

/mnt/c/Users/client/Desktop/tesi/tesi/Analisi/W14R12/threshold\_scan/all\_casc/  
200/20221010\_171000\_threshold\_scan\_interpreted.h5  
Chip = W14R12  
Script version = 75d1010

IBIAS = 50, ITHR = 64, ICASN = 0, IDB = 100, ITUNE = 53, VRESET = 143, VCASP =  
93, VCASC = 228, VCLIP = 255, VL = 2, VH = 200, ICOMP = 80, IDEL = 88, IRAM = 50

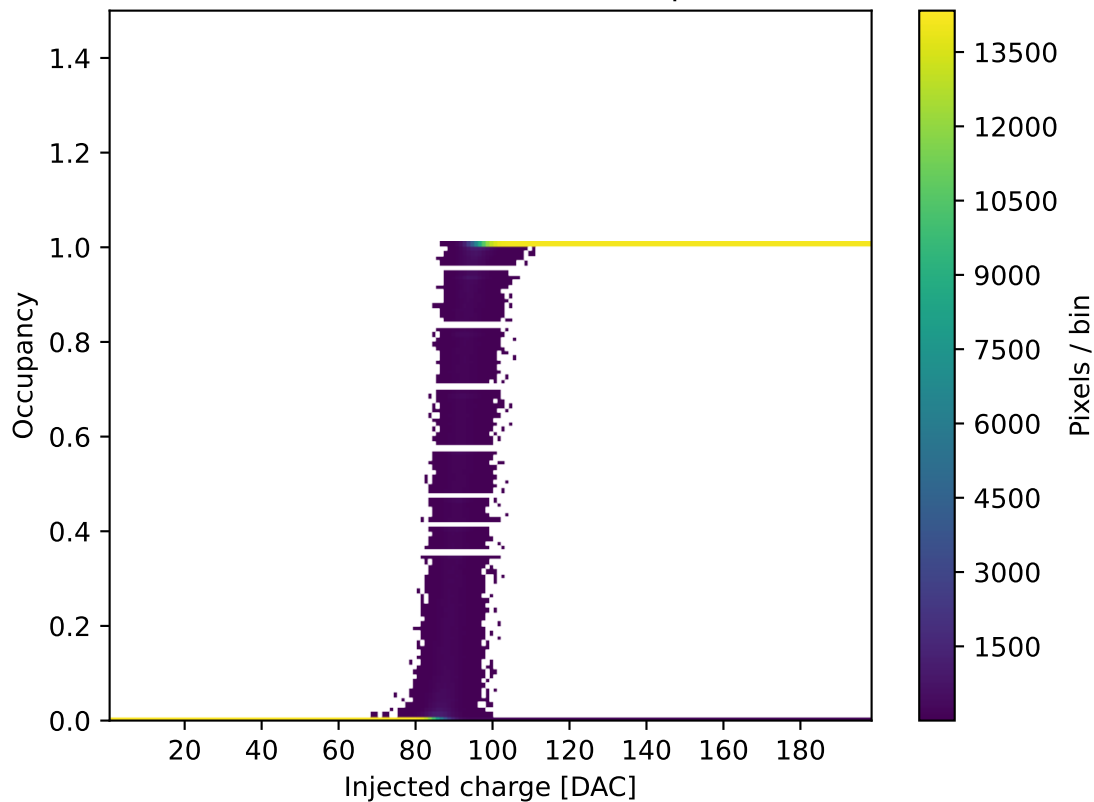
threshold\_scan

start\_column = 224, stop\_column = 252, start\_row = 0, stop\_row = 512,  
n\_injections = 100, VCAL\_HIGH = 200, VCAL\_LOW\_start = 199, VCAL\_LOW\_stop = 1,  
VCAL\_LOW\_step = -1

No noisy pixel found.

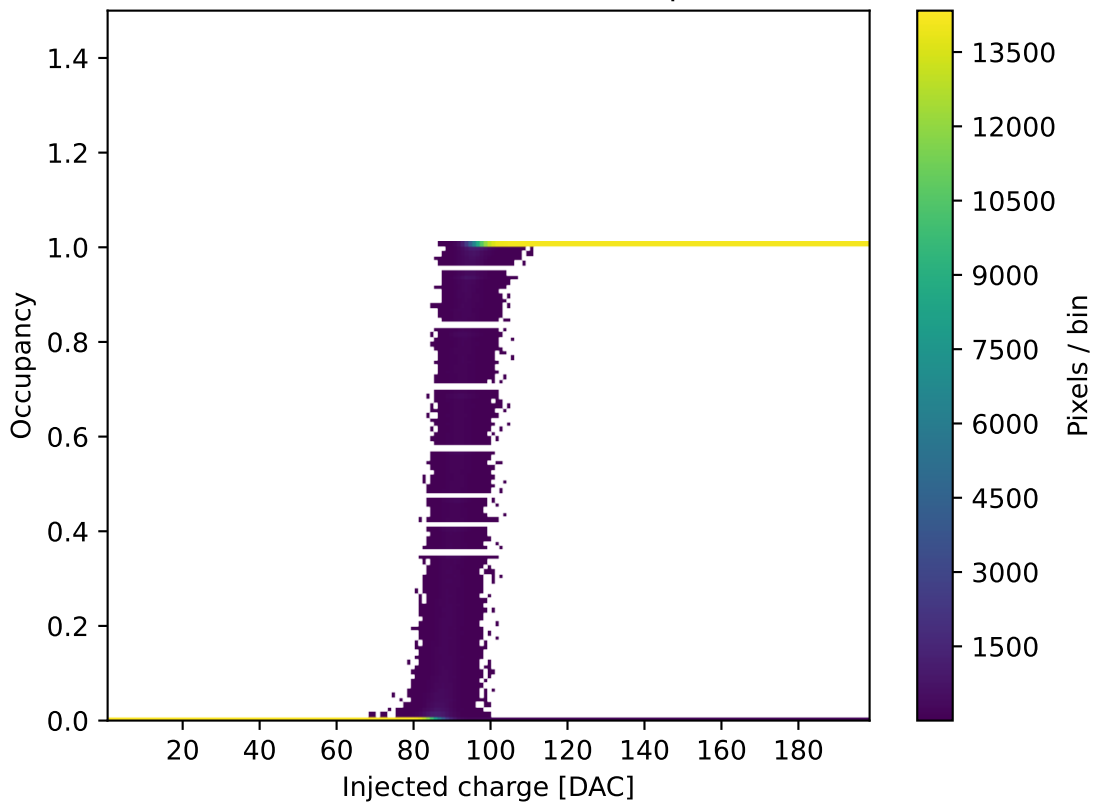
# S-Curve (All FEs)

VH = 200, VL = 199..1 (step -1)



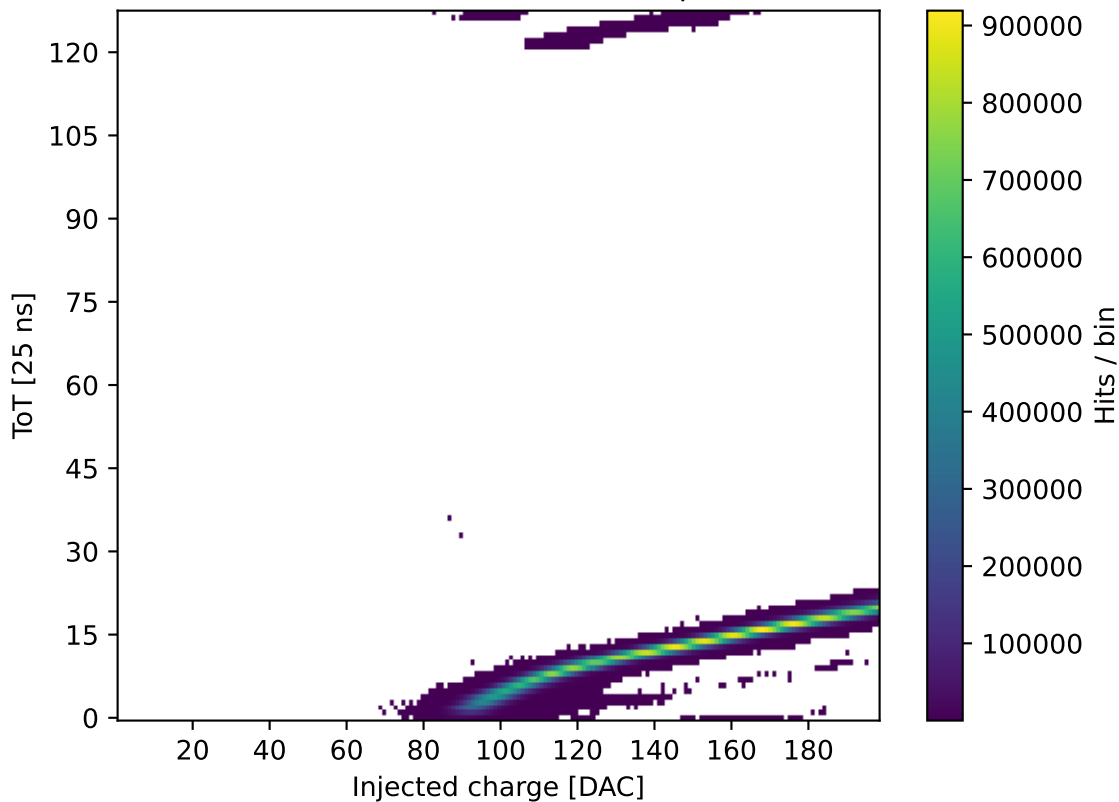
# S-Curve (Cascode)

VH = 200, VL = 199..1 (step -1)



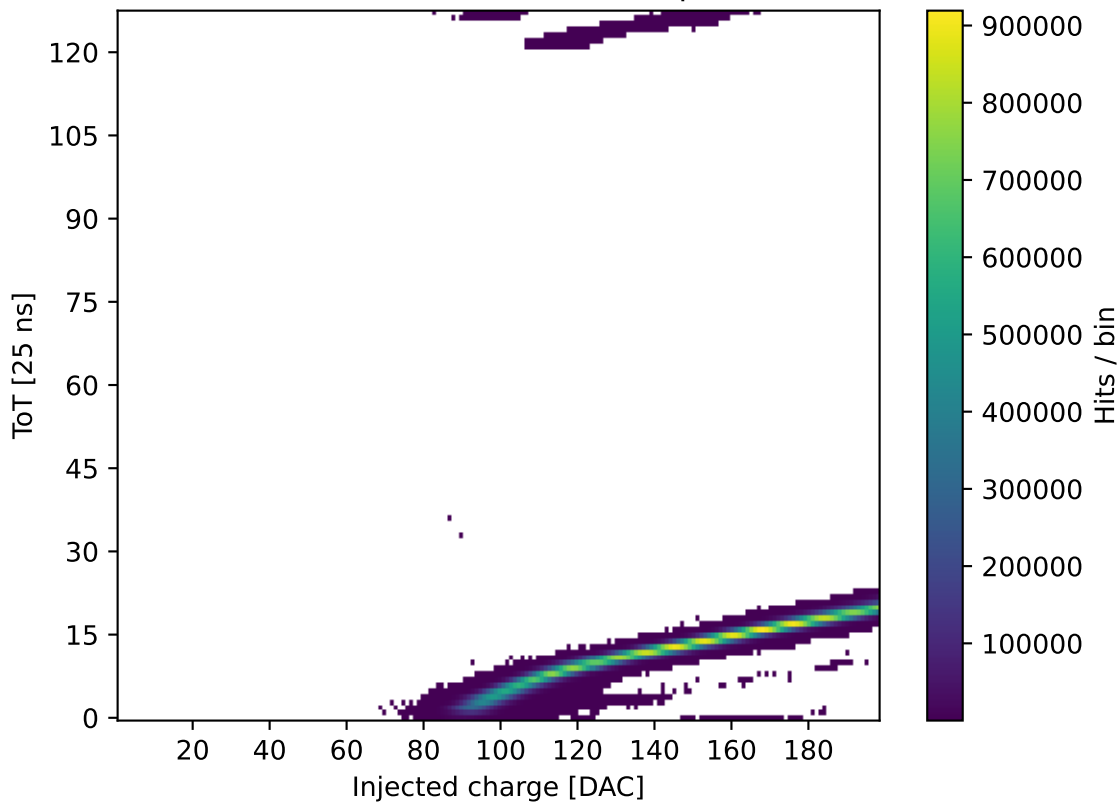
# ToT curve (All FEs)

VH = 200, VL = 199..1 (step -1)



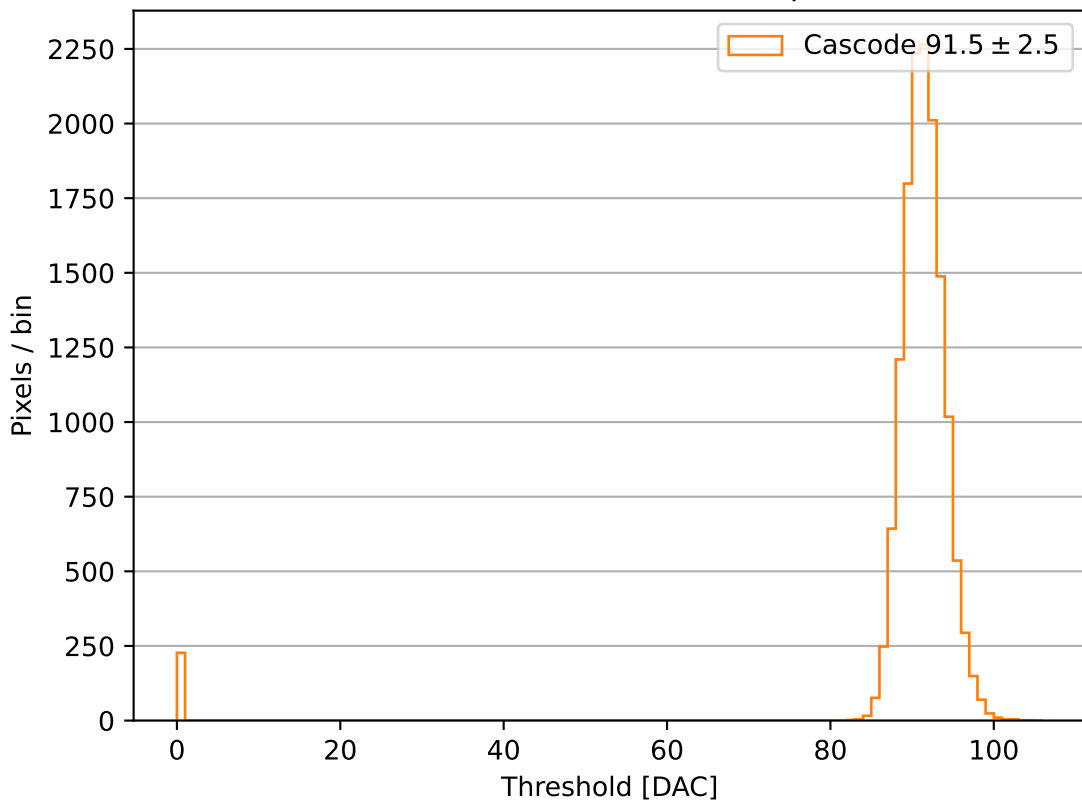
# ToT curve (Cascode)

VH = 200, VL = 199..1 (step -1)



# Threshold distribution

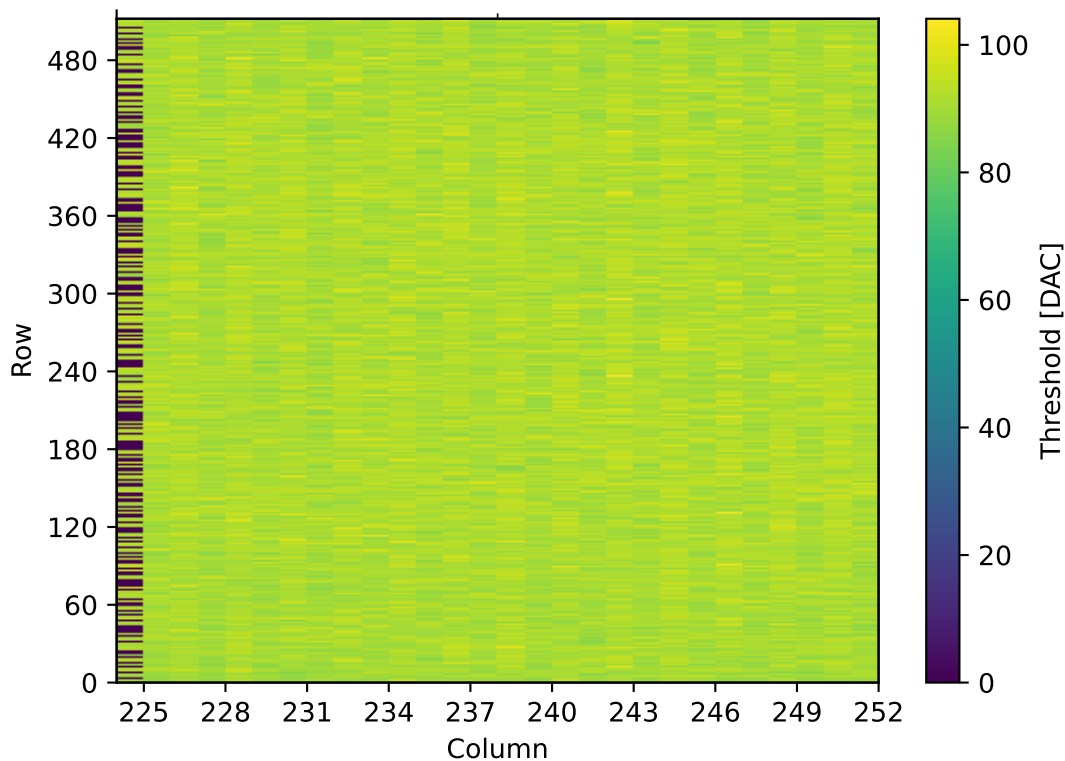
VH = 200, VL = 199..1 (step -1)



# Threshold map

VH = 200, VL = 199..1 (step -1)

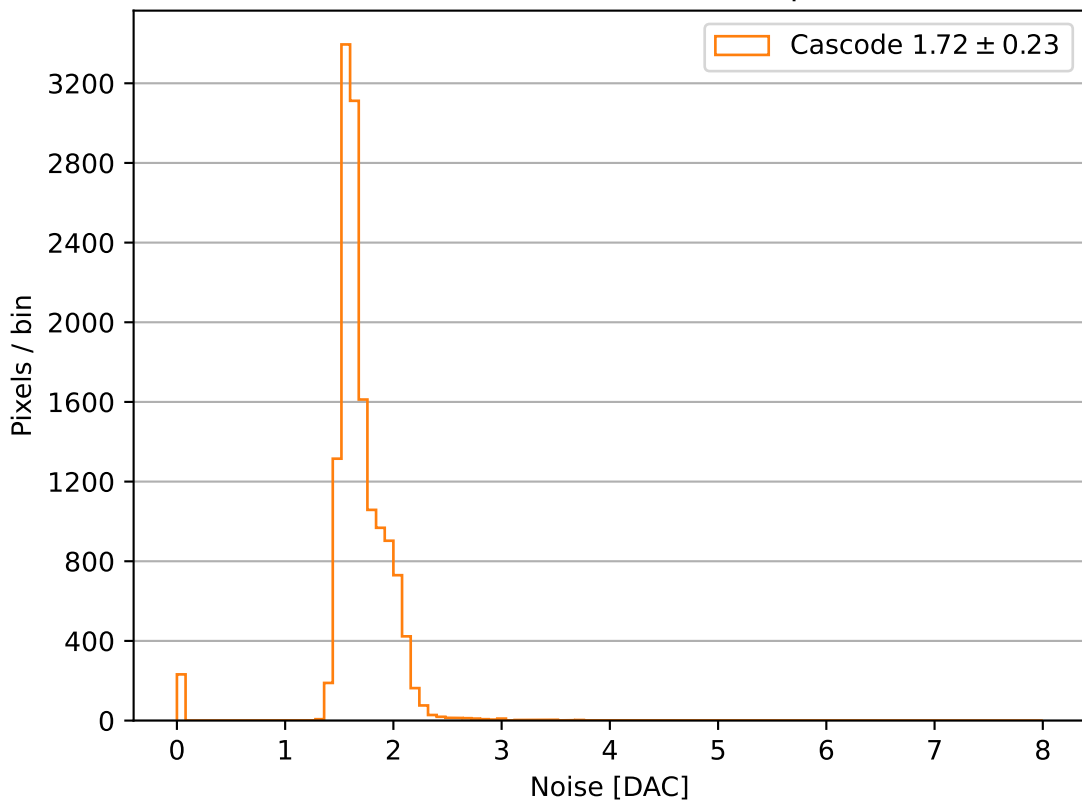
Cascode





# Noise (width of s-curve slope) distribution

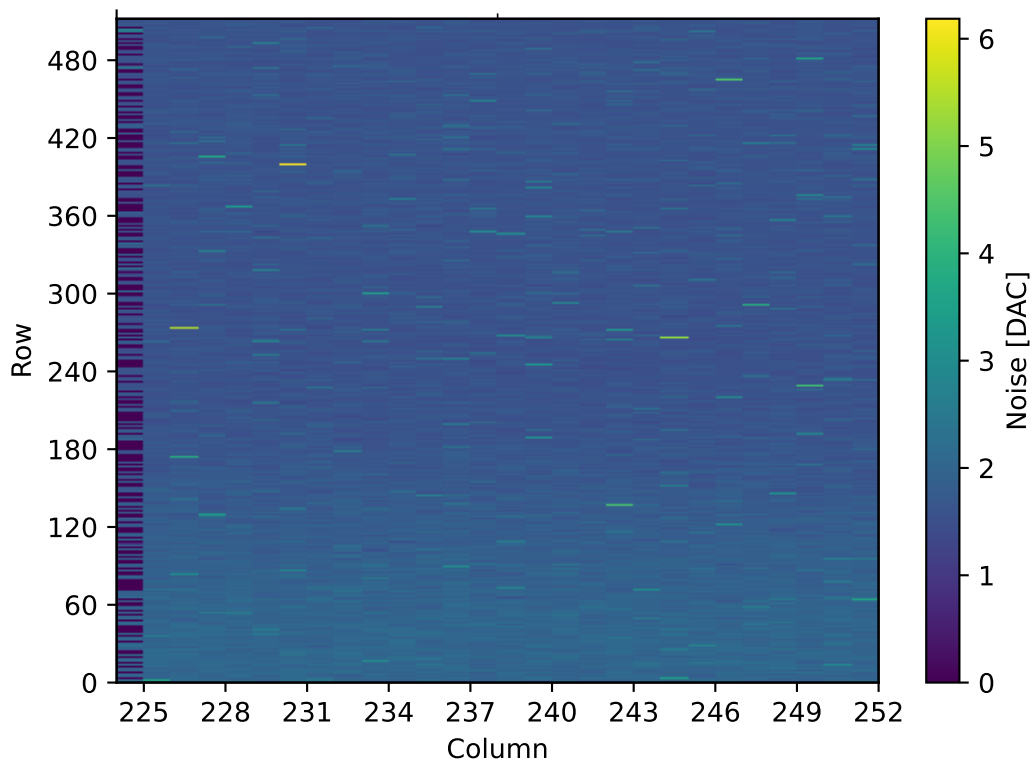
VH = 200, VL = 199..1 (step -1)



# Noise (width of s-curve slope) map

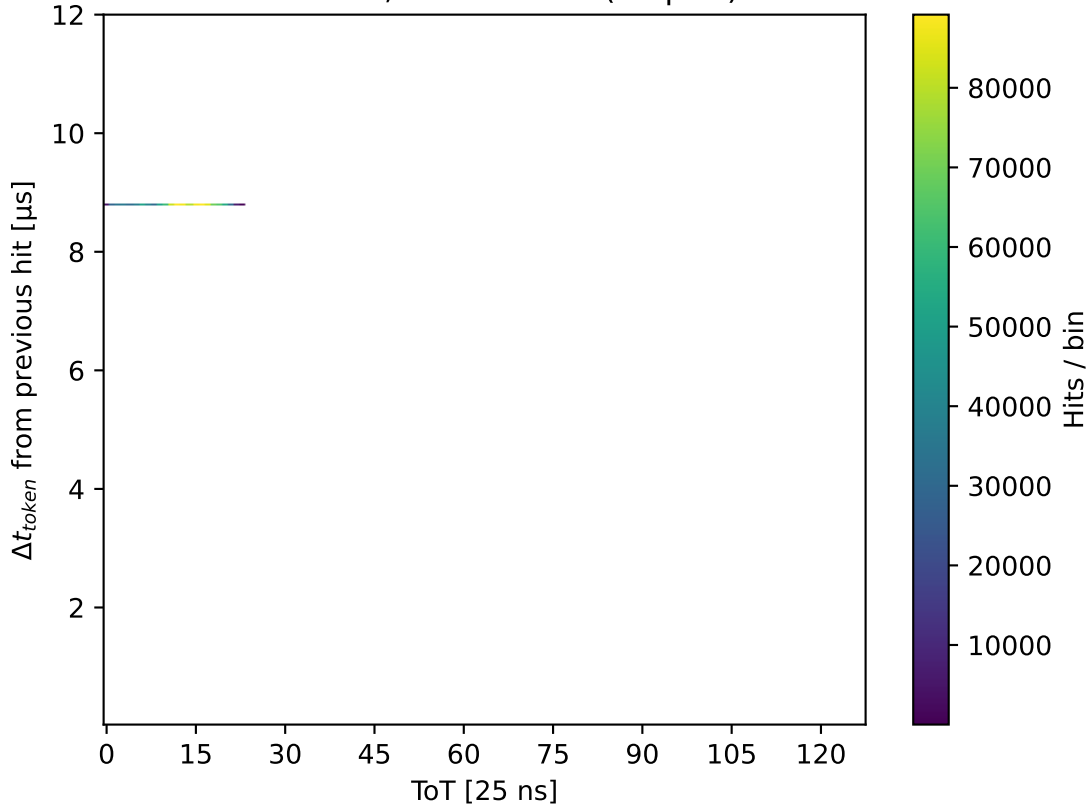
VH = 200, VL = 199..1 (step -1)

Cascode



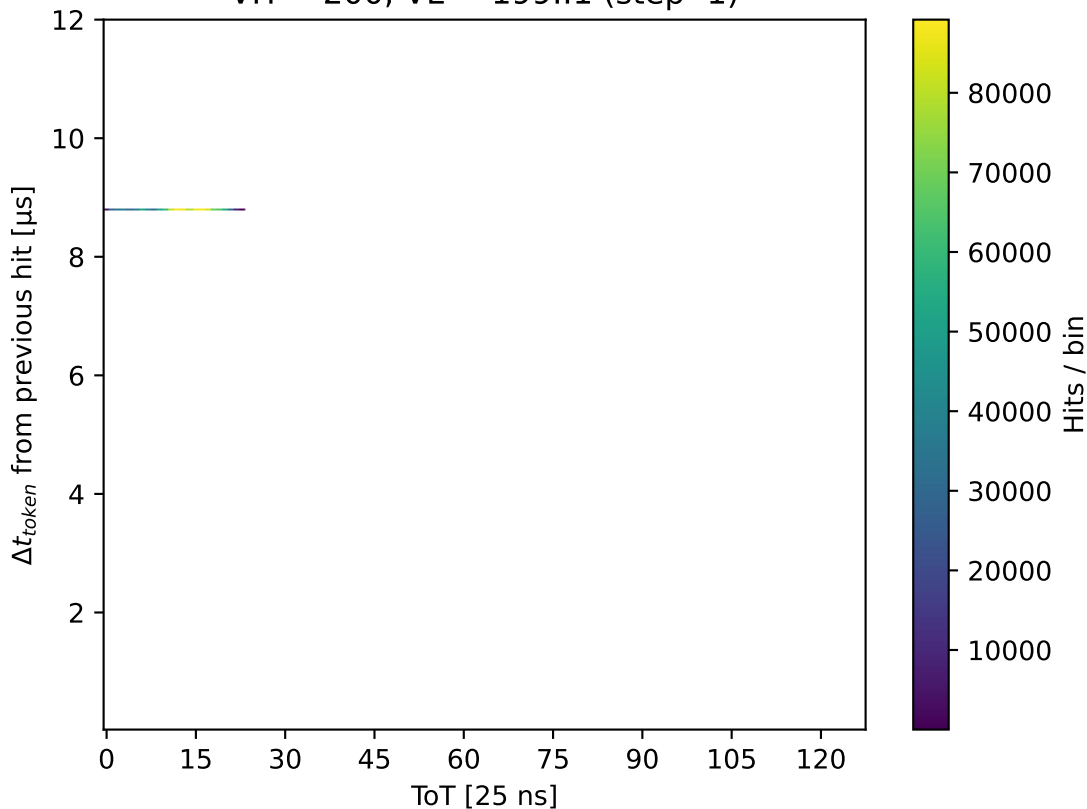
Time between hits (All FEs)

VH = 200, VL = 199..1 (step -1)



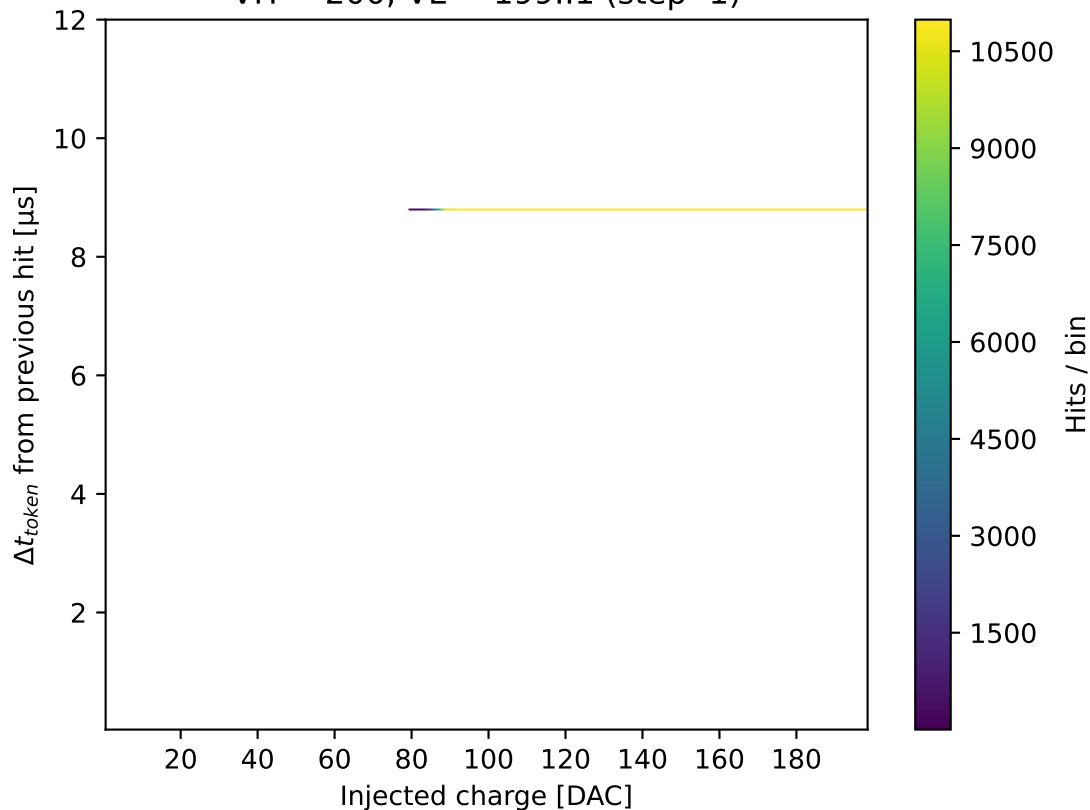
Time between hits (Cascode)

VH = 200, VL = 199..1 (step -1)



Time between hits (All FEs)

VH = 200, VL = 199..1 (step -1)



Time between hits (Cascode)

VH = 200, VL = 199..1 (step -1)

