

GRAiNITA for ECFA meeting

brief recap of GRAiNITA concept and where we are (a way
also to remind that we have published)

The opportunity of the test beam

Water and Heavy Liquid

... what it was (particle type: muon and pion)
thank you to Yuri + others (who ?)

How to we define a track

Hervé input (a drawing)

I would not discuss in this (short) talk about

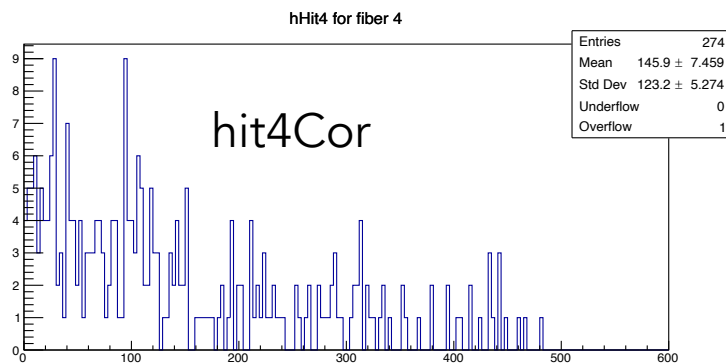
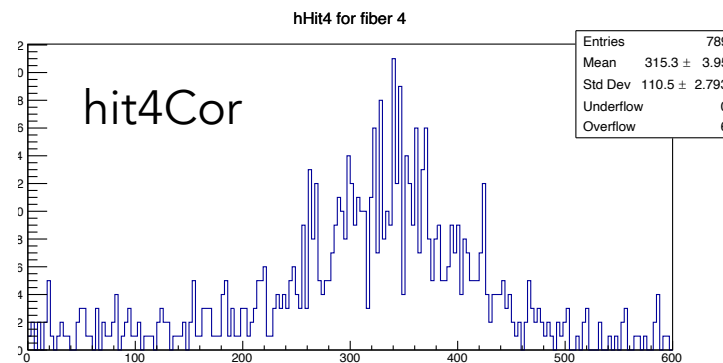
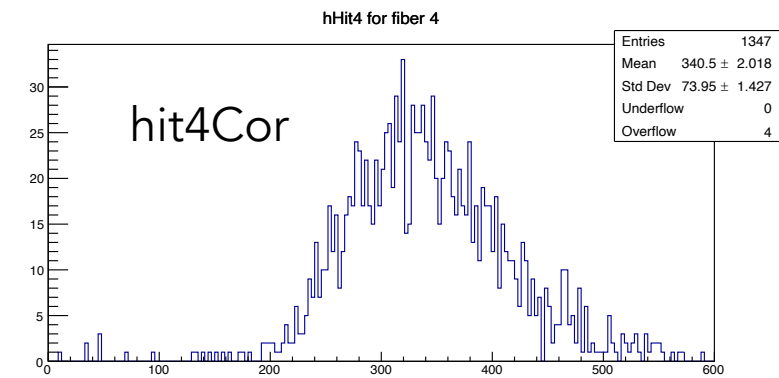
- Troll2
- Uniformisation of the fiber response. (→ I think it is better for now to use hitTotCor for everything, nothing more fancy)

A nice plot from Herve where we see the fibers !

Some comments/warning about the fiber positioning ??

How does the signal evolves around a fiber

Fiber 4

 $R < 0.5 \text{ mm}$  $.5 \text{ mm} < R < 1 \text{ mm}$  $1 \text{ mm} < R < 1.5 \text{ mm}$ 

merge several fibers, nicer plots etc etc

Plot public cosmics with Water

hitTotCor from run 41,42,43,44,45 (muons) with
Landau fit **without SIBB corections** : Troll1 water

→ MPV

hitTotCor from run 59 & 60 (muons) with Landau
fit **with SIBB corections** Troll1 HL

→ MPV

in agreement (I think, to be rechecked)
confirmation of the sampling term !

Use of the Pion beam data (2 slides) to show the potential

Method summary explanation
Plots

Based on slides 6,7,8,9 from Stephane

Towards non-uniformity determination

Explain we restrict to the central region (VM2000, border effects)

Show some 1D plots something with Muon-only ??? (do we dare adding 33 -34 + 59 & 60 to increase the stat, here I assume SiBB correction is fine ??(meaning add water and HL)

Give a rough number of the corresponding constant term ?????