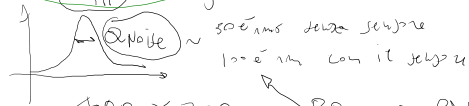
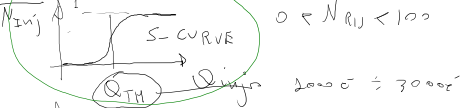
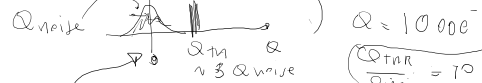


$N_{Ris} = 100$ $N_{Ris} = 0$
 $N_{Rid} = 100$
 $0 < N_{Rid} < 100$



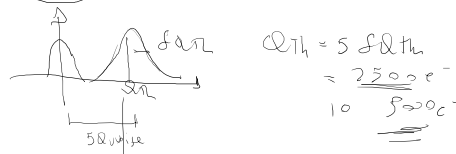
$400 \times 200 = 80.000 \text{ RDSB}$
 $60 \times 200 = 12000 \text{ RDSB}$
 $400 \times 400 = 160.000 \text{ RDSB}$



$Q = 10.000$

$\frac{Q_{TH}}{Q_{noise}} = 10$

80000 canali
 $80000 \text{ canali} \rightarrow Q_{TH} \approx 500 e^- \rightarrow Q_{noise} \text{ instaurata}$



Registro di tuning della soglia
per ogni pixel

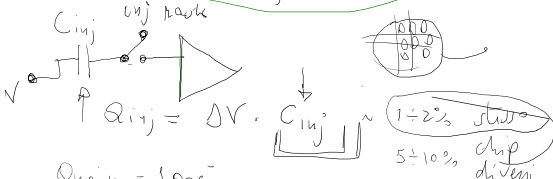


$Q_{inj} = f_{inj} = 2000 e^-$



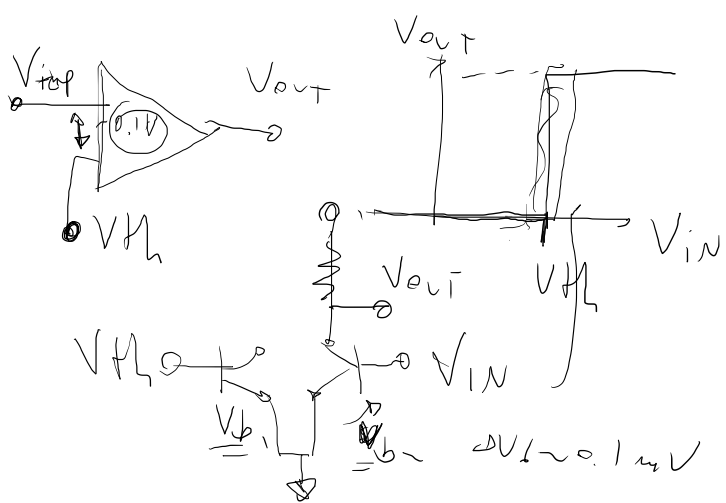
Q_{TH}

$Q_{TH}, Q_{inj}, Q_{noise} = TOT$



$Q_{noise} = 100 e^-$
 $\delta Q_{TH} = 1000 e^- \text{ senza tuning}$
 $\pm 100 e^- \text{ tuning}$

$Q_{TH} = 20000 \pm 1000$
 Calibrazione relativa



$C_{inj} \sim 5\% \pm 10\%$

$\times {}^{55}Fe \rightarrow E_\gamma = 6 keV \quad e^{-} \cdot \frac{6 keV}{3 eV/e^{-}} \sim 2000 e^{-}$

