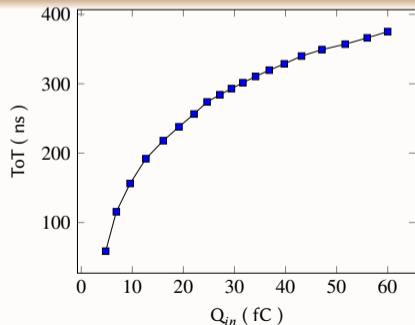


# ToT mode

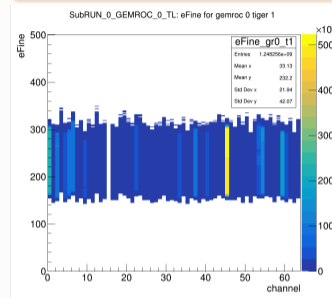
## Time-over-Threshold mode

- During last three days files with ToT mode for energy saving is taken
- Very low rate ( $\sim 1$  muon/min)
- eFine calibration have been performed the same way as for tFine
- Scintillator taken in SH mode (except for one run)
- For “charge” the time over threshold is used (value = 6.25 ns)
- Straws used Double Threshold mode (“It should be ToT start on branch T and end on Branch E, which should be a good solution”)



Charge from Time-over-Threshold dependence example  
(from Fabio Cossio PhD thesis: [link](#), [link](#))

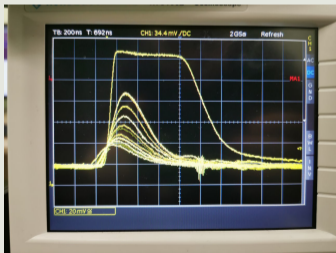
## eFine in ToT mode example



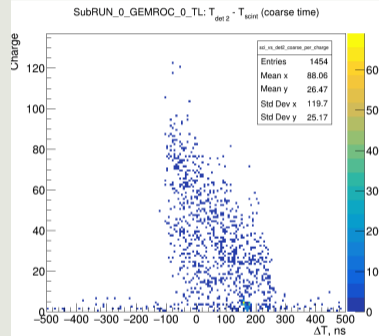
# ToT mode first look

- The events in 500 ns time window to scint is shown
- X axis – “drift time”
- Y axis – time over threshold (per 6.25 ns)

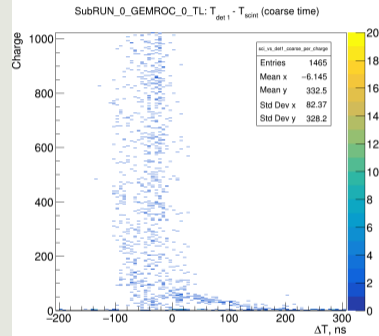
## VMM shaper example



## MicroMegas



## Straw

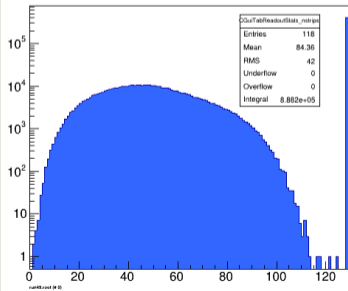


# CAEN pulser tests

- Yesterday first try to take data for pulser stability check was performed
- Mu2E stops working after initialization (while APV baseline taking was being done)
- During first checks (without writing) the pulser behaviour was strange (seems, CAEN counter wasn't reset)
- Really long APV-only run is taking now, I'm waiting when pulser will breaks

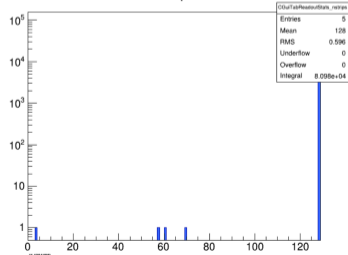
## N strips in APV Run 49

#strips



## N strips for pulser-only signal (good)

#strips



## N strips for pulser-only signal (bad)

#strips

