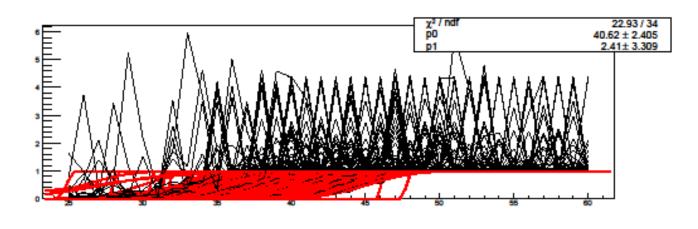
Condizioni presa dati

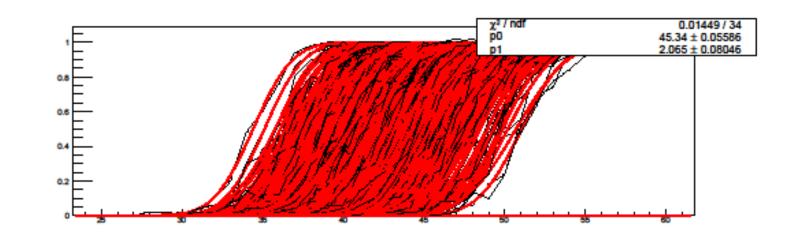
Variazione dell'impulso di carica iniettata $20 \div 70$ DAC step 50 DAC $(-530 \div 1895)$ e oppure $(-0.48 \text{ aC} \div 31.1 \text{ fC})$

- Tensione del discriminatore fissa Vth = 0.5218 V (60 DAC)
- 2 guadagni
 - 1. "C2F" = 2.4 fF
 - 2. "C4F" = 4 fF \rightarrow 1.6 fF
 - 3. "C24F" = (2.4+1.6) fF
- Tutti gli altri parametri sono alle condizioni standard

TO2 A

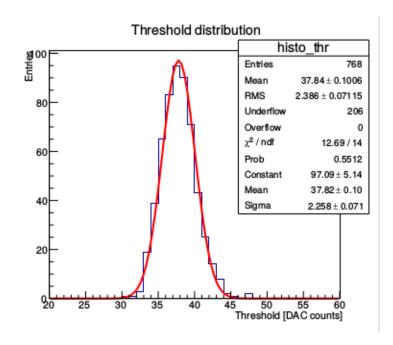


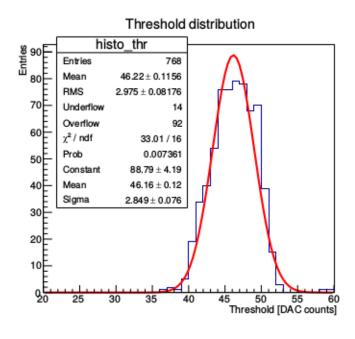
Guadagno "C4F"

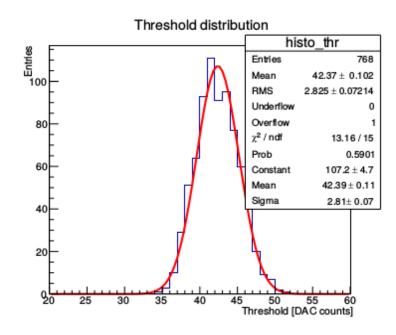


Guadagno "C2F"

TO2 A Threshold





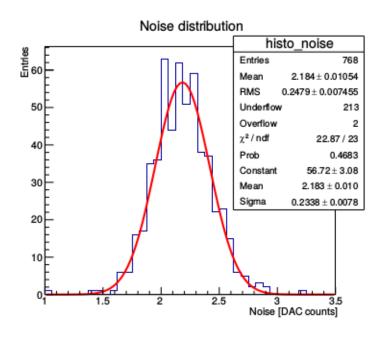


Guadagno "C4F"

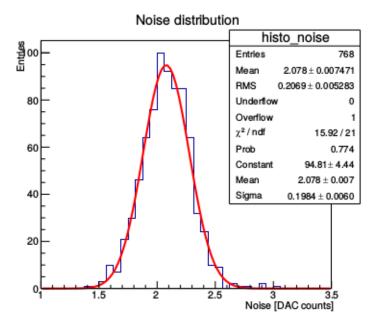
Guadagno "C24F"

Guadagno "C2F"

TO2 A Noise



Noise distribution histo_noise Entries 09 Entries Mean 2.184 ± 0.01054 RMS 0.2479 ± 0.007455 Underflow 213 Overflow χ^2/ndf 22.87 / 23 Prob 0.4683 56.72 ± 3.08 Constant 30 Mean 2.183 ± 0.010 Sigma 0.2338 ± 0.0078 20 10 2.5 Noise [DAC counts]

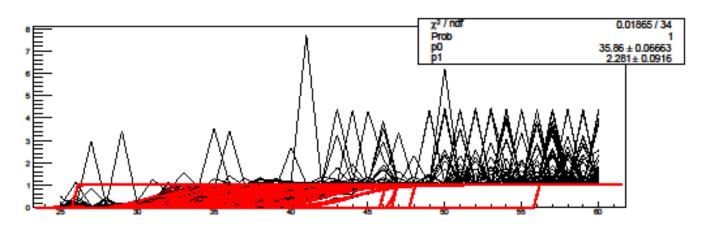


Guadagno "C4F"

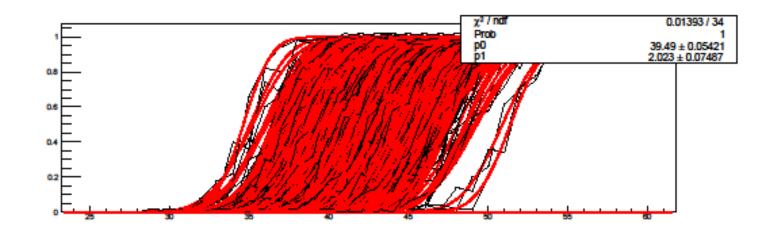
Guadagno "C24F"

Guadagno "C2F"

TO2 B

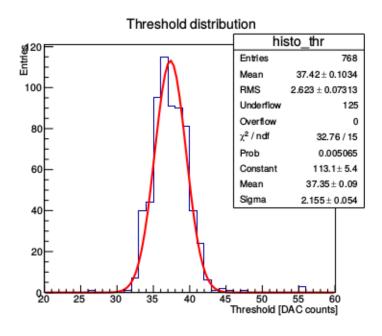


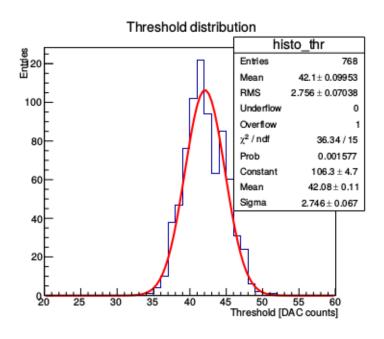
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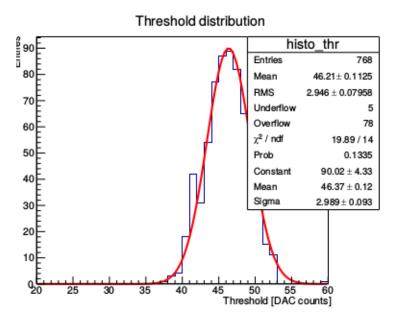


Guadagno "C2F"

TO2 B Threshold





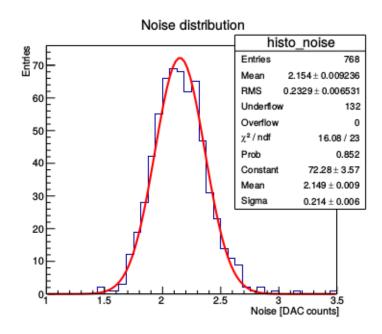


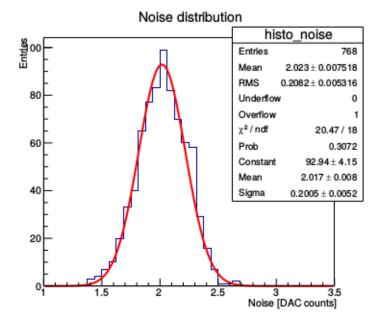
Guadagno "C4F"

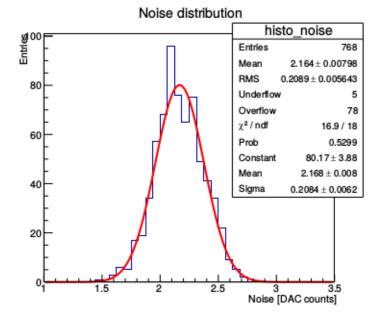
Guadagno "C2F"

Guadagno "C24F"

TO2 B Noise





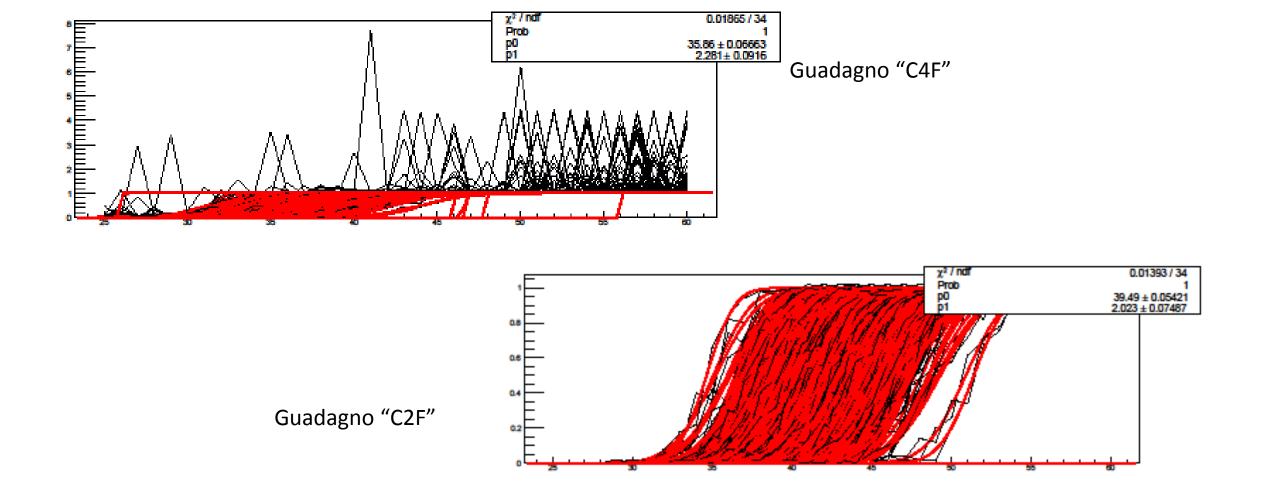


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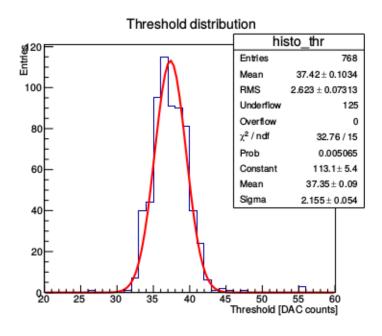
Guadagno "C2F"

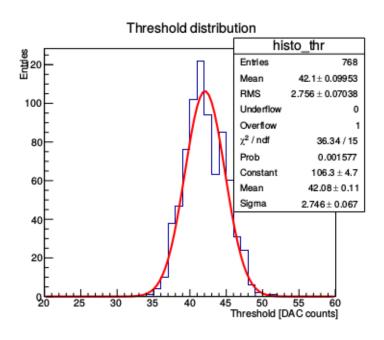
Guadagno "C24F"

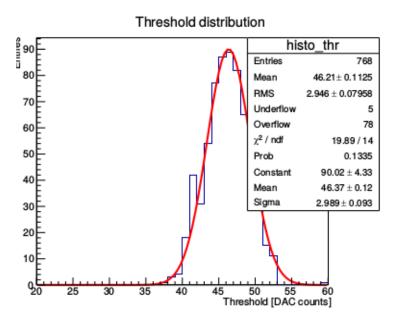
TO2 A'



TO2 A' Threshold





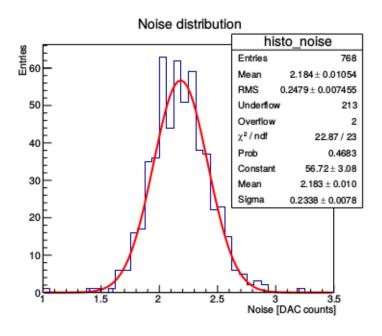


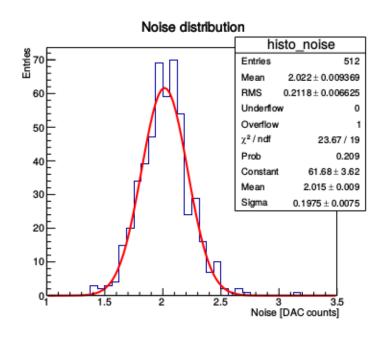
Guadagno "C4F"

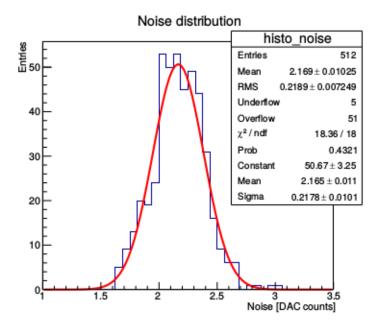
Guadagno "C2F"

Guadagno "C24F"

TO2 A' Noise







Guadagno "C4F"

Guadagno "C2F"

Guadagno "C24F"

TO2

