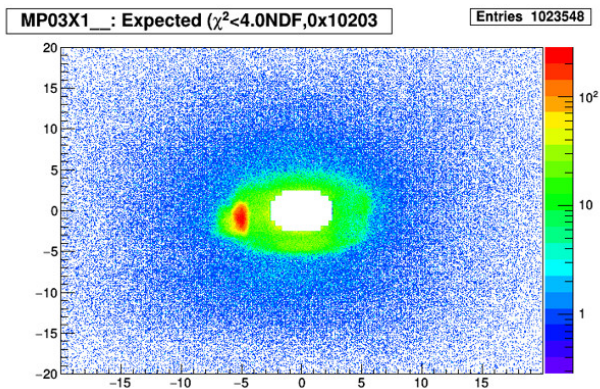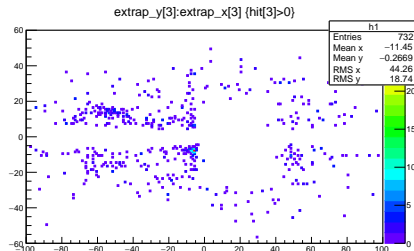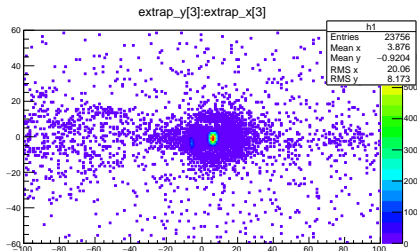# Compass 2018 Trigger

Benjamin Moritz Veit

14. Februar 2018

Hotspot in Outer

CORAL patch DisableWires

Disable wires via template.opt:

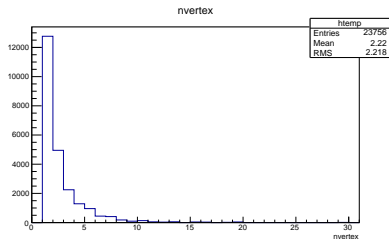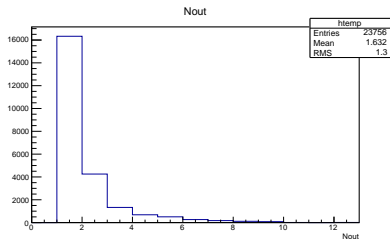HO03Y1_m DisableWire [0-1] 8 9
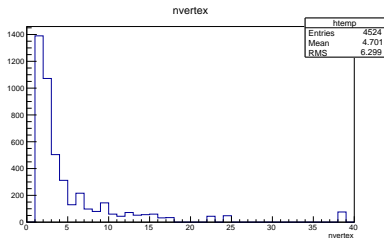HO04Y1_m DisableWire [0-1] 7 8
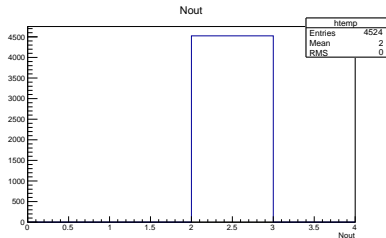HO04Y2_m DisableWire [0-1] 7 8

Wire counting start at 0 !

CORAL Trunk not working
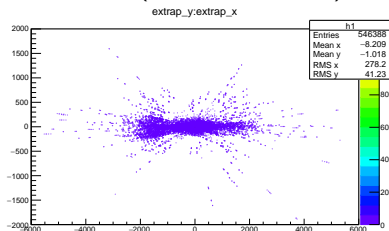
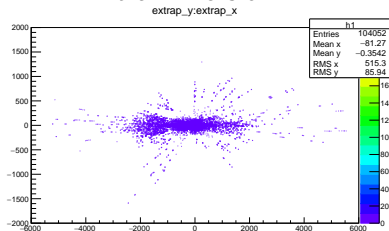## r14431 (DVCS16P09T3)

trunk

CORAL Trunk not working

r14431 (DVCS16P09T3)

trunk version

Coral versions

Likely some of these patches:

- rev14473:
  Revert rev14471 Workaround no longer required, see fix in rev14472
- rev14472:
  Ensure proper time values for cluster time: Only set the cluster time, if the calculated time is valid.
- rev14471: Follow-up of r14470: SI timings = NaN are now reset =0 (at the TraFDic level), w/ large uncertainty and lower-grade status.
- rev14467:
  FindPrimary? (vertexing). Bug fix: while determining downstream end of beam track, 2nd helix was selected, instead of last one =¿ This created fake vertices, w/ abscissa of vertex lying w/in the extension of the beam track. The bug had been dormant for a long time. It only started manifesting itself when I decided to include beam tracks in so-called Albert's plots (in PHAST's "DstProdMon?.cc").

Coral versions

Likely some of these patches:

- rev14464:
  Cosmetics (debugging in tracking and vertexing)...

- rev14433:
  src/geom/silicon_timing_types.h: Removed the number of cluster (region_size) from the single_timing() method. At this point no information about the number of clusters is known. Also the major bug of adding and later removing the time shift for the single cluster sizes is removed in this method. The cluster time shift is applied in the tear_region() method.
  src/geom/silicon_timing.c: The deprecated region_size parameter was removed from the function calls of single_timing(). The cluster time shift was adjusted. Now the correction factor is added like the TCS phase shift and not substracted.

HG01 Issues
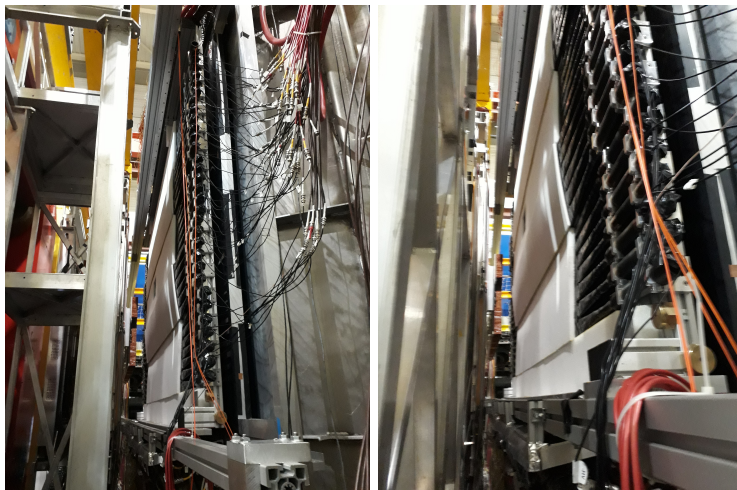
We dont want to touch it !

Broken equipment:

- Trigger Fan out:
  NIM Grenson electronics - NIM TYPE N8120 120W
  electronics pool 45030569
- LAS Level Converter:
  NIM Grenson electronics - Wiener UEP 22M 300W

TPC Platform

Using one (or two) of the "BeamKiller" disks as an BeamTrigger.
Only question is the rate !