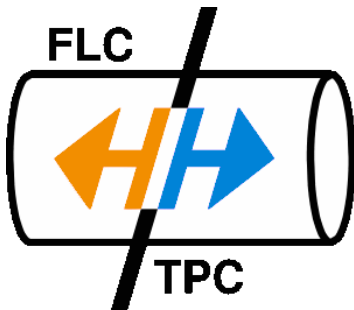# Pulse Finder Overview and latest bugfix

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MarlinTPC Meeting

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Start Threshold

- In multiples of the Pedestal Width

End Threshold

- In multiples of the Pedestal Width

Minimum Pulse Height (ADC Counts)

Minimum Pulse Length (ADC Counts)

Noise threshold for the splitting

- In multiples of the pedestal width
- Parameter name: PedestalWidthScale

Charge and time measurement modes switches

- Fast calculation or parabolic fit

Bug

- The Start and end threshold were interpreted as ADC counts and not as multiple of ADC counts
- Mishandling of the override parameters
- Requiring either the time of the charge to be measured through the parabolic fit calculator sets both the time and the charge via the parabolic fit calculator

Fix

- The parameter description now matches with the internal use of the parameter
- Correct handling of the override parameters
- Consistent handling of the condition database requests
- Possibility to use independently the time or charge measurements from either the fast or the parabolic fit calculators
- Fix of the usage of the PedestalWidthOverride parameter