

This file was generated by joining the following

20221011\_110840\_source\_scan\_interpreted.h5  
20221011\_113405\_source\_scan\_interpreted.h5  
20221011\_122440\_source\_scan\_interpreted.h5  
20221011\_124109\_source\_scan\_interpreted.h5  
20221011\_125911\_source\_scan\_interpreted.h5  
20221011\_132146\_source\_scan\_interpreted.h5

/mnt/c/Users/client/Desktop/tesi/tesi/Analysis/W14R12/source\_analysis/Fe55/  
20221011\_110840\_source\_scan\_interpreted.h5

Chip = W14R12

Script version = 7455cab

IBIAS = 60, ITHR = 30, ICASN = 8, IDB = 100, ITUNE = 53, VRESET = 100, VCASP =  
40, VCASC = 228, VCLIP = 255, VL = 64, VH = 115, ICOMP = 80, IDEL = 88, IRAM =  
50

source\_scan

start\_column = 448, stop\_column = 512, start\_row = 0, stop\_row = 512, scan\_time  
= 600

/mnt/c/Users/client/Desktop/tesi/tesi/Analysis/W14R12/source\_analysis/Fe55/  
20221011\_113405\_source\_scan\_interpreted.h5

Chip = W14R12

Script version = 7455cab

IBIAS = 60, ITHR = 30, ICASN = 8, IDB = 100, ITUNE = 53, VRESET = 100, VCASP =  
40, VCASC = 228, VCLIP = 255, VL = 64, VH = 115, ICOMP = 80, IDEL = 88, IRAM =  
50

source\_scan

start\_column = 448, stop\_column = 512, start\_row = 0, stop\_row = 512, scan\_time  
= 600

/mnt/c/Users/client/Desktop/tesi/tesi/Analysis/W14R12/source\_analysis/Fe55/  
20221011\_122440\_source\_scan\_interpreted.h5

Chip = W14R12

Script version = 7455cab

IBIAS = 60, ITHR = 30, ICASN = 8, IDB = 100, ITUNE = 53, VRESET = 100, VCASP =  
40, VCASC = 228, VCLIP = 255, VL = 64, VH = 115, ICOMP = 80, IDEL = 88, IRAM =  
50

source\_scan

start\_column = 448, stop\_column = 512, start\_row = 0, stop\_row = 512, scan\_time  
= 600

/mnt/c/Users/client/Desktop/tesi/tesi/Analysis/W14R12/source\_analysis/Fe55/  
20221011\_124109\_source\_scan\_interpreted.h5

Chip = W14R12

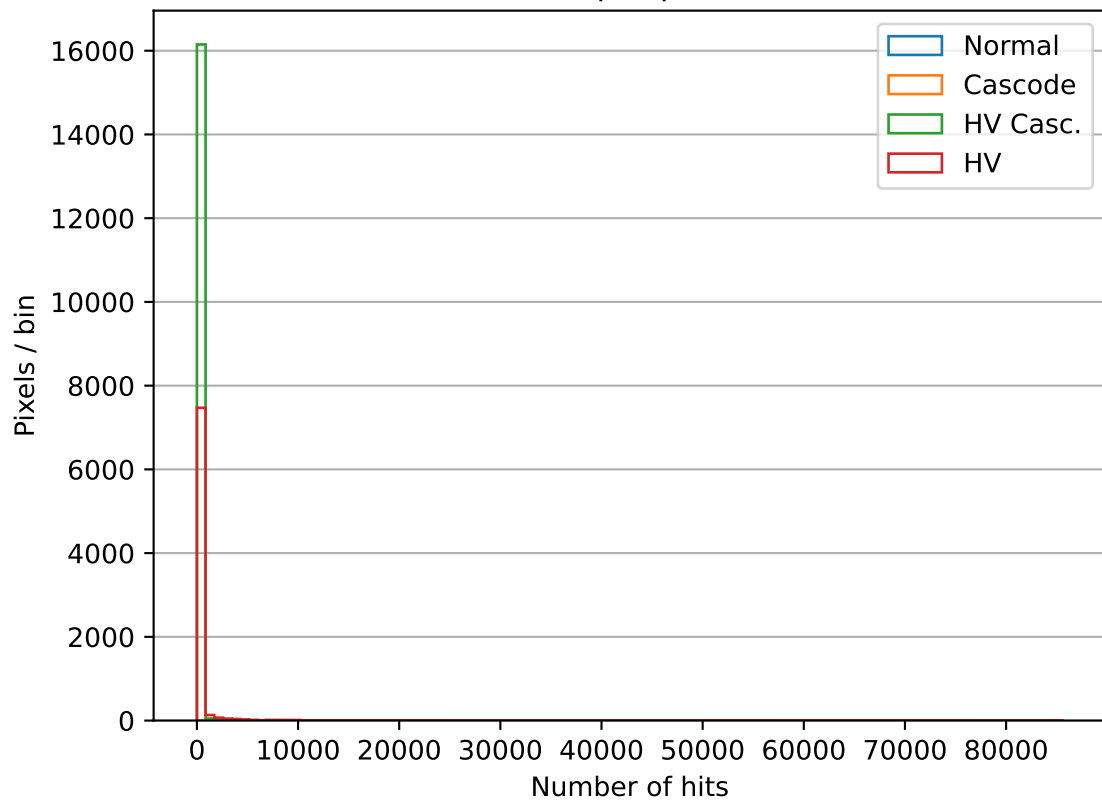
Script version = 7455cab

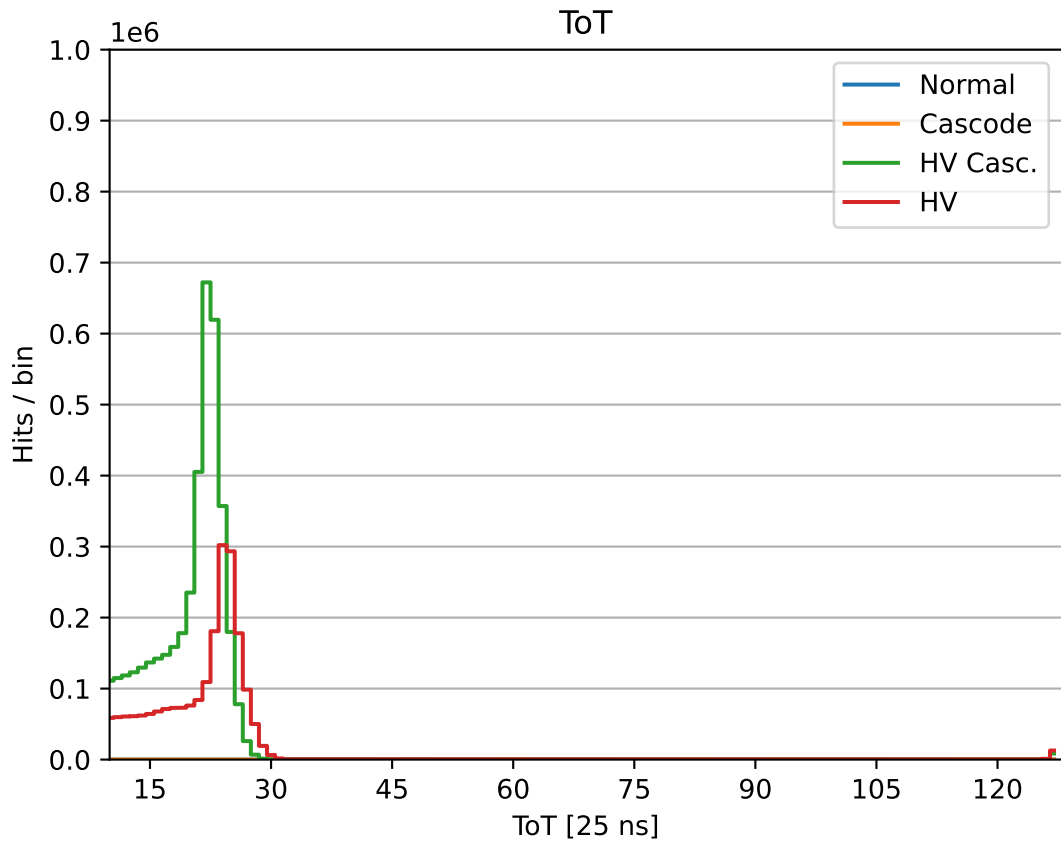
IBIAS = 60, ITHR = 30, ICASN = 8, IDB = 100, ITUNE = 53, VRESET = 100, VCASP =  
40, VCASC = 228, VCLIP = 255, VL = 64, VH = 115, ICOMP = 80, IDEL = 88, IRAM =  
50

source\_scan

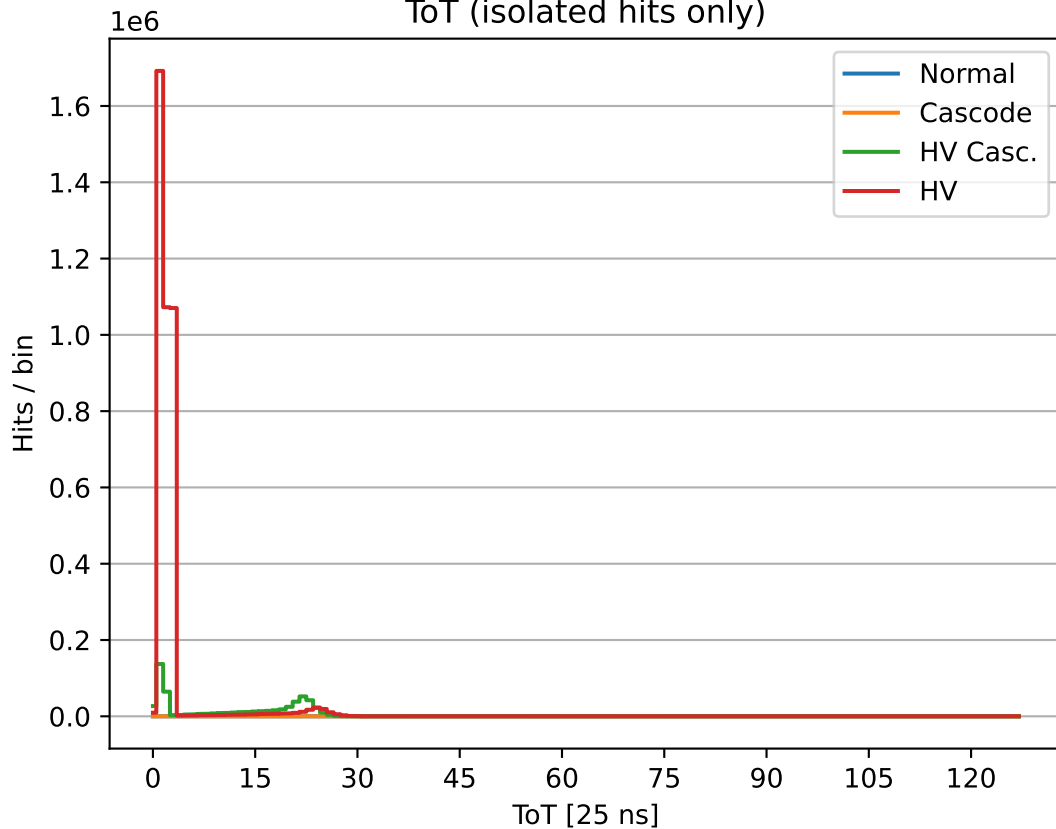
start\_column = 448, stop\_column = 512, start\_row = 0, stop\_row = 512, scan\_time  
= 600

Hits per pixel





# ToT (isolated hits only)



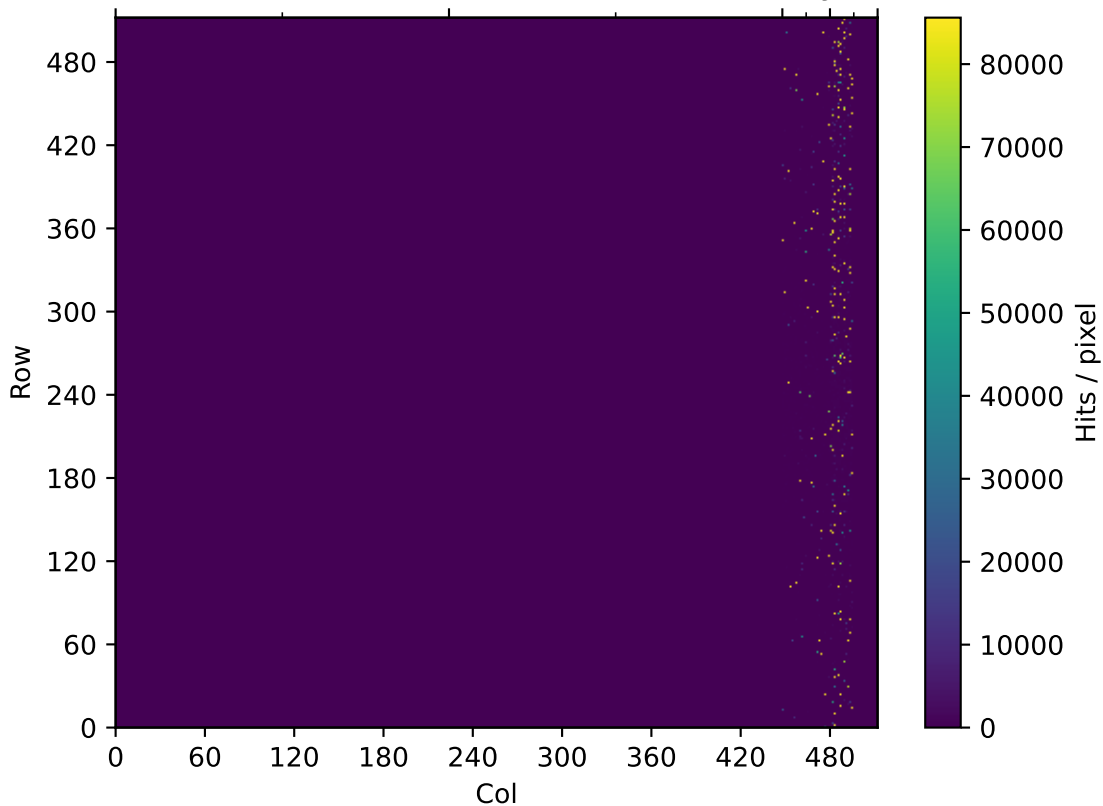


# Hit map

Normal

Cascode

HV<sub>C</sub>HV

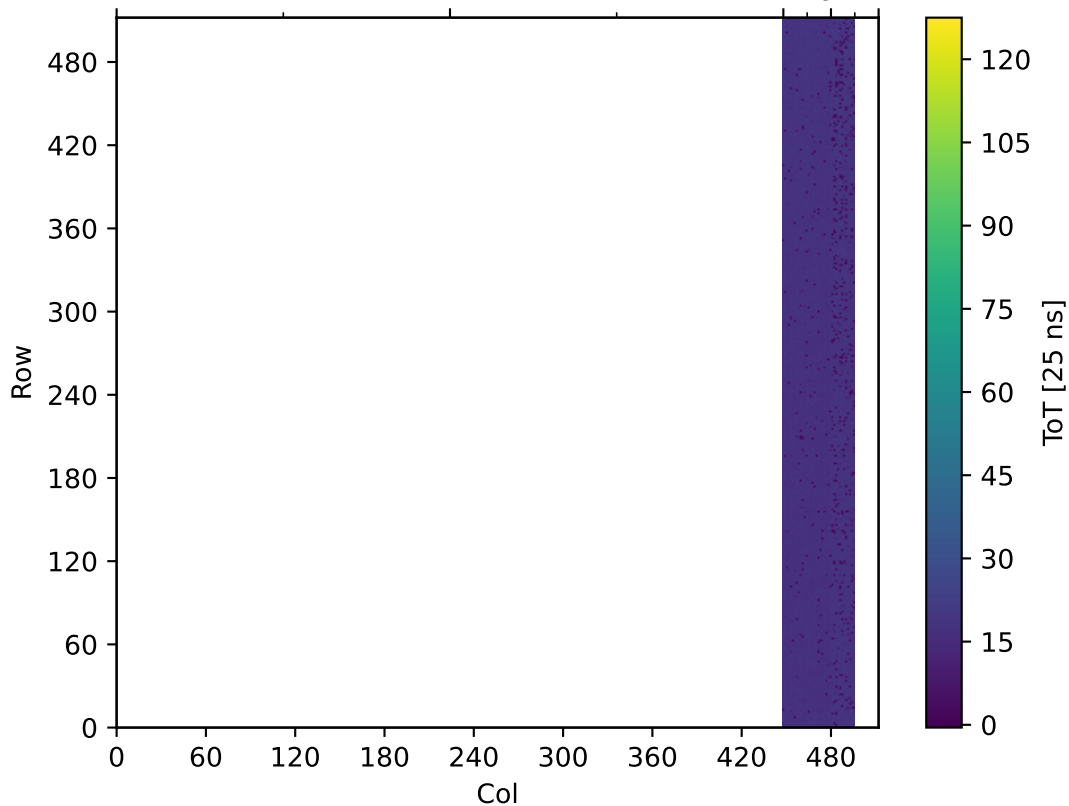


# Average ToT map

Normal

Cascode

HV<sub>C</sub>HV



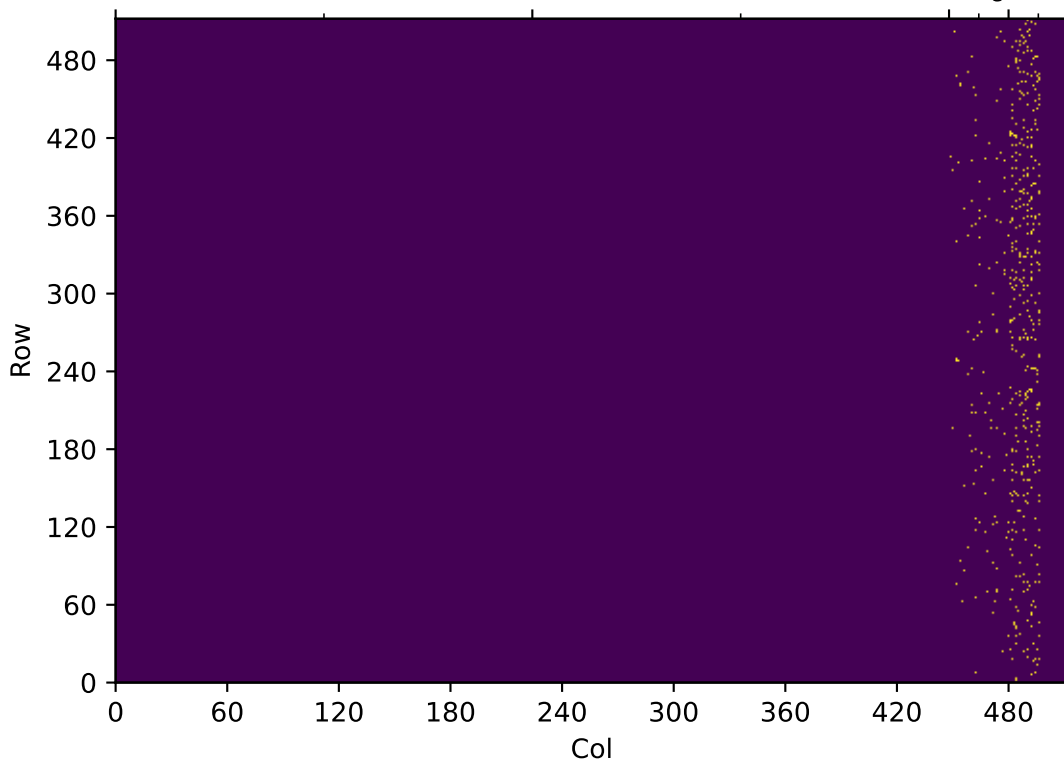
Noisy pixels in yellow (ignore this plot if source was used)

Noisy means rate  $> 1$  Hz

Normal

Cascode

HV<sub>C</sub> HV



# Hit map in 16x16 regions for source positioning

