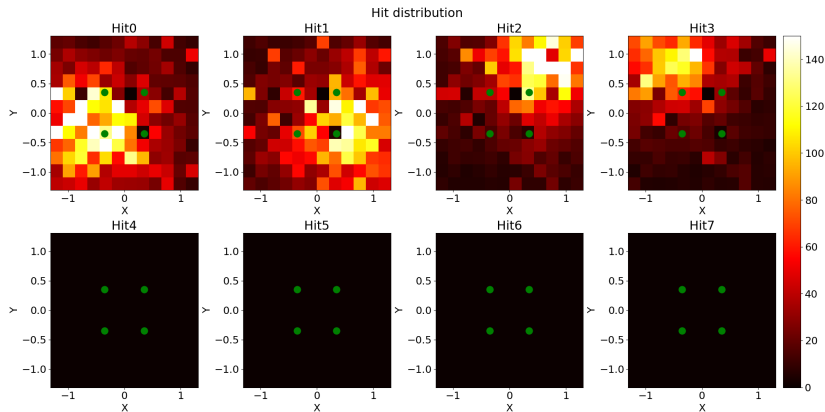


GRAiNITA Muon Test Bench Status (GMTBS)

08/03/24

First results 1/2

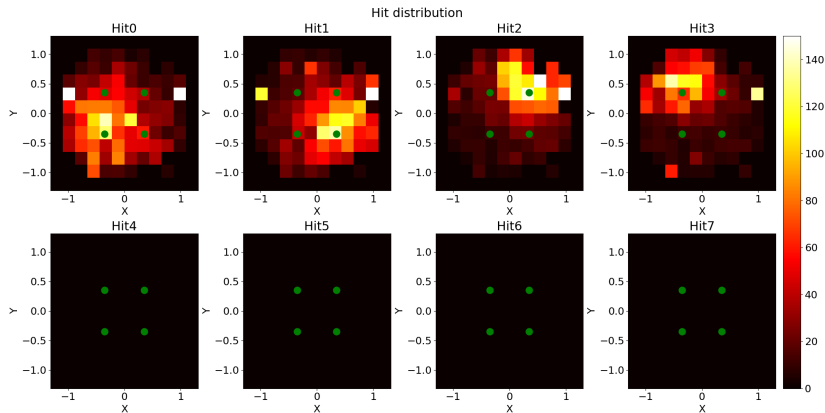
Mean number of PE depending on the reconstructed intersection point with the top of GRAiNITA :



► The TimePix telescope seems a bit tilted

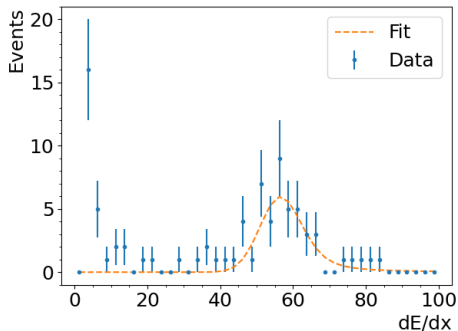
First results 1/2

Mean number of PE depending on the reconstructed intersection point with the bottom of GRAiNITA :



First results 3/2

de/dx Fit of the sum of the 8 fibres keeping only the muons with a top hit distance to the centre < 0.5 cm :



MPV = 56.6 PE/cm

Conclusion

Tuple available on (full data and only muons 21):

<https://box.in2p3.fr/index.php/s/sojwtLA2kMfBn8X>

Next steps :

- ▶ Work on the timepix tilt
- ▶ Connect the 16 fibres
- ▶ Acquire data
- ▶ Work on the test beam time synchronisation

First results 4/2

► Discrepancies between the additional fibers

