

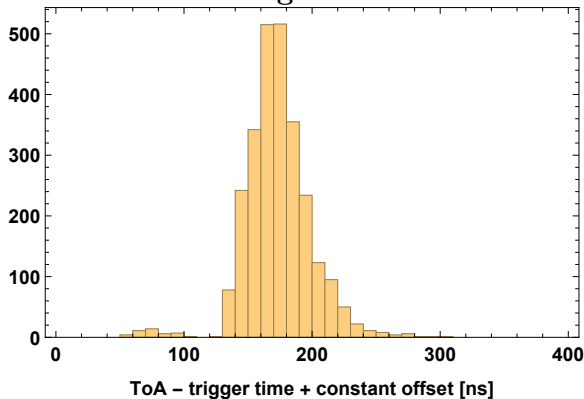
# Single chip testing progress

Kevin Heijhoff

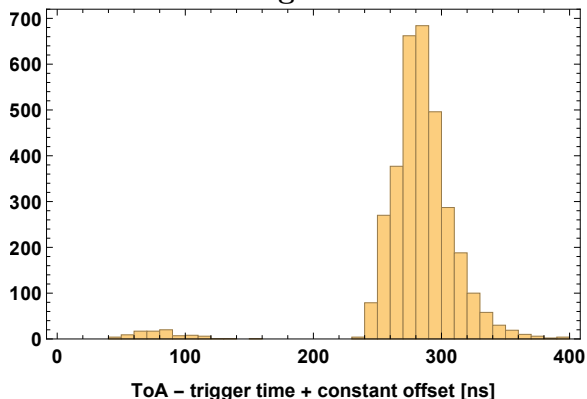
2016-11-21

# Drift time spectrum

Laser height = 12 mm



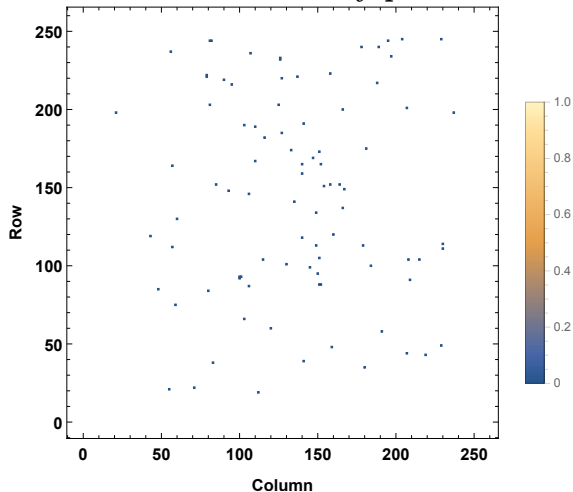
Laser height = 18 mm



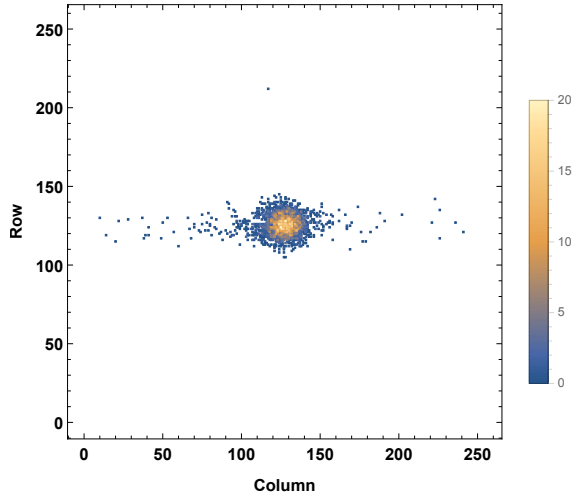
- There is an early peak in the drift time spectrum that is independent of the laser height.

# Drift time spectrum

## Hits in the early peak



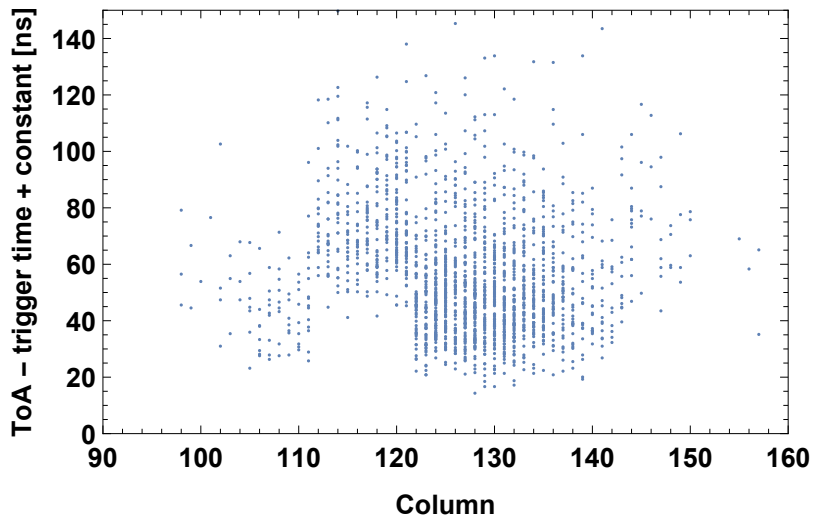
## The other hits



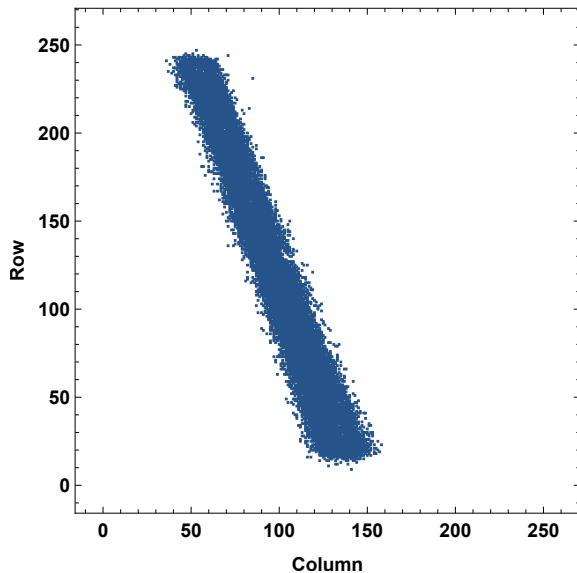
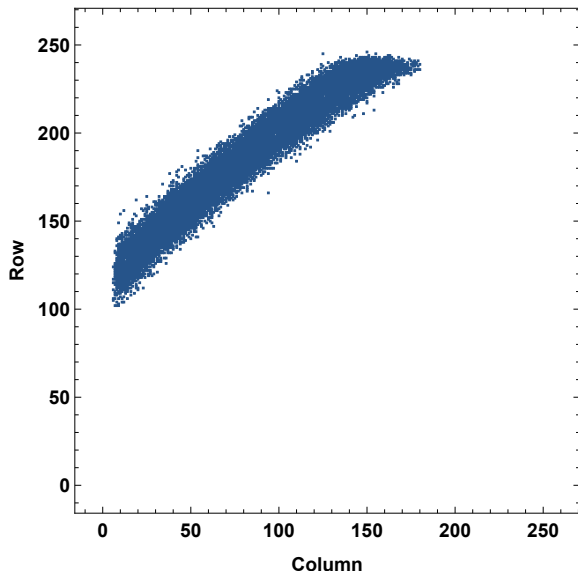
- The early peak seems to be noise.
- Light sensitivity? Noise from the laser firing?

## Drift time versus column

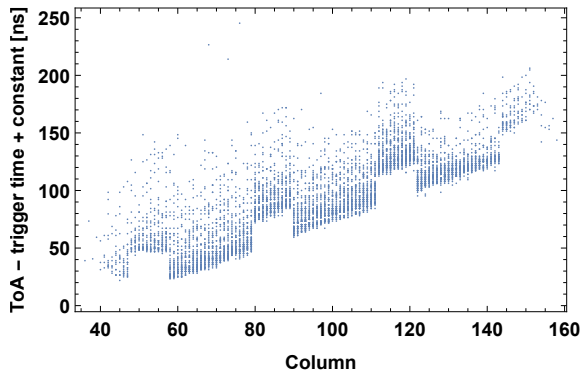
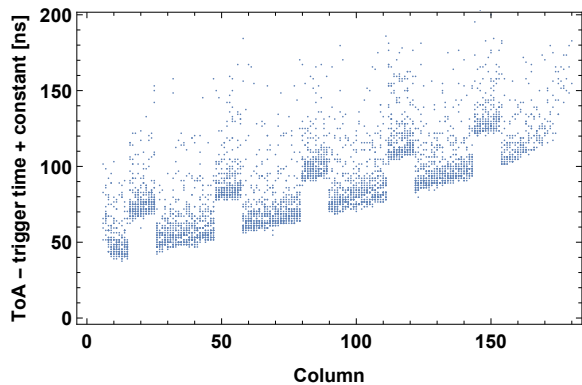
- Laser height = 21 mm
- 100 Pulses
- Group of columns have an offset of 25 ns



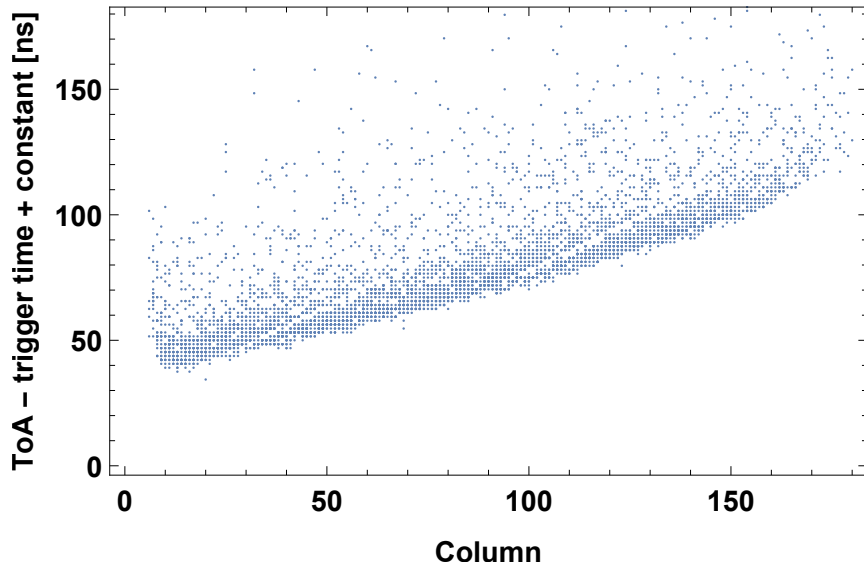
## Looking at tracks



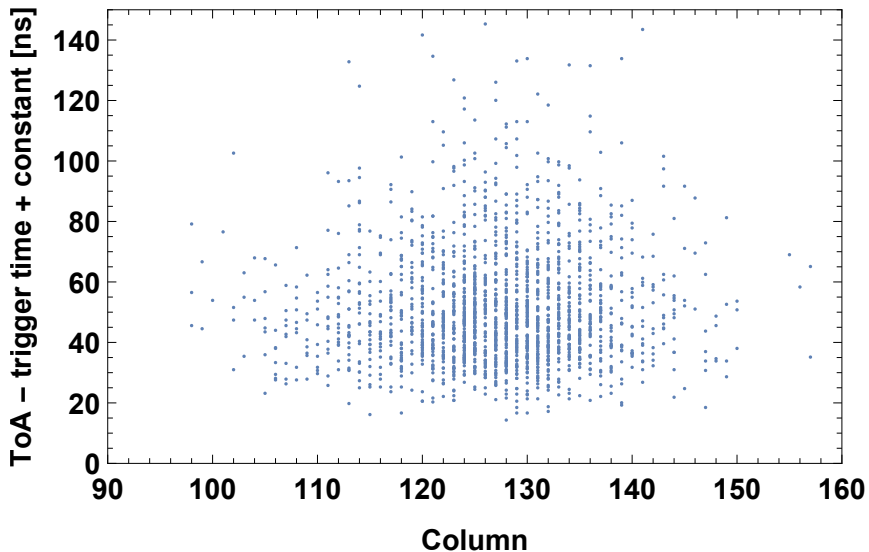
## Drift time versus column



## Corrected drift time versus column



## Corrected drift time versus column





## Drift time versus laser height

