

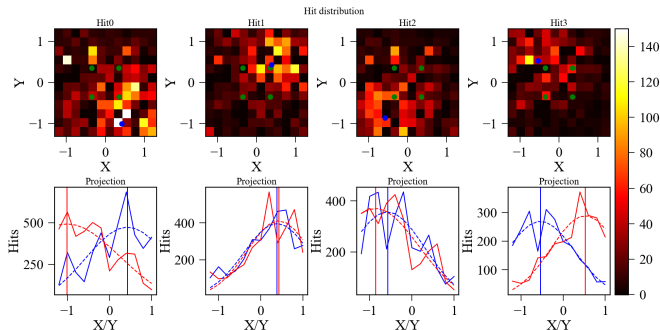
GRAiNITA Muon Test Bench Status (GMTBS)

19/04/24

Latest results

ASM acquisition :

- ▶ Magali worked hard to have a working 16 channels acquisition at lab, still some issues
- ▶ Should have the same performance as the wavecatcher one
- ▶ Some light yield difference spotted : how the PE counting was checked with the wavecatcher ?



Acquisition with the ASM board (2 days)

Preparing the test beam

Baseline :

- ▶ Same system as the cosmic test bench, rotated by $\pi/2$
- ▶ Track reconstruction with the timepix
- ▶ Trigger generated by the 2 scintillators coincidence (NIME logic)
- ▶ Acquisition done with 16 channels acquisition :
 - ▶ The ASM [Clermont provided]
 - ▶ The wavecatcher [Paris provided]



Preparing the test beam

Fallback option :

- ▶ Use external system to reconstruct the tracks (CERN provided)
- ▶ External or baseline trigger

Open questions :

- ▶ (Fallback option) Interfaces with our system
- ▶ (Fallback option) Files type and content of the external tracker
- ▶ Multiplicity/spill
- ▶ Time/space distribution of events in a spill