```
/mnt/c/Users/client/Desktop/tesi/tesi/Analisi/W14R12/threshold scan/all casc/
200/20221010_174034_threshold_scan_interpreted.h5
                  Chip = W14R12
```

Script version = 75d1010

IBIAS = 50, ITHR = 64, ICASN = 0, IDB = 100, ITUNE = 53, VRESET = 143, VCASP = 10093, VCASC = 228, VCLIP = 255, VL = 2, VH = 200, ICOMP = 80, IDEL = 88, IRAM = 50

threshold scan start column = 252, stop column = 280, start row = 0, stop row = 512, n injections = 100, VCAL HIGH = 200, VCAL LOW start = 199, VCAL LOW stop = 1, VCAL LOW step = -1



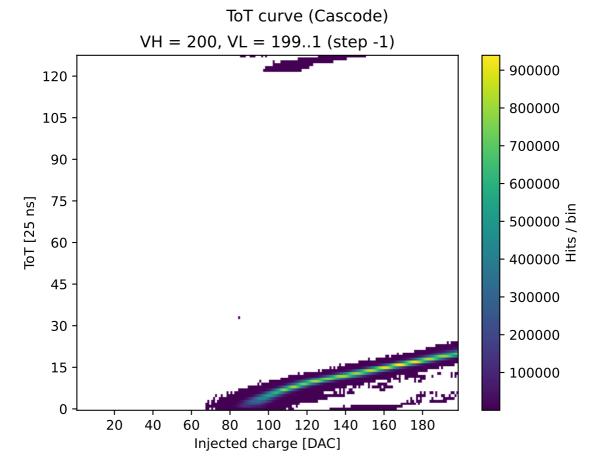
S-Curve (All FEs) VH = 200, VL = 199..1 (step -1) 13500 1.4 12000 1.2 10500 1.0 9000 Pixels / bin 8.0 7500 6000 0.6 4500 0.4 3000 0.2 1500 0.0 20 40 60 80 120 160 180 100 140

Injected charge [DAC]

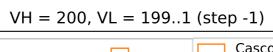
Occupancy

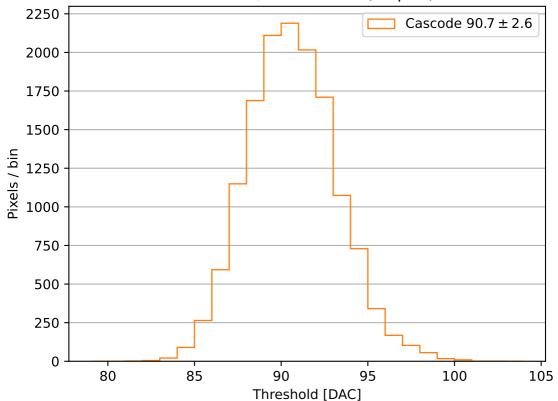
S-Curve (Cascode) VH = 200, VL = 199..1 (step -1) 13500 1.4 12000 1.2 10500 1.0 9000 Occupancy Pixels / bin 8.0 7500 6000 0.6 4500 0.4 3000 0.2 1500 0.0 20 40 60 80 120 160 180 100 140 Injected charge [DAC]

ToT curve (All FEs) VH = 200, VL = 199..1 (step -1) ToT [25 ns] 500000 uiq / siji 400000 Hitz / pii Injected charge [DAC]



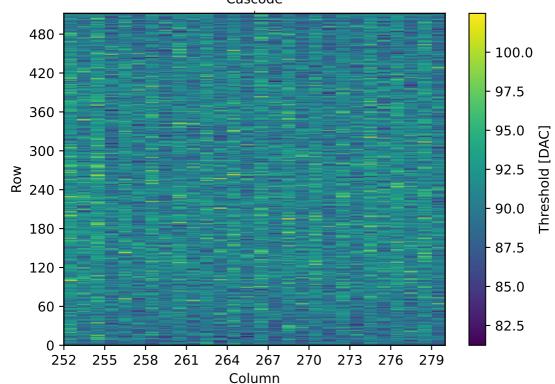
Threshold distribution





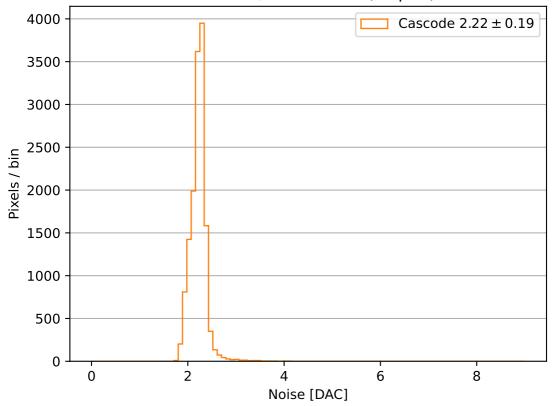
Threshold map

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



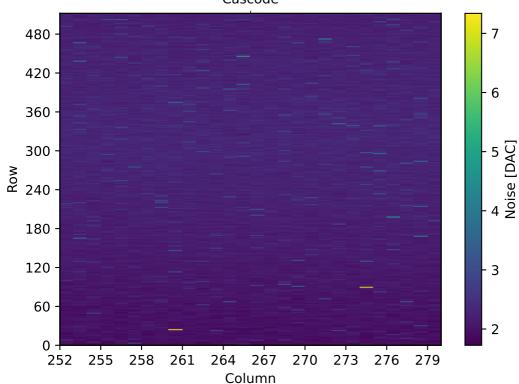
Noise (width of s-curve slope) distribution

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) Δt_{token} from previous hit [µs] 50000 E 40000 H ToT [25 ns]

Time between hits (Cascode) VH = 200, VL = 199..1 (step -1) Δt_{token} from previous hit [µs] 50000 E 40000 H ToT [25 ns]

Time between hits (All FEs) VH = 200, VL = 199..1 (step -1) Δt_{token} from previous hit [µs] Injected charge [DAC]

