# ESSnuSB WP5

# EsbRootView / 2.0.0

30 September 2019 video meeting

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EsbRootView / 2.0.0/ More physics

- Now available from : https://gbarrand.github.io
- Can cover neard, fard, fgd setups with the same program.
- MCTrack point and « arrow » representation.
- WCDetectorPoint, FgdDectorPoint and FgdHit : point rep.
- FgdHit : solid and wire-frame cube representations.
- Evolution in time for MCTrack/t, [WC,Fgd]DetectorPoint/time.
- A « cut/filter » mechanism that permits to have a fine tuning of what we want to see: it helps a lot in understanding an event.
- A bash-like scripting to customize startup and event scenes (see web pages).

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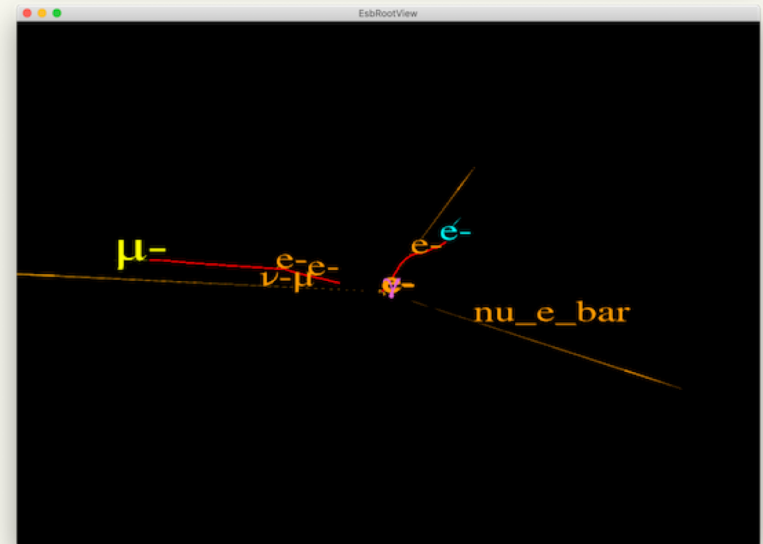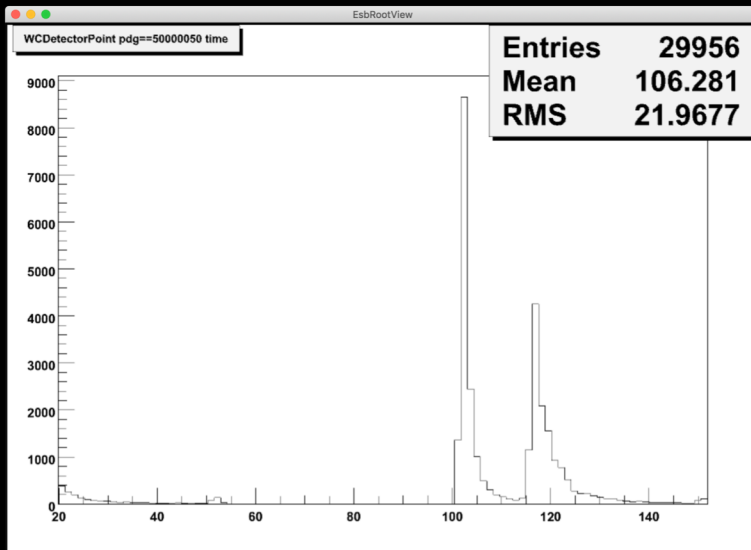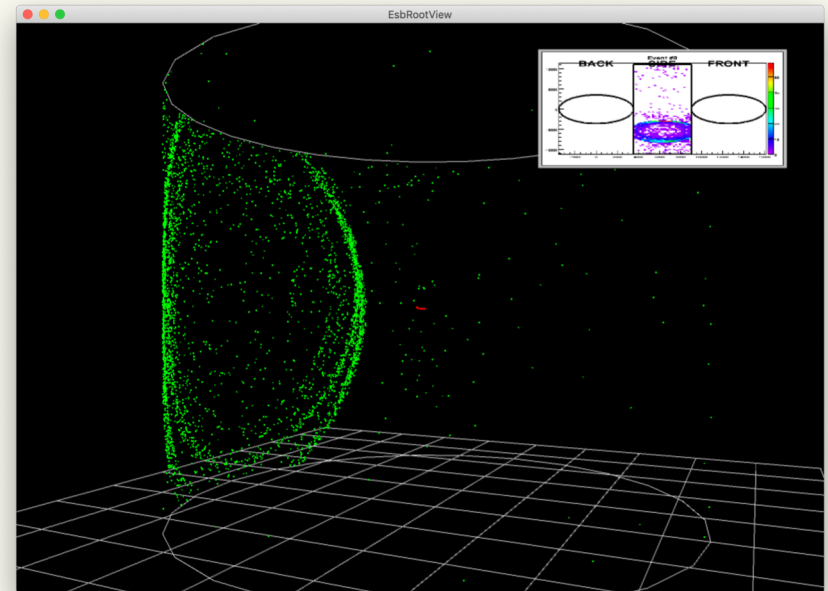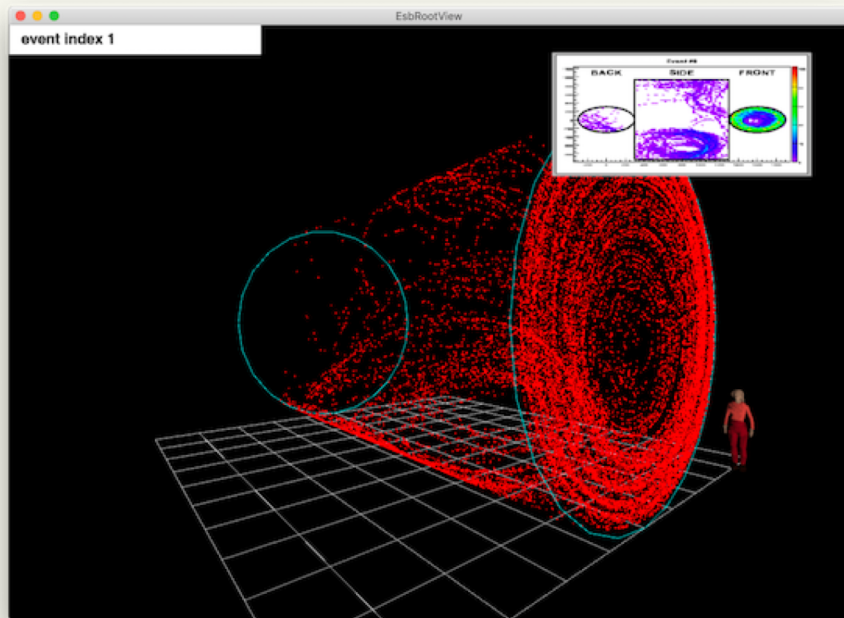
Fgd points and hits

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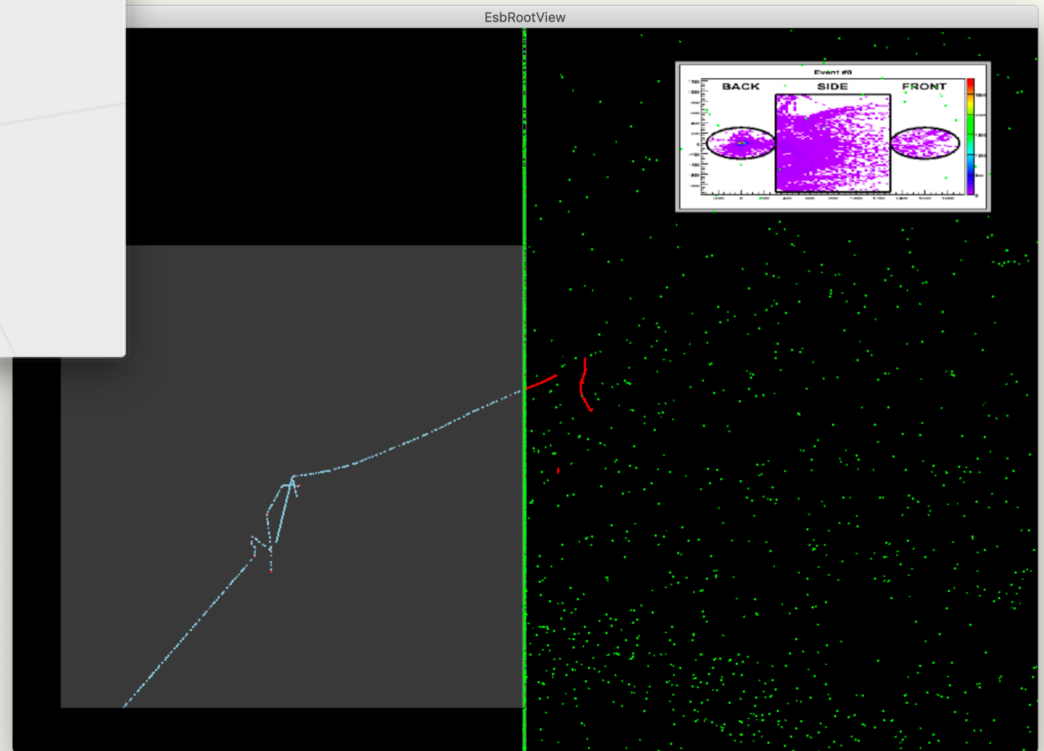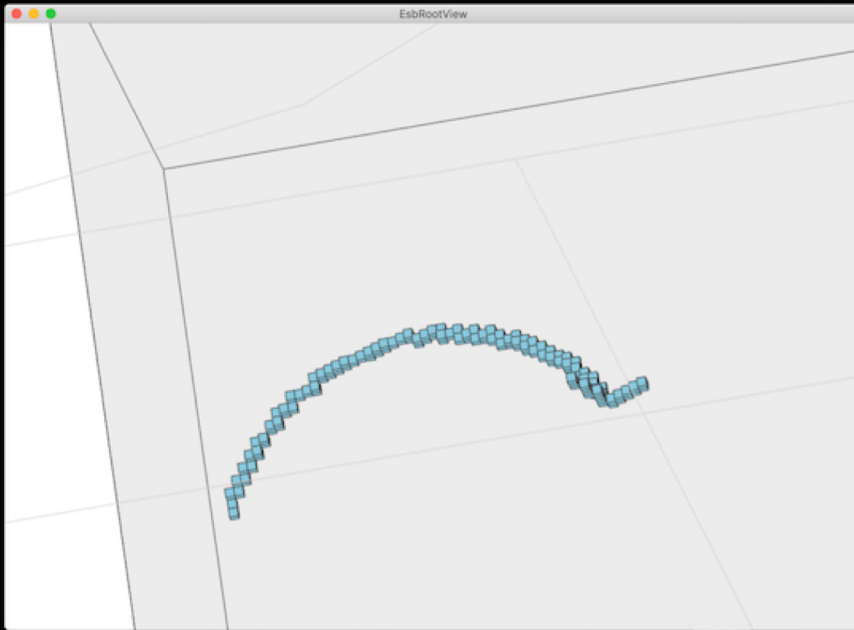
Event in time

- See some videos under the Gallery section of the web pages...
- Obviously, this feature is a door open toward nice outreach...

Scripting, -terminal, -cut

- Bash like scripting.

- -terminal mode.

- Some accessor & evaluator logic over the event model that permits to pass cut/filter on data:

  event_vis MCTrack –cut=t<50 –color=red

  event_vis MCTrack –cut=t>50 –color=blue

  event_print MCTrack –cut=pdg==11 x y z E

- (-cut=<expression> available on all event model commands: event_vis, event_stats, event_print).

- See web pages for more...

Next…

- More doc and customization examples.

- More event model items ?

- More representations ?

- Script the GUI (so that someone can easily create its own buttons).

- A first WebAssembly version ?