

/mnt/c/Users/client/Desktop/tesi/tesi/Analysis/W14R12/threshold_scan/all_HV/200/
20221007_110853_threshold_scan_interpreted.h5

Chip = W14R12

Script version = 915a739

IBIAS = 60, ITHR = 30, ICASN = 8, IDB = 100, ITUNE = 53, VRESET = 100, VCASP =
40, VCASC = 228, VCLIP = 255, VL = 2, VH = 200, ICOMP = 80, IDEL = 88, IRAM = 50

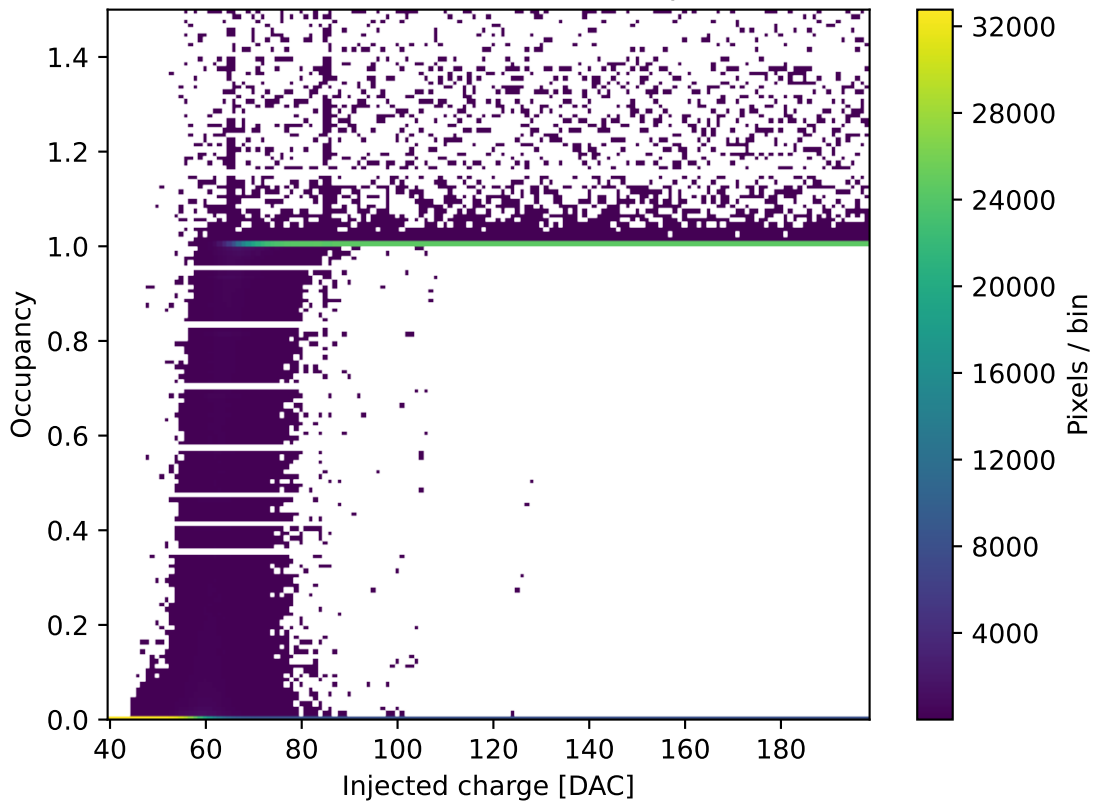
threshold_scan

start_column = 448, stop_column = 512, start_row = 0, stop_row = 512,
n_injections = 100, VCAL_HIGH = 200, VCAL_LOW_start = 160, VCAL_LOW_stop = 1,
VCAL_LOW_step = -1

145.8
 (476, 24) = 132.6, (494, 442) = 117.5, (483, 340) = 116.5, (479, 183) = 106.8
 (483, 2) = 106.2, (474, 53) = 105.2, (461, 126) = 96.3, (476, 211) = 86.1
 (467, 155) = 86.0, (465, 302) = 84.5, (494, 482) = 77.8, (452, 248) = 75.7
 (467, 91) = 74.8, (481, 257) = 74.7, (469, 372) = 65.5, (468, 101) = 65.3
 (459, 79) = 61.3, (484, 461) = 46.5, (449, 474) = 39.7, (465, 223) = 39.2
 (493, 332) = 36.2, (448, 351) = 29.8, (456, 363) = 29.5, (464, 61) = 29.4
 (487, 16) = 28.6, (471, 54) = 25.9, (492, 63) = 24.7, (455, 96) = 21.8
 (487, 452) = 20.1, (495, 466) = 20.1, (473, 17) = 18.0, (491, 240) = 17.0
 (493, 327) = 15.4, (451, 373) = 15.4, (480, 83) = 14.6, (471, 370) = 13.5
 (487, 395) = 11.8, (495, 318) = 11.4, (495, 93) = 11.4, (481, 394) = 11.0
 (489, 510) = 10.9, (481, 118) = 9.4, (485, 491) = 9.2, (483, 402) = 8.4
 (453, 85) = 8.3, (483, 480) = 8.0, (448, 13) = 7.6, (493, 117) = 7.2
 (477, 378) = 7.0, (493, 106) = 6.3, (451, 76) = 6.1, (491, 342) = 5.8
 (487, 292) = 5.5, (493, 105) = 5.5, (483, 160) = 5.5, (477, 175) = 5.3
 (494, 183) = 5.3, (481, 98) = 4.9, (487, 78) = 4.8, (483, 223) = 4.8
 (495, 279) = 4.4, (473, 448) = 4.1, (483, 82) = 3.9, (491, 414) = 3.9
 (491, 450) = 3.8, (453, 461) = 3.8, (483, 330) = 3.7, (489, 302) = 3.5
 (485, 221) = 3.5, (480, 307) = 3.4, (493, 402) = 3.4, (453, 145) = 3.3
 (493, 470) = 3.1, (495, 340) = 3.1, (489, 396) = 2.9, (494, 14) = 2.9
 (481, 200) = 2.9, (475, 501) = 2.8, (492, 171) = 2.7, (491, 120) = 2.6
 (471, 456) = 2.6, (494, 467) = 2.6, (489, 308) = 2.5, (491, 328) = 2.5

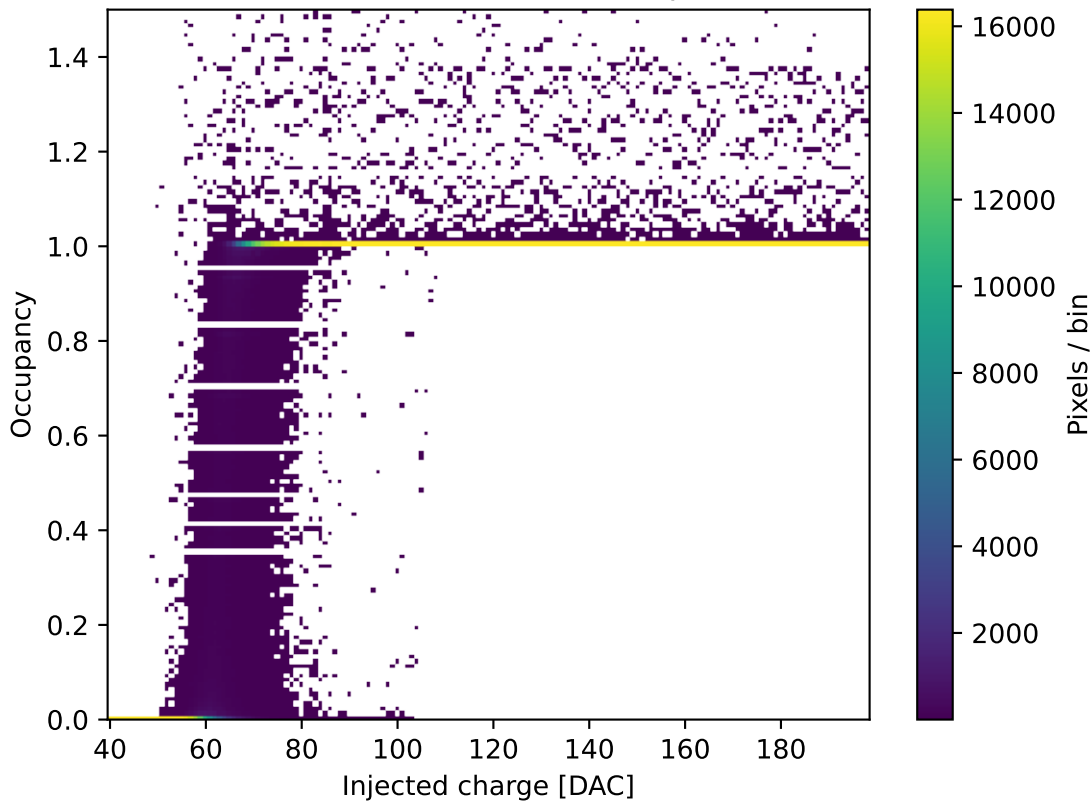
S-Curve (All FEs)

VH = 200, VL = 160..1 (step -1)



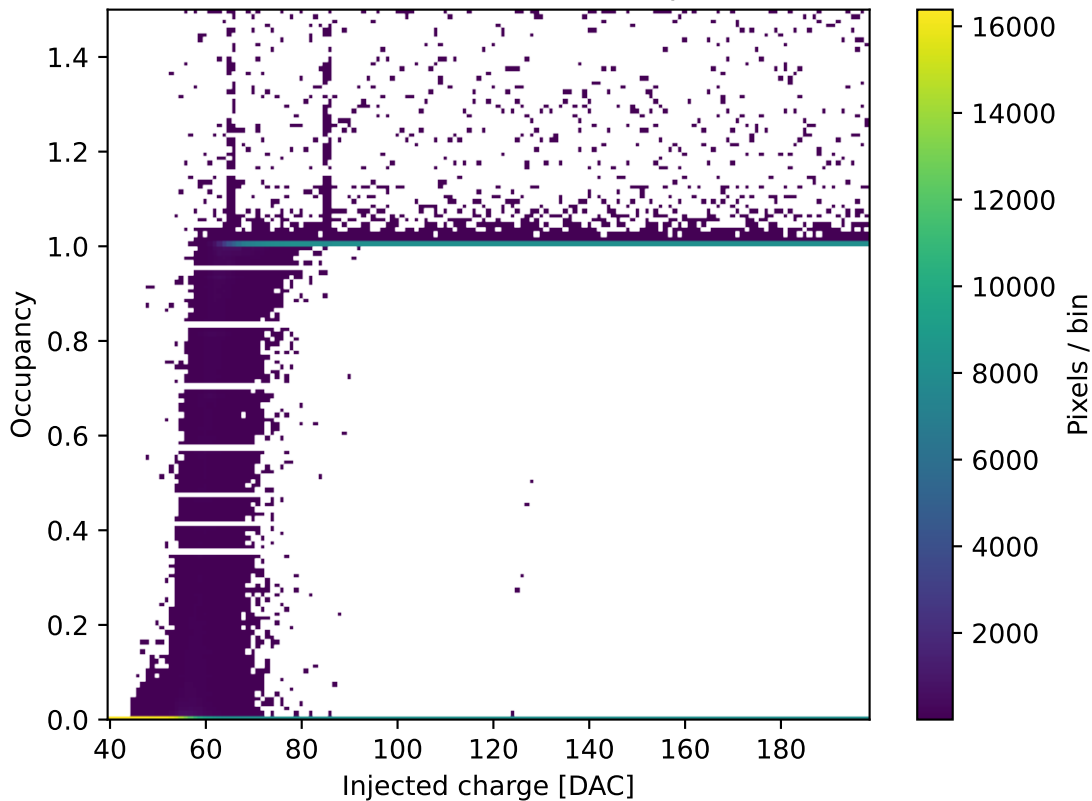
S-Curve (HV Casc.)

VH = 200, VL = 160..1 (step -1)



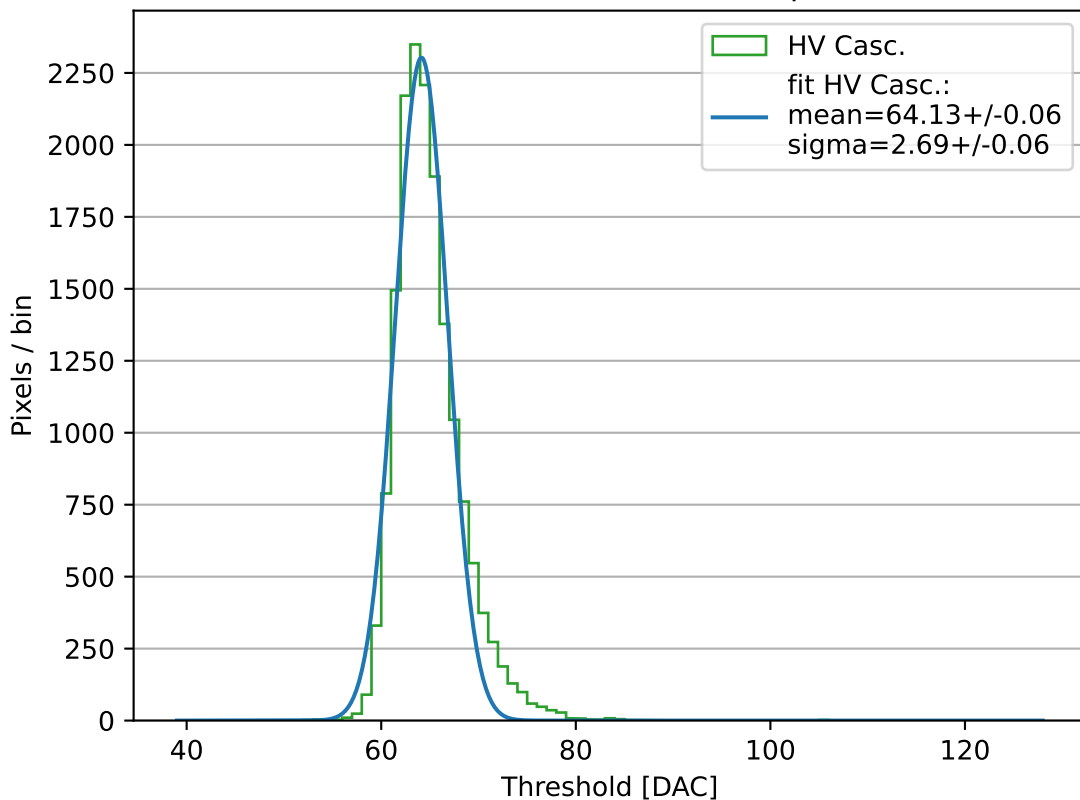
S-Curve (HV)

VH = 200, VL = 160..1 (step -1)



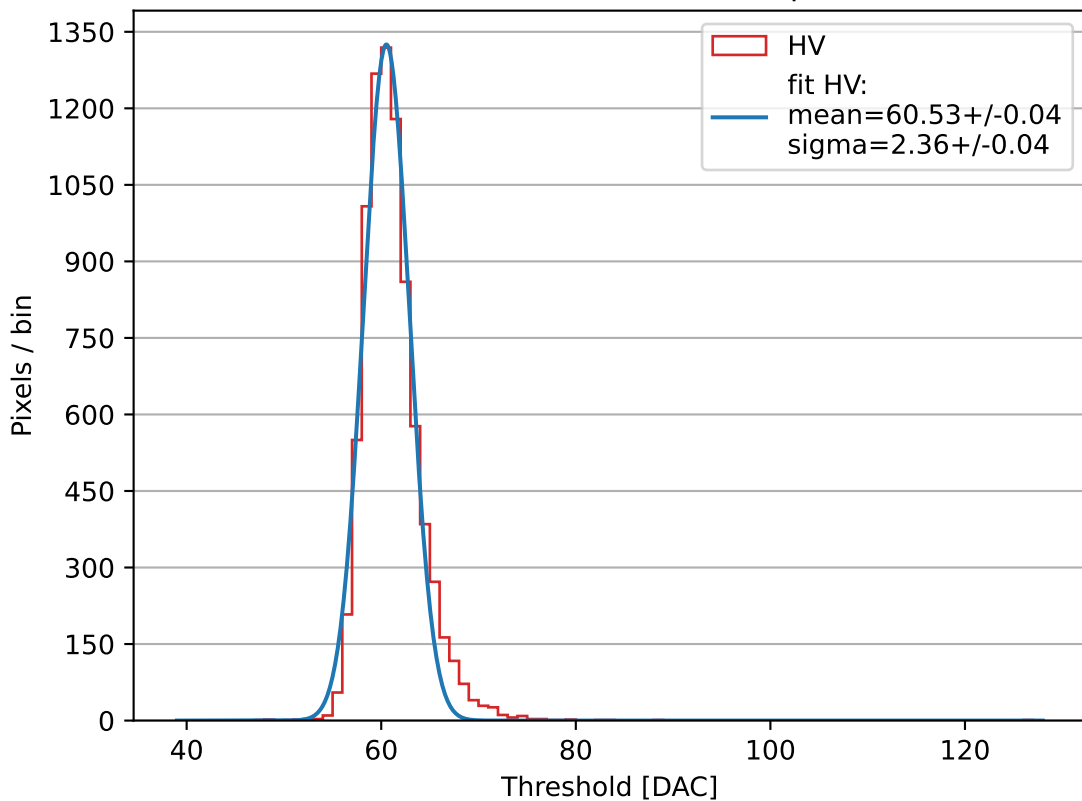
Threshold distribution (HV Casc.)

VH = 200, VL = 160..1 (step -1)



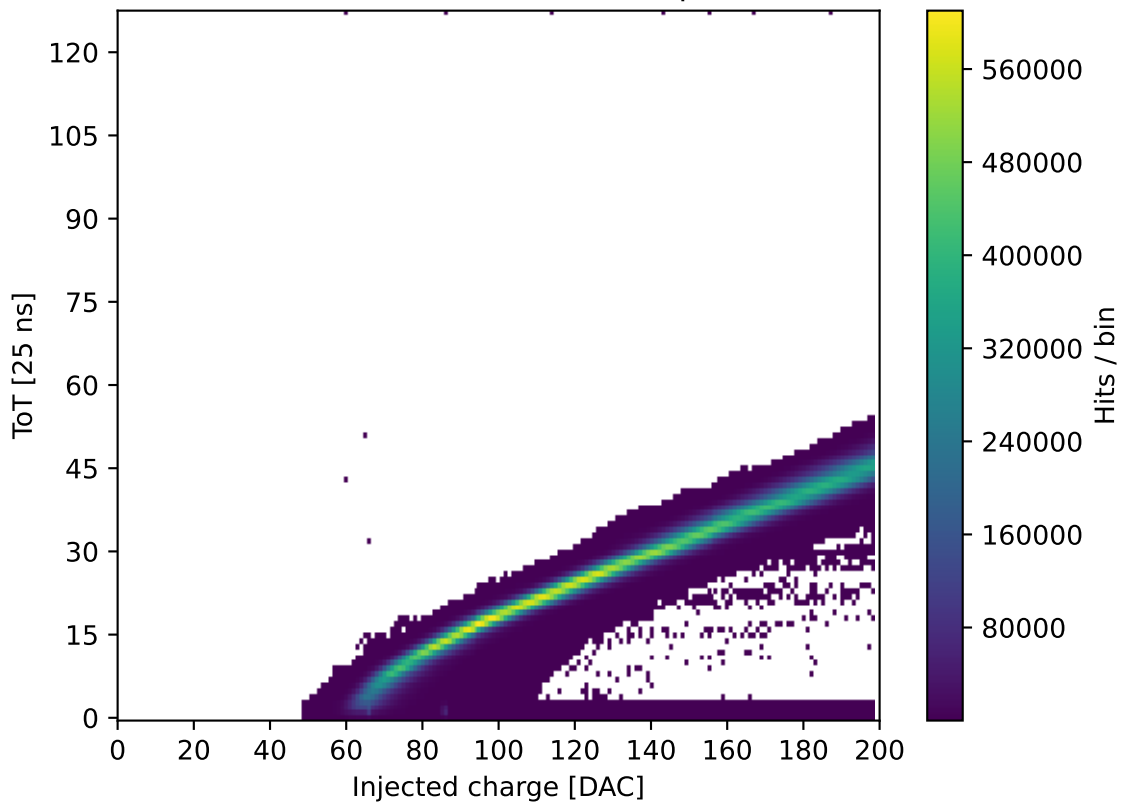
Threshold distribution (HV)

VH = 200, VL = 160..1 (step -1)

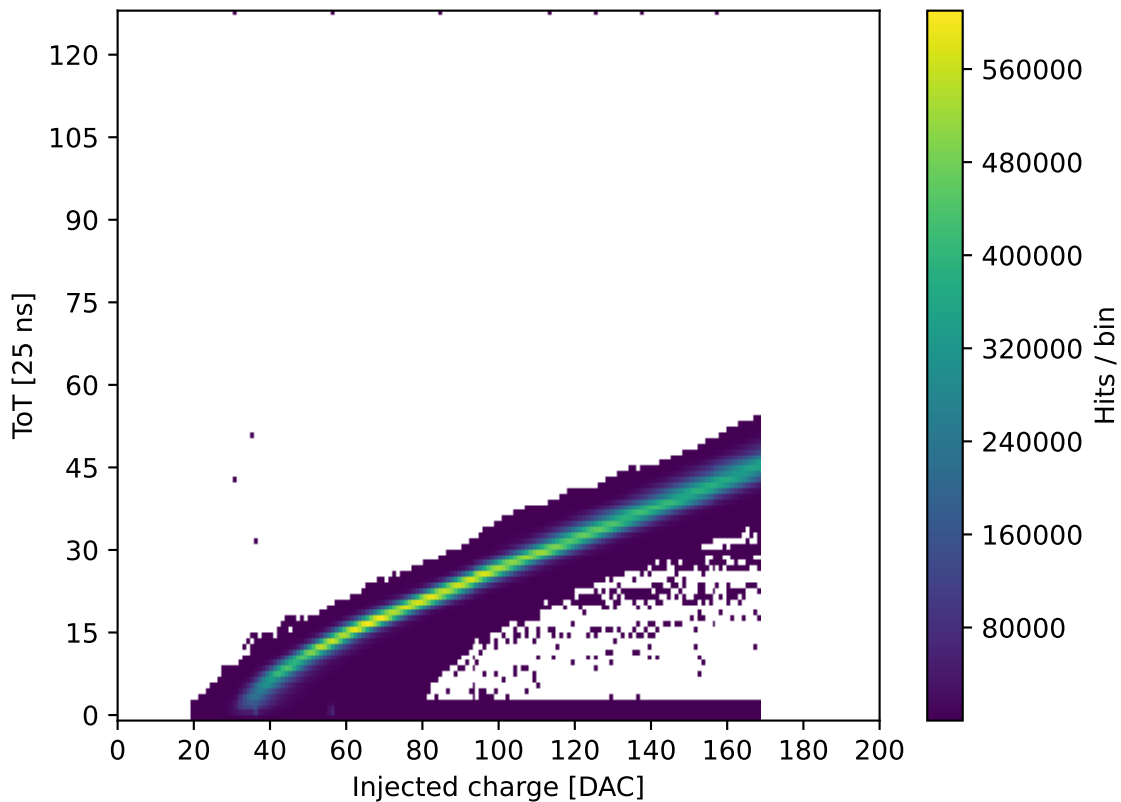


ToT curve (HV Casc.)

VH = 200, VL = 160..1 (step -1)

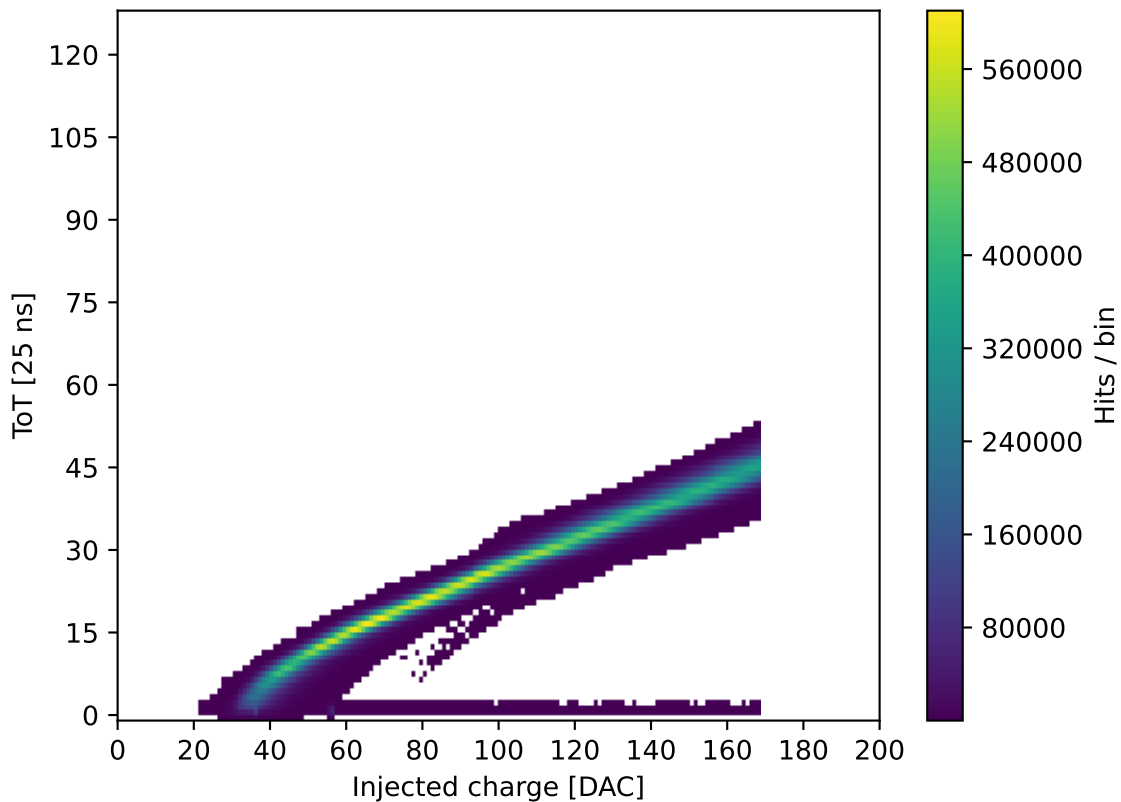


ToT curve (HV Casc.)



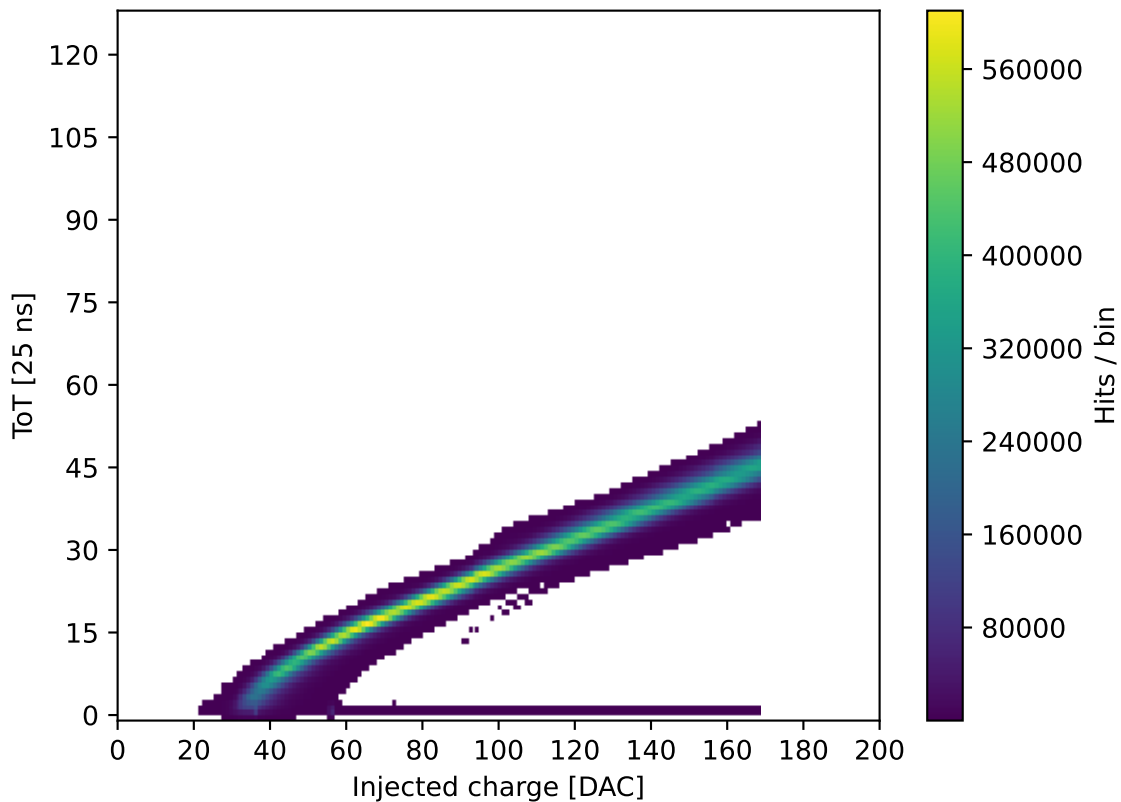
ToT curve (HV Casc.)

Hits/bin > 100



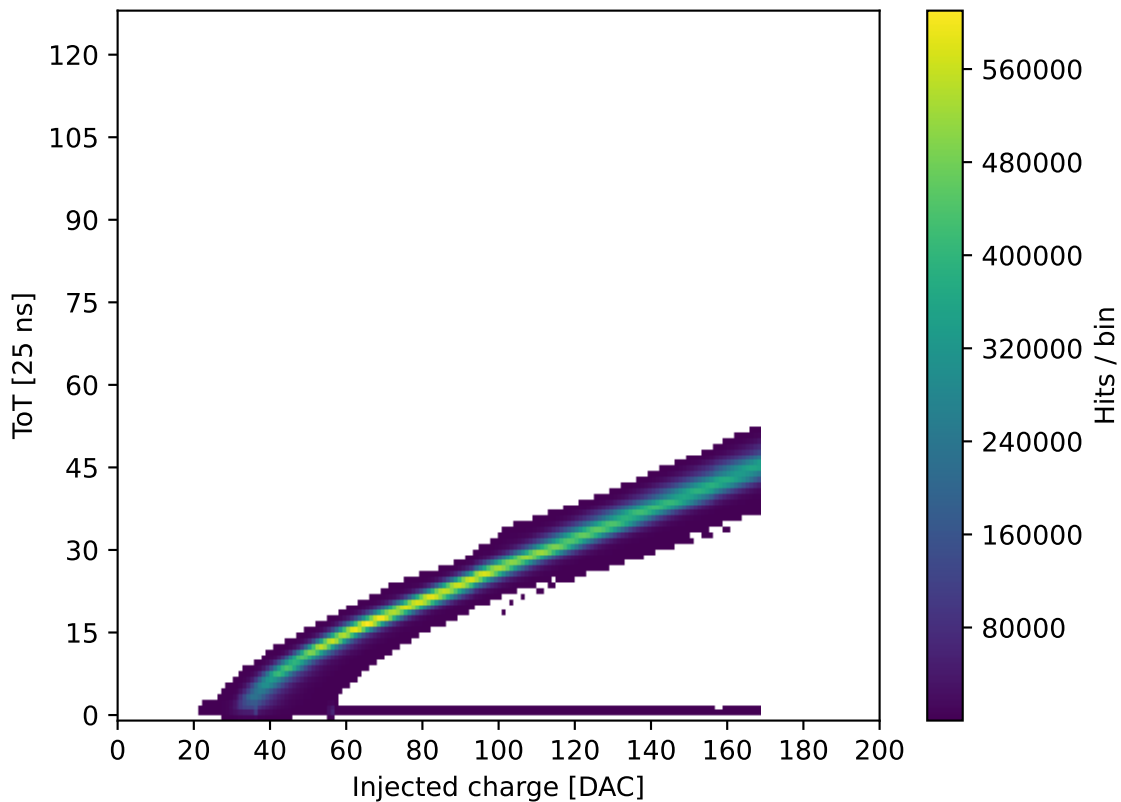
ToT curve (HV Casc.)

Hits/bin > 200



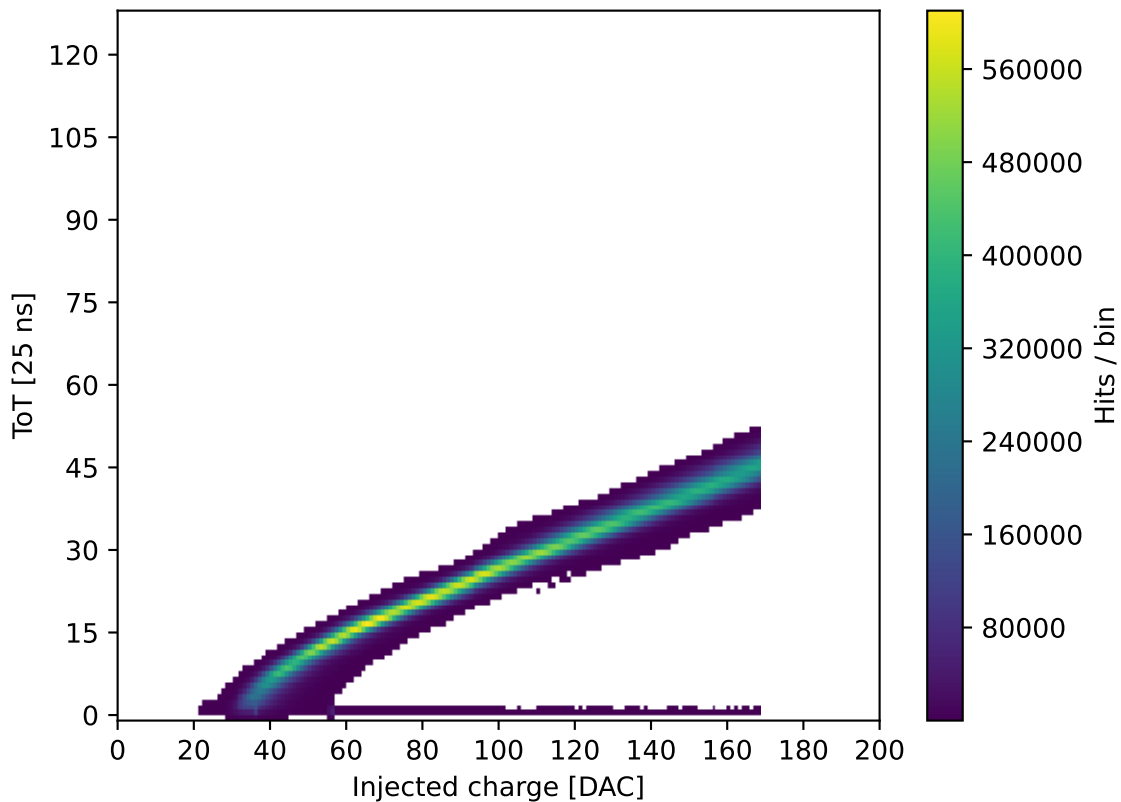
ToT curve (HV Casc.)

Hits/bin > 250



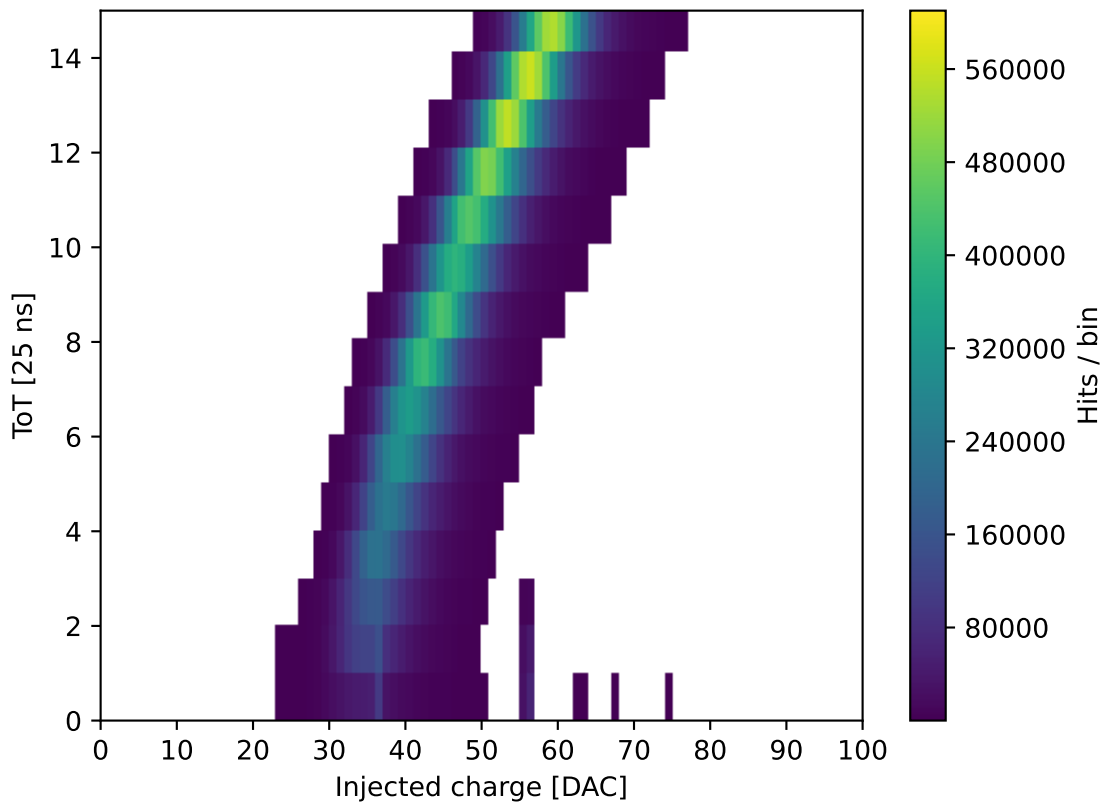
ToT curve (HV Casc.)

Hits/bin > 300



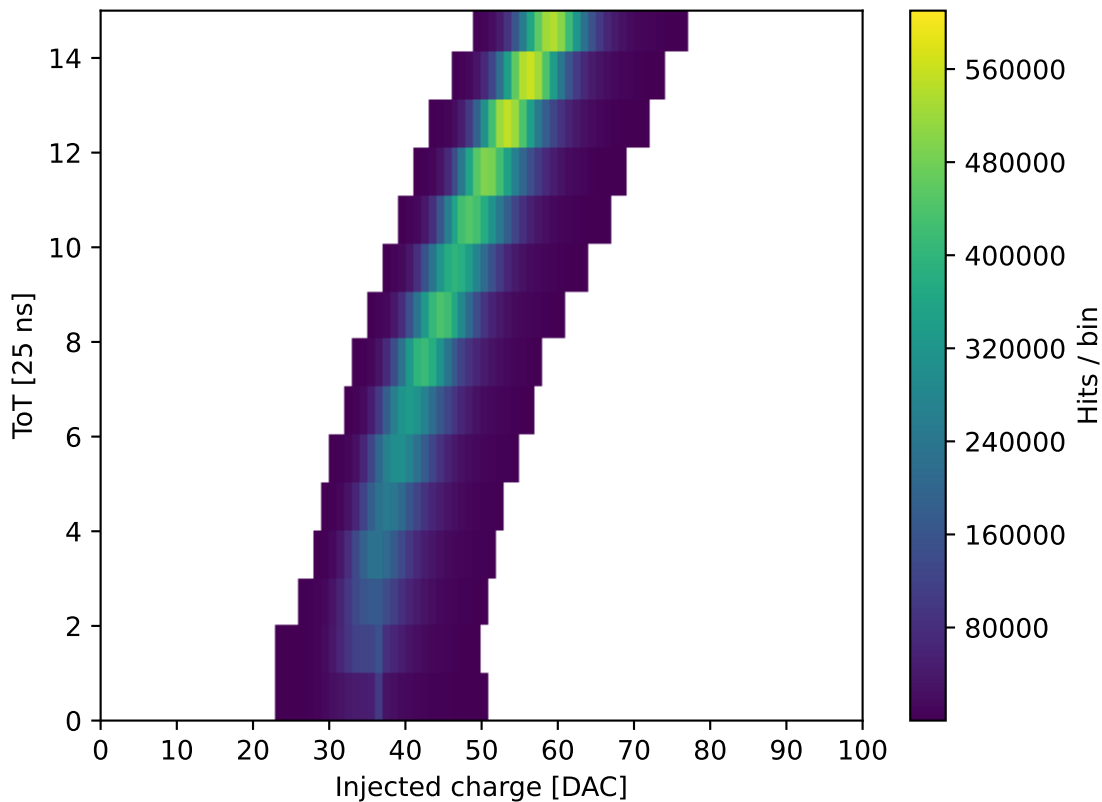
ToT curve (HV Casc.)

Hits/bin > 1000



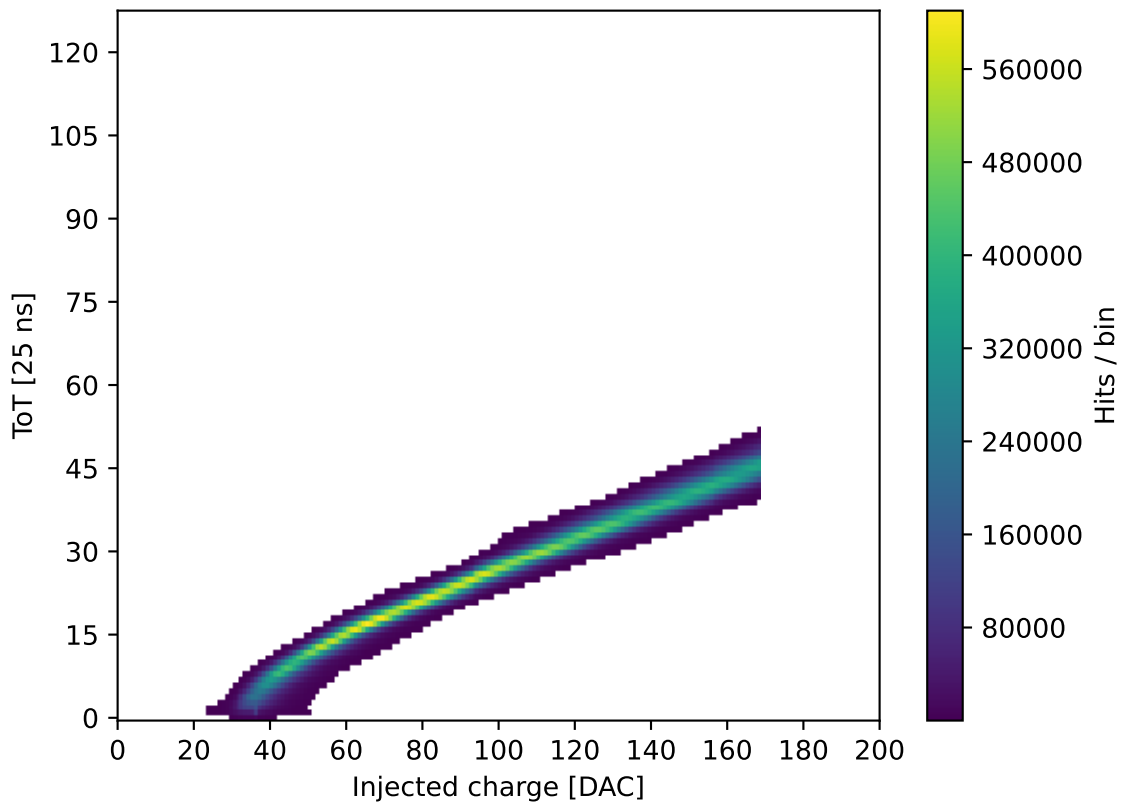
ToT curve (HV Casc.)

Hits/bin > 1000



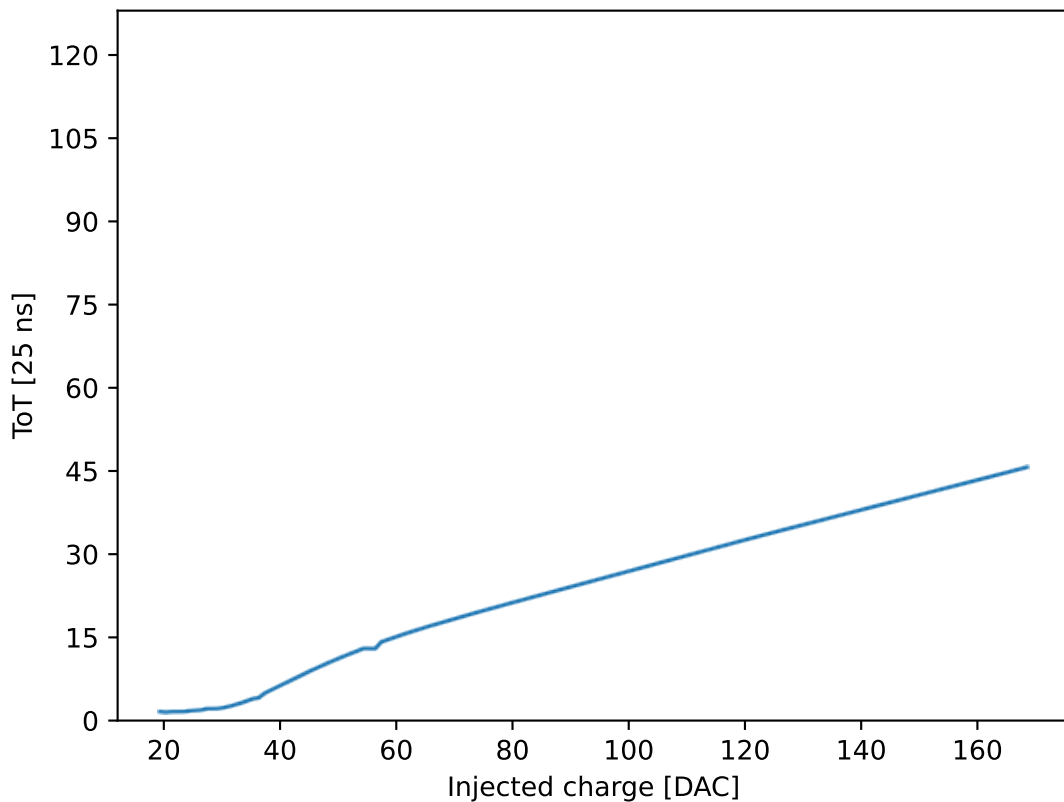
ToT curve (HV Casc.)

Hits/bin > 1000



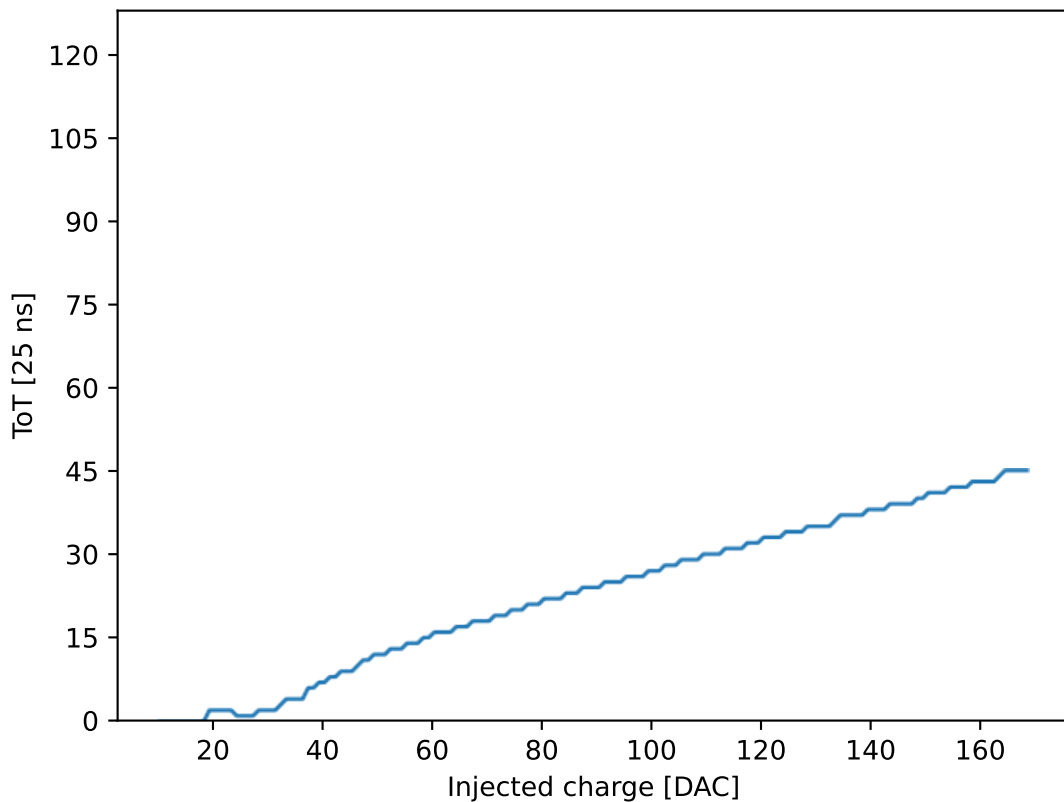
ToT curve (HV Casc.)

Mean of ToT for each value of injected charge

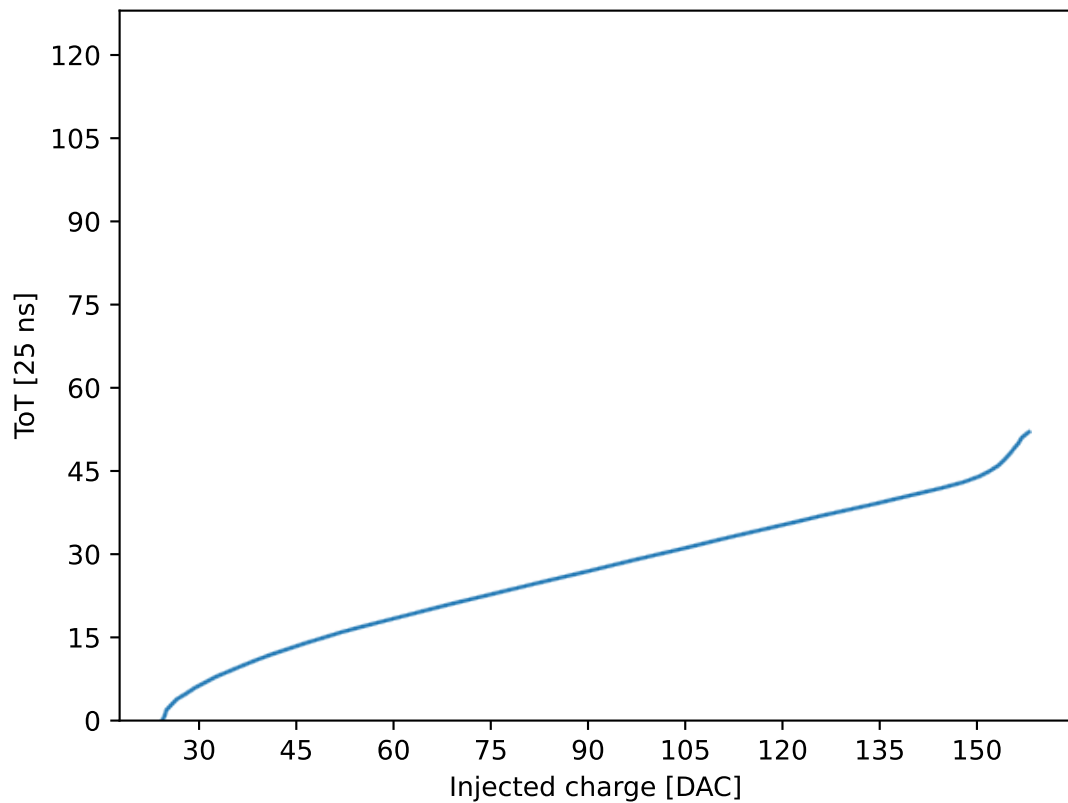


ToT curve (HV Casc.)

Most populated bin of ToT for each value of Injected charge

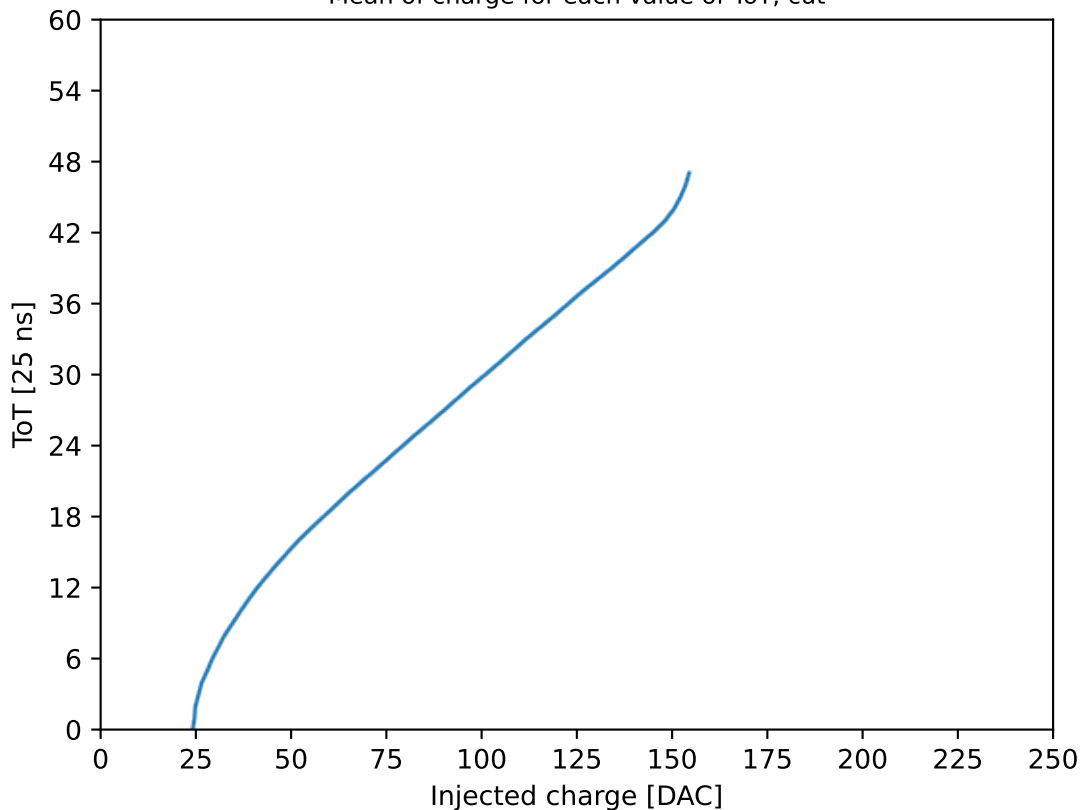


ToT curve mean on charge (HV Casc.)



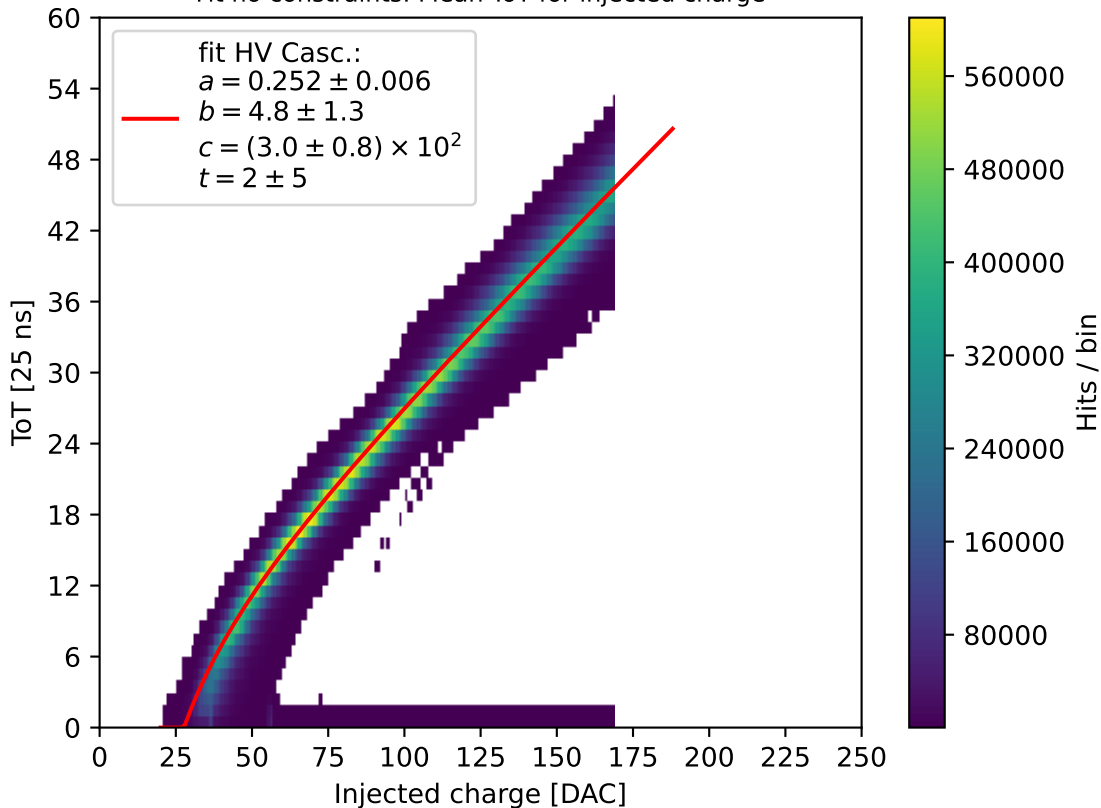
ToT curve mean on charge (HV Casc.)

Mean of charge for each value of ToT, cut



ToT curve (HV Casc.)

Fit no constraints: Mean ToT for injected charge



ToT curve (HV Casc.)

Fit no constraints: Mean of charge for each ToT

