

## GRAiNITA Muon Test Bench Status (GMTBS)

17/05/24

# Latest results

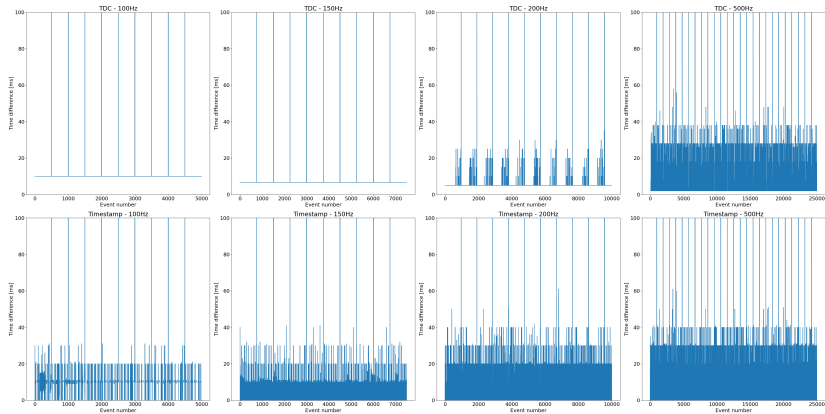
## Wavecatcher acquisition :

- ▶ Magali installed the 16 channel wavecatcher at lab
- ▶ First test using a signal generator for the trigger
- ▶ 5 s trigger then 25 s of pause
- ▶ Wavecatcher provide two time stamp : PC time and an internal TDC
- ▶ On the next slide : difference for both time stamp between two consecutive event (should be constant).
- ▶ Trigger frequency ranging from 100 Hz to 500 Hz

## Results :

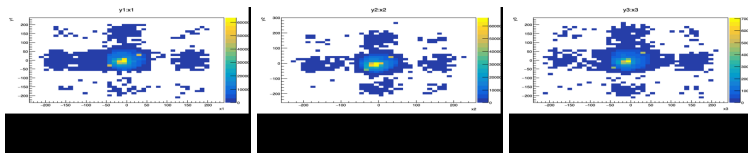
- ▶ 100 Hz and 150 Hz : all fine
- ▶ 200 Hz, a few per cent of losses (4%). Losses occurs after a few seconds.
- ▶ 500 Hz, 60 % of losses

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# Looking at the "Chambre à fils" file

- First look at the file
- For now only (x,y) reconstruction for each plane
- Script uploaded on indico



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