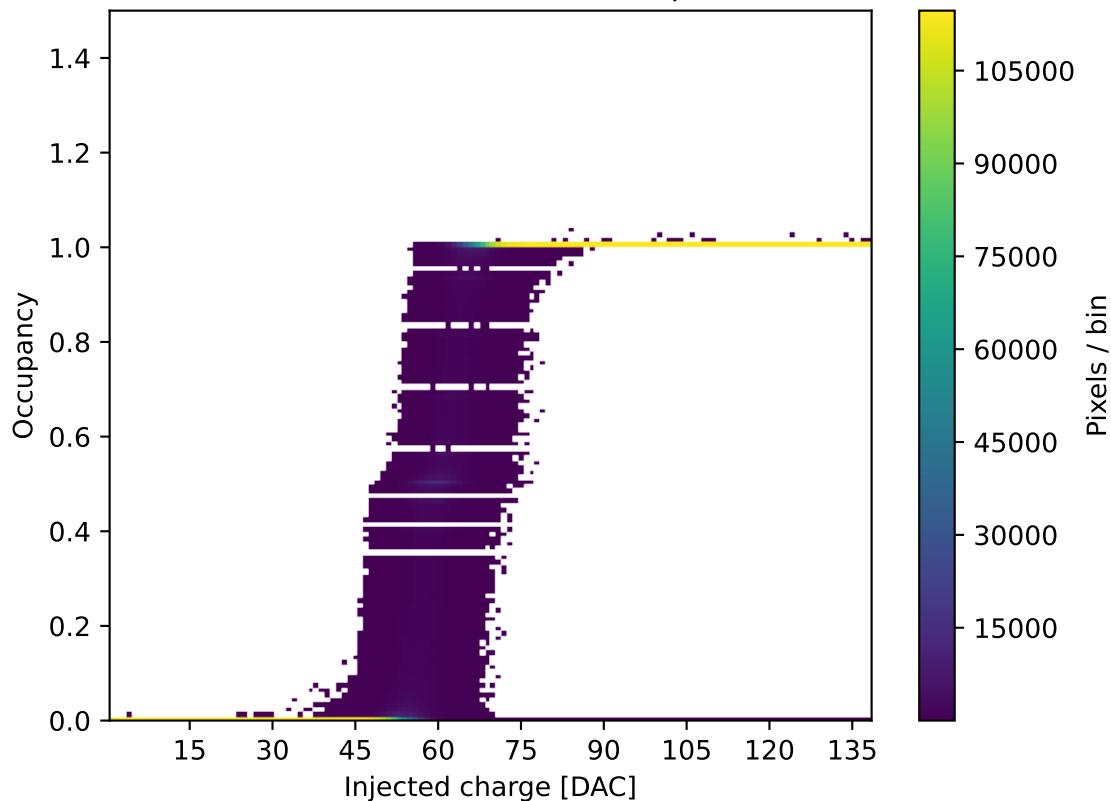
threshold\_scan

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.

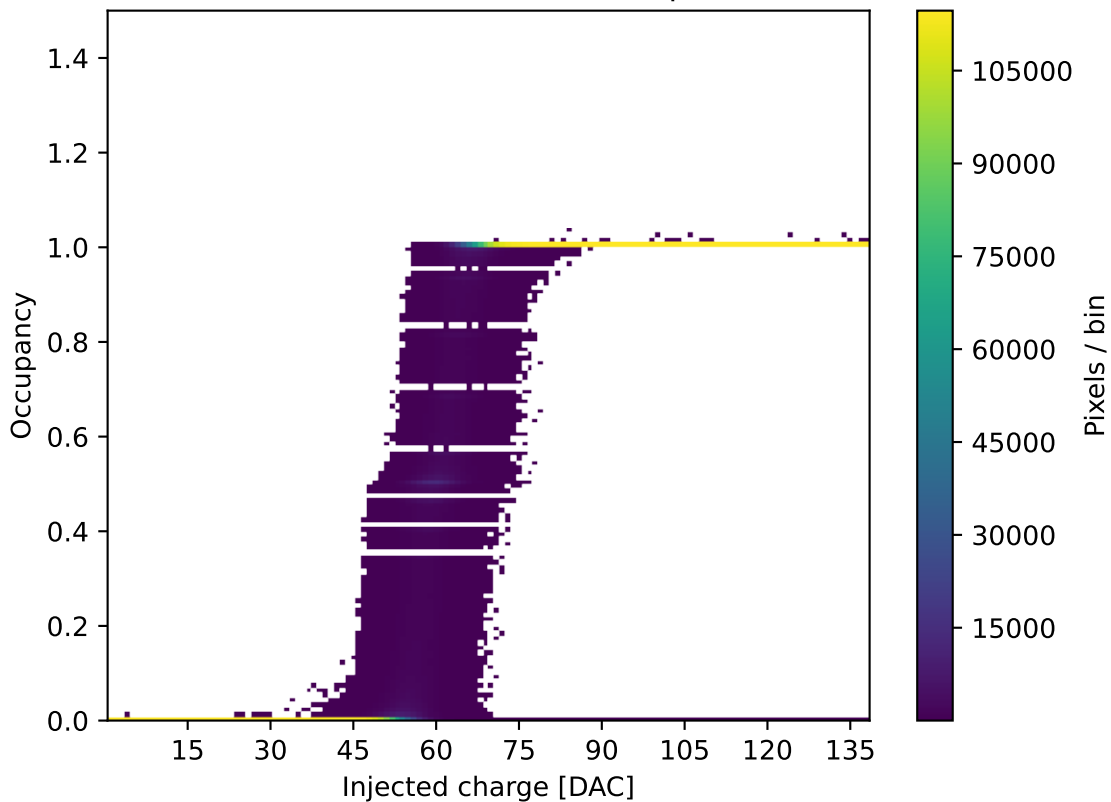
# S-Curve (All FEs)

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



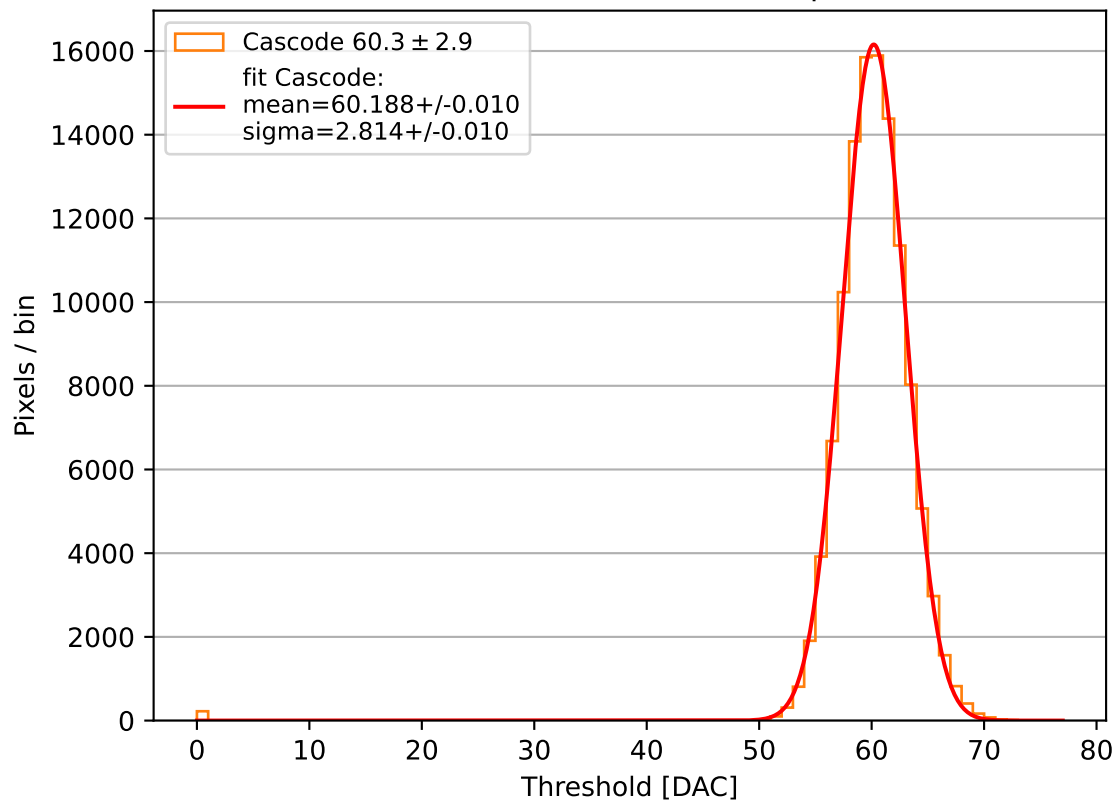
# S-Curve (Cascode)

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



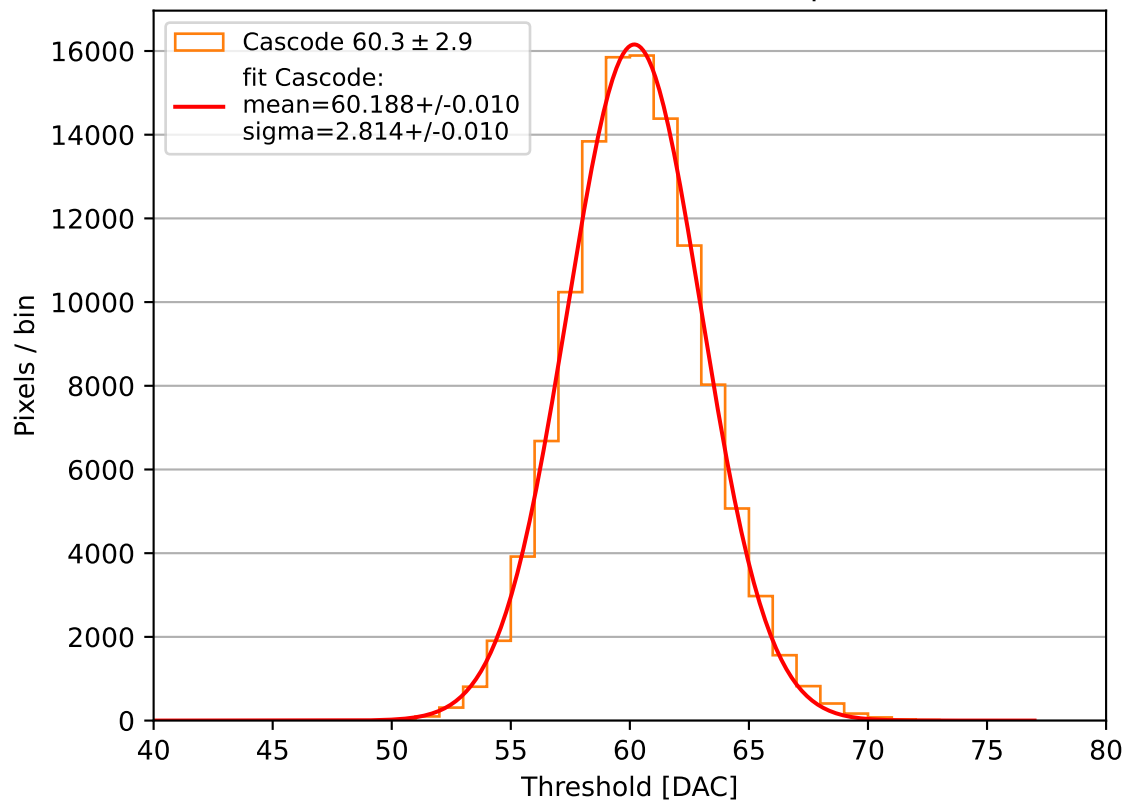
# Threshold distribution

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



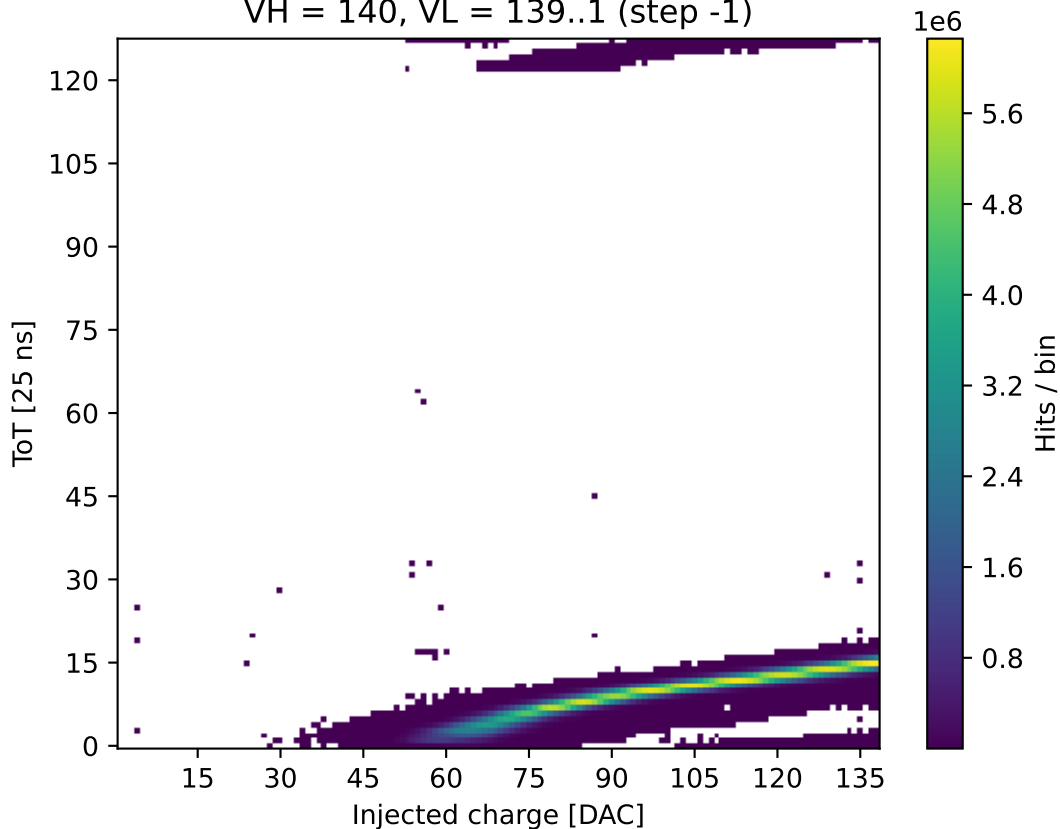
# Threshold distribution

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



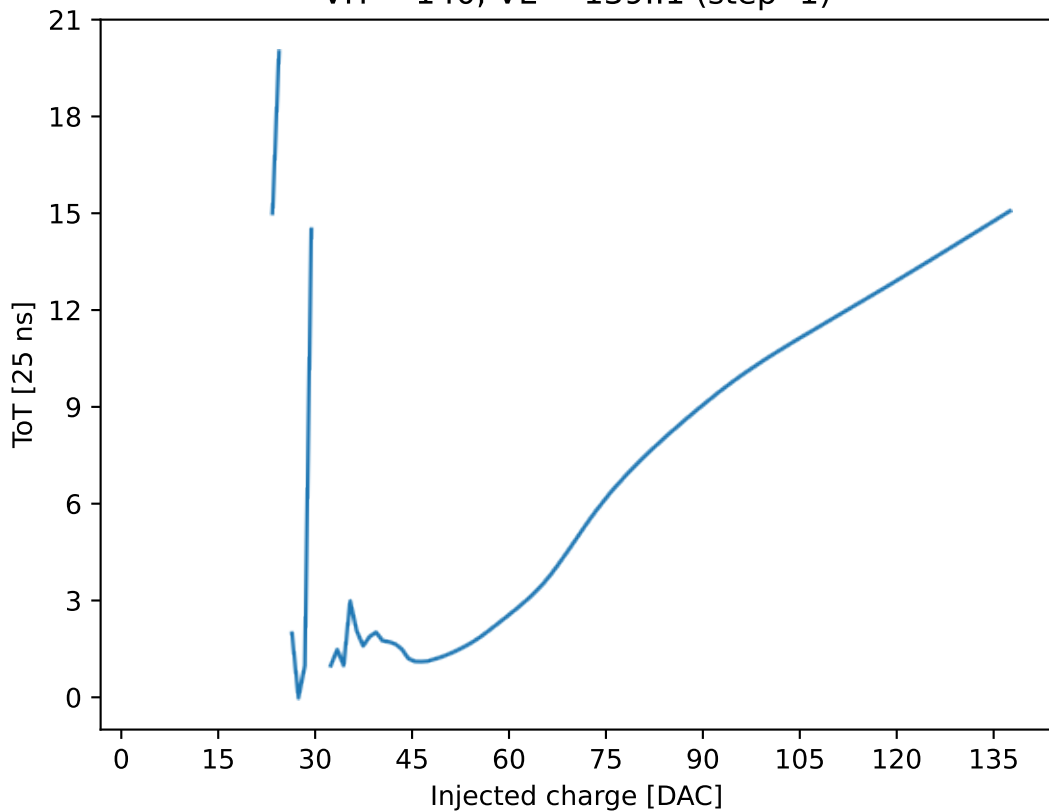
# ToT curve (All FEs)

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



# ToT curve (All FEs)

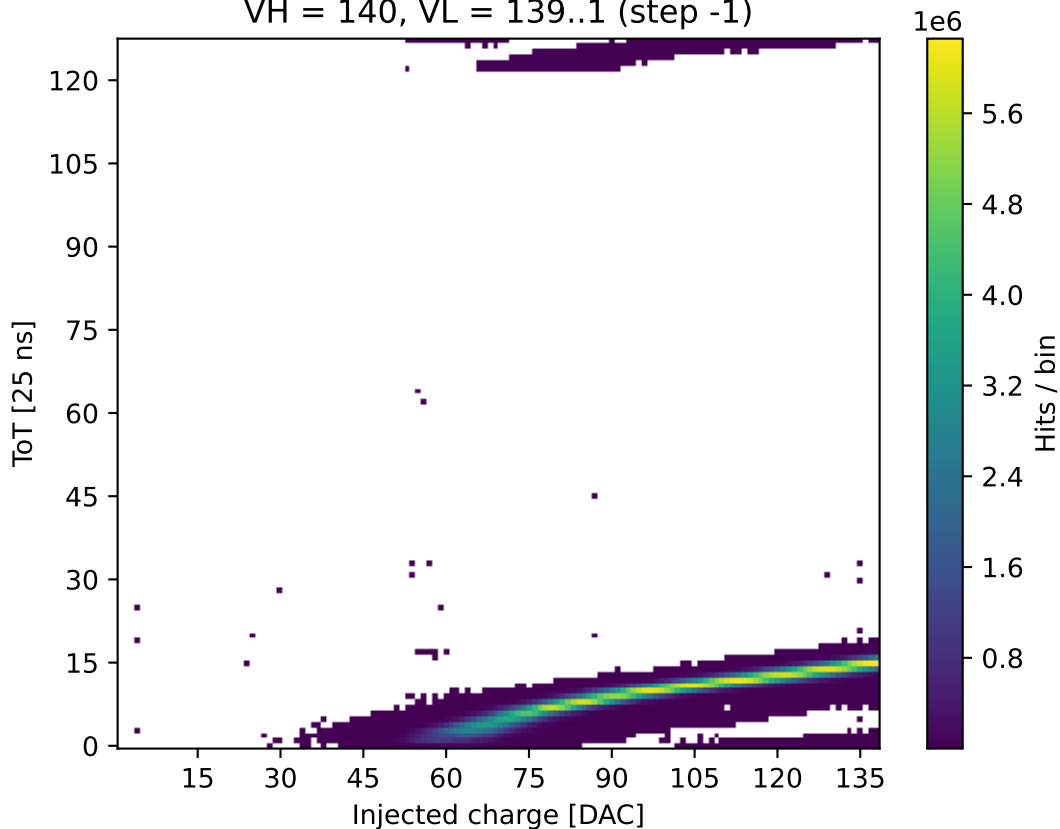
VH = 140, VL = 139..1 (step -1)





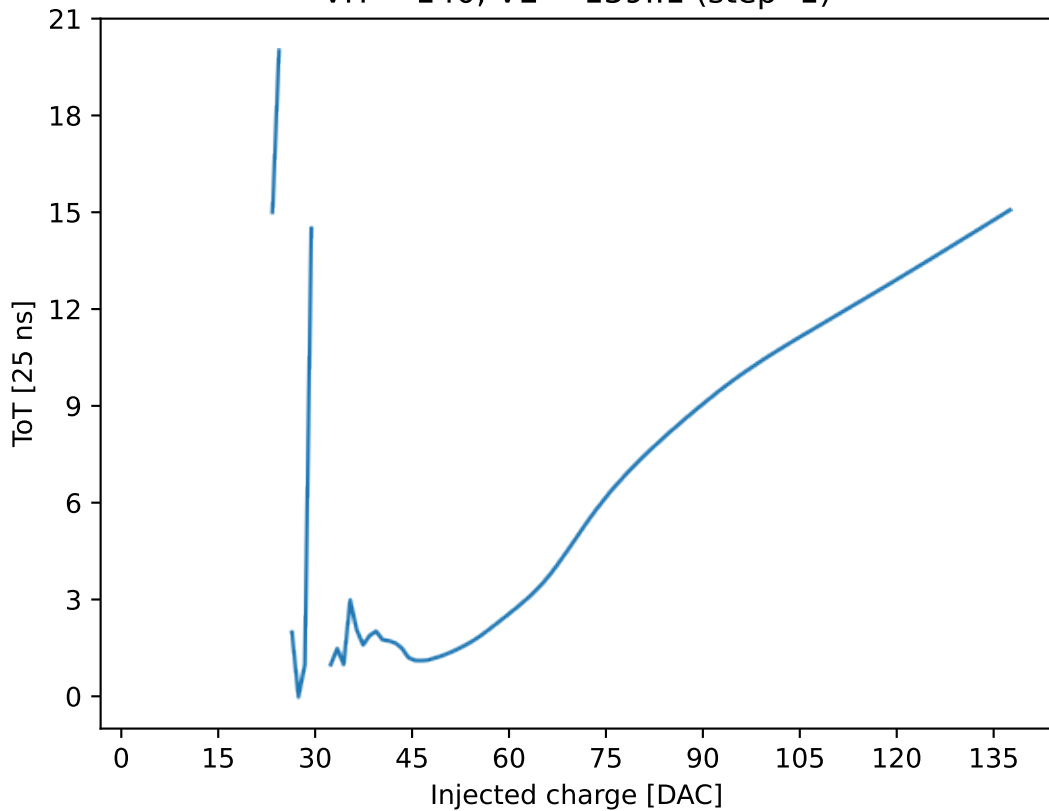
# ToT curve (Cascode)

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



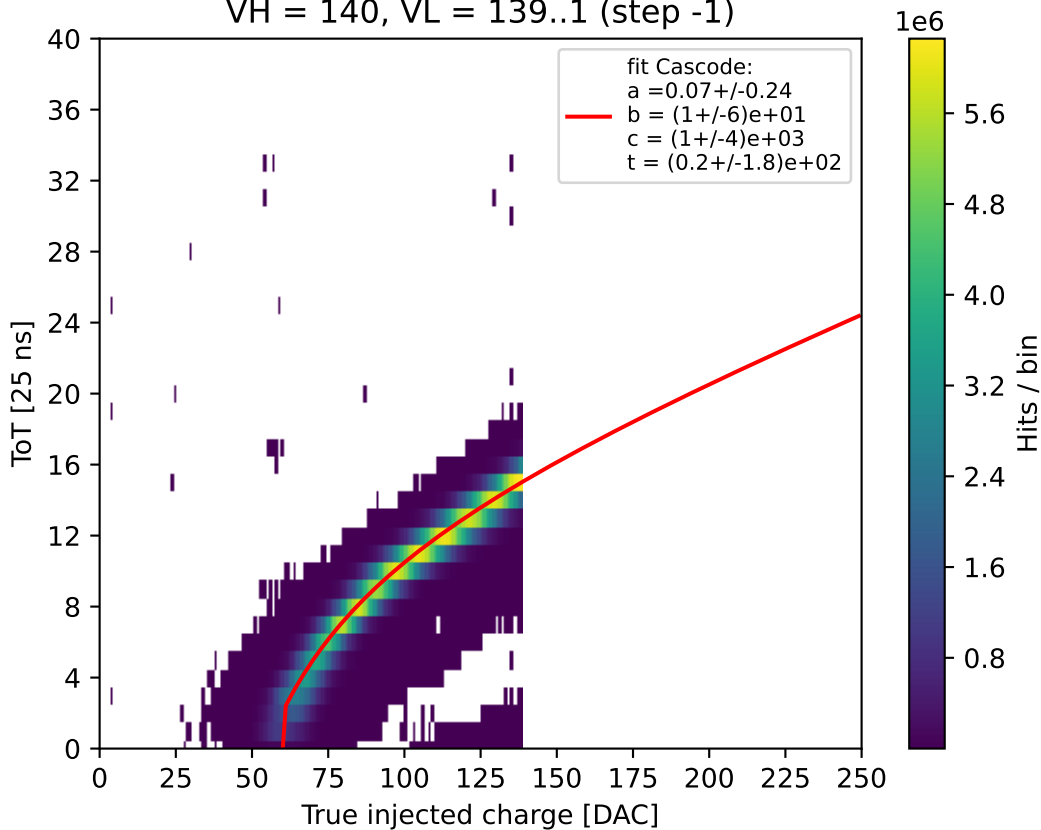
# ToT curve (Cascode)

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



# ToT curve fit

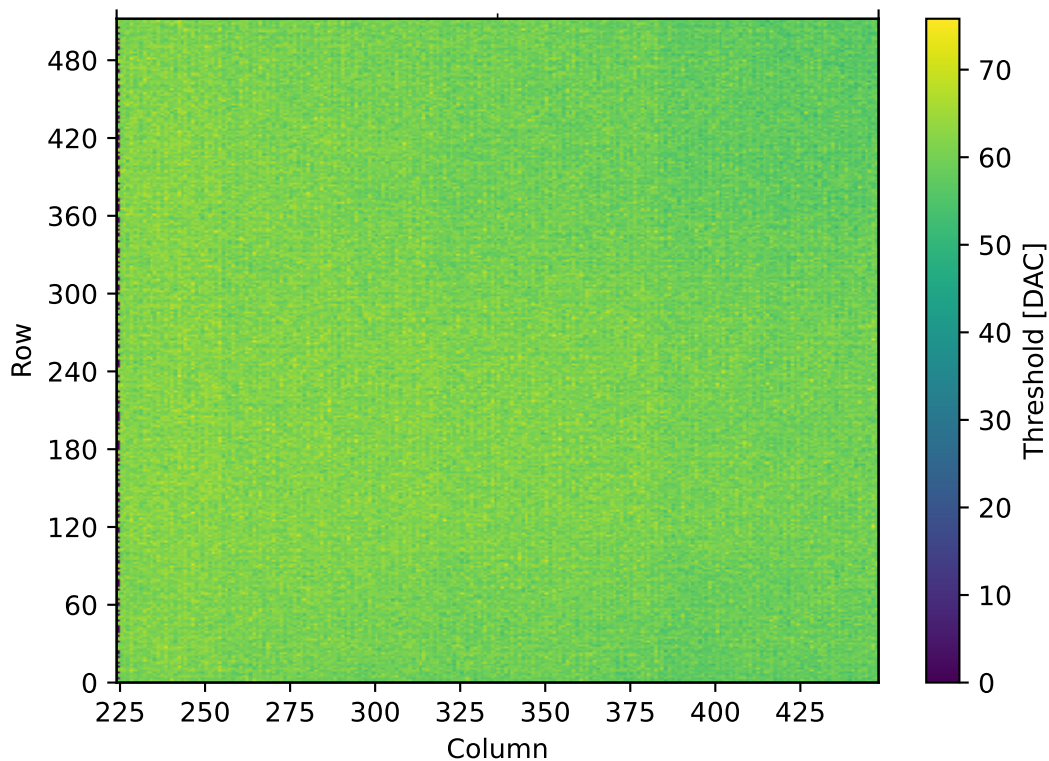
VH = 140, VL = 139..1 (step -1)



# Threshold map

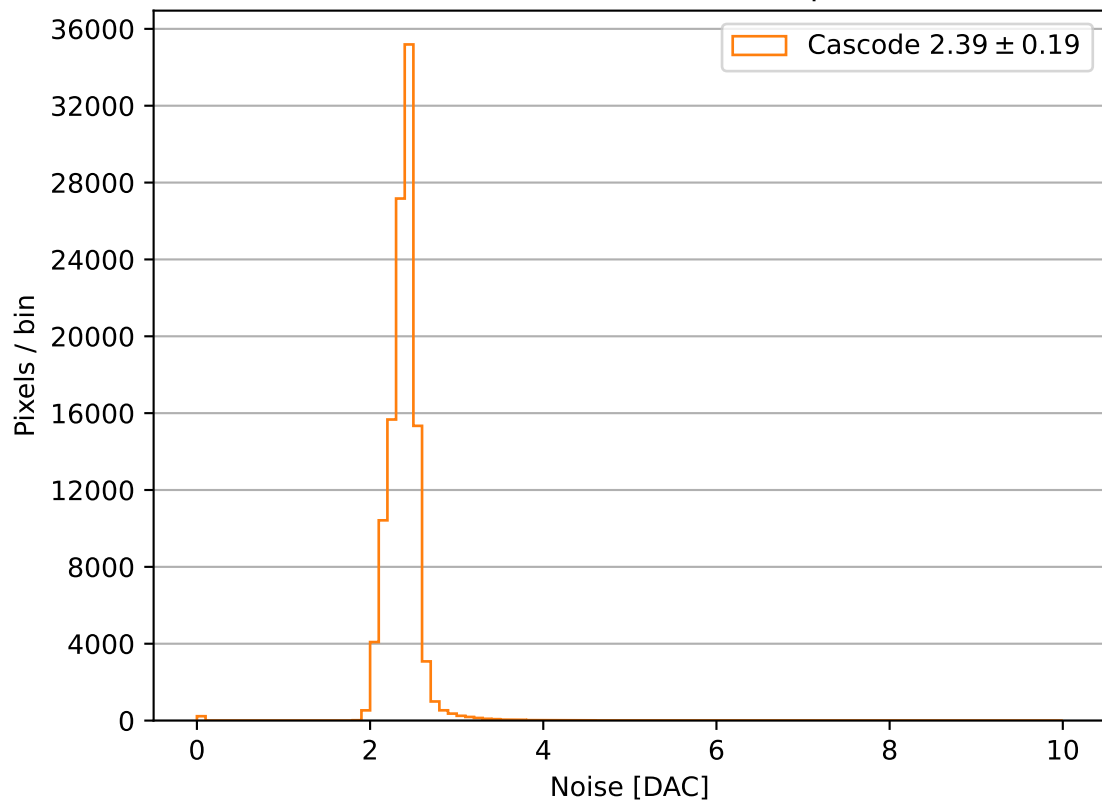
VH = 140, VL = 139..1 (step -1)

Cascode



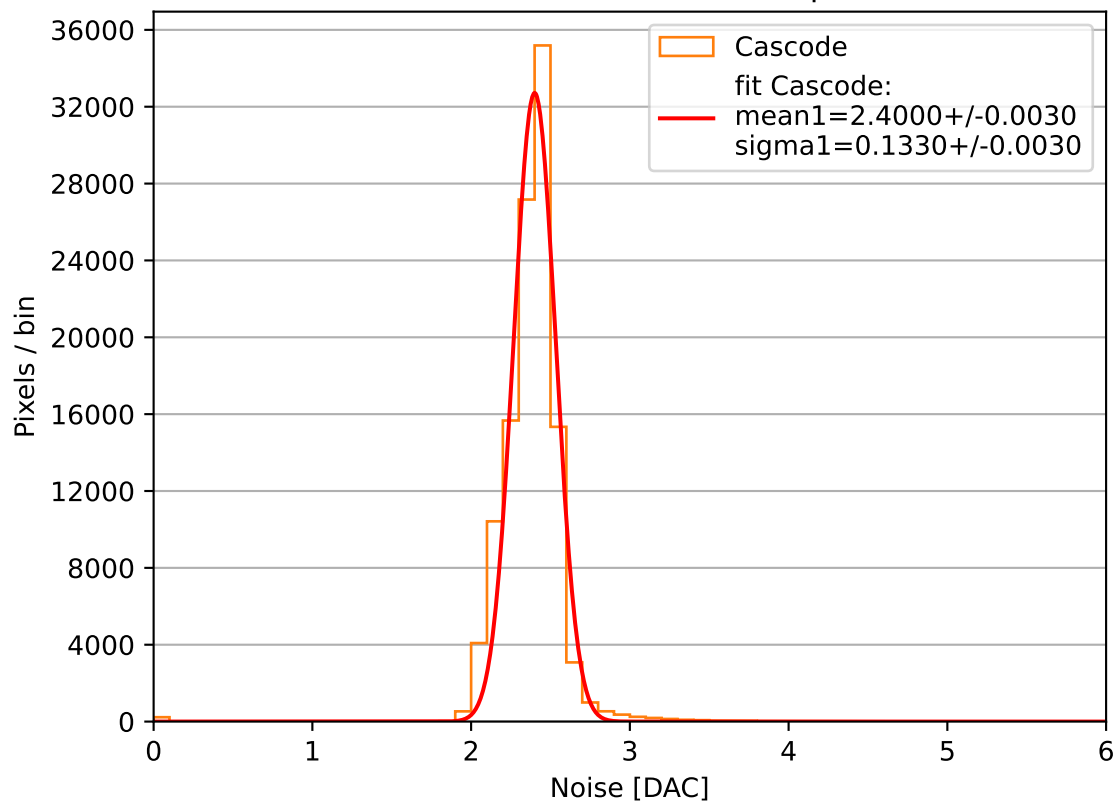
# Noise (width of s-curve slope) distribution

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



# Noise (width of s-curve slope) distribution

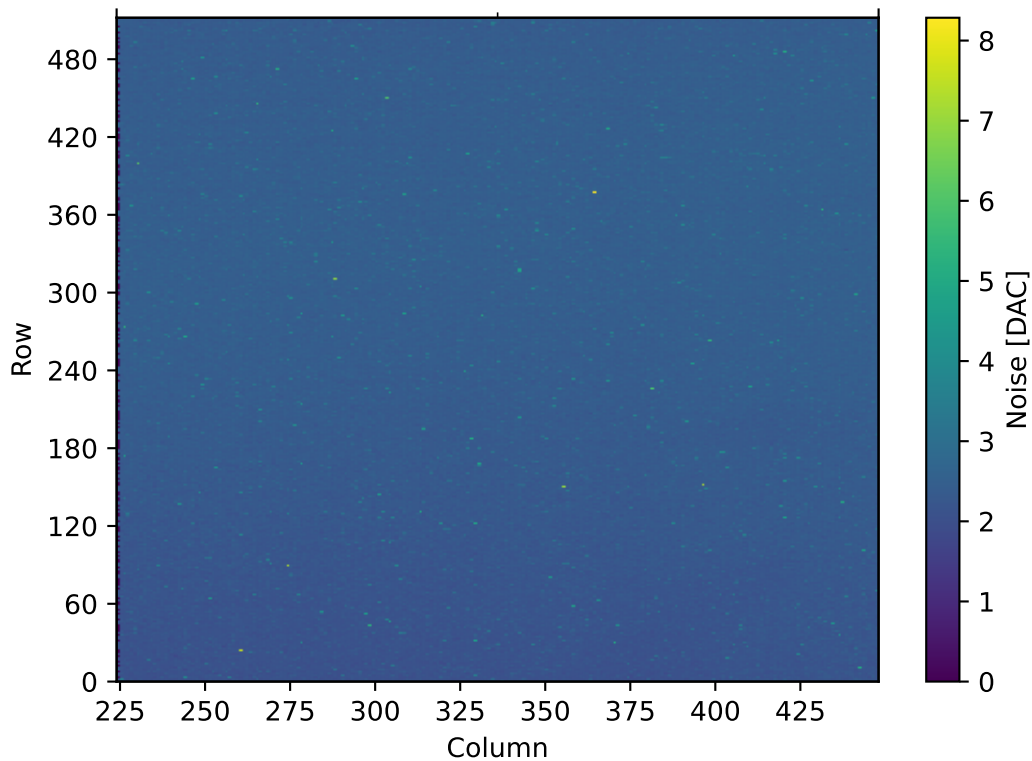
VH = 140, VL = 139..1 (step -1)



# Noise (width of s-curve slope) map

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

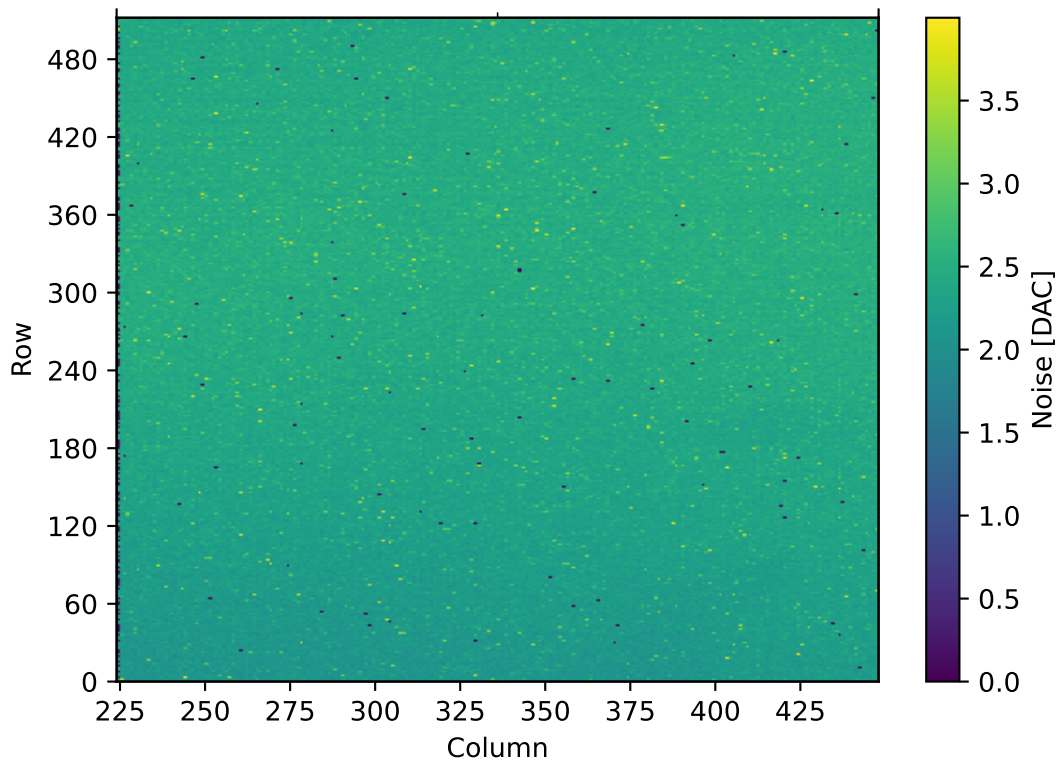
Cascode



# Noise (width of s-curve slope) map

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

Cascode





# Noise (width of s-curve slope) distribution

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

