



The GammaWare package

(ADF included)

What is Data Analysis ?

Data Reprocessing
from Traces

Data Analysis
from Tracked (PSA)/ancillary data

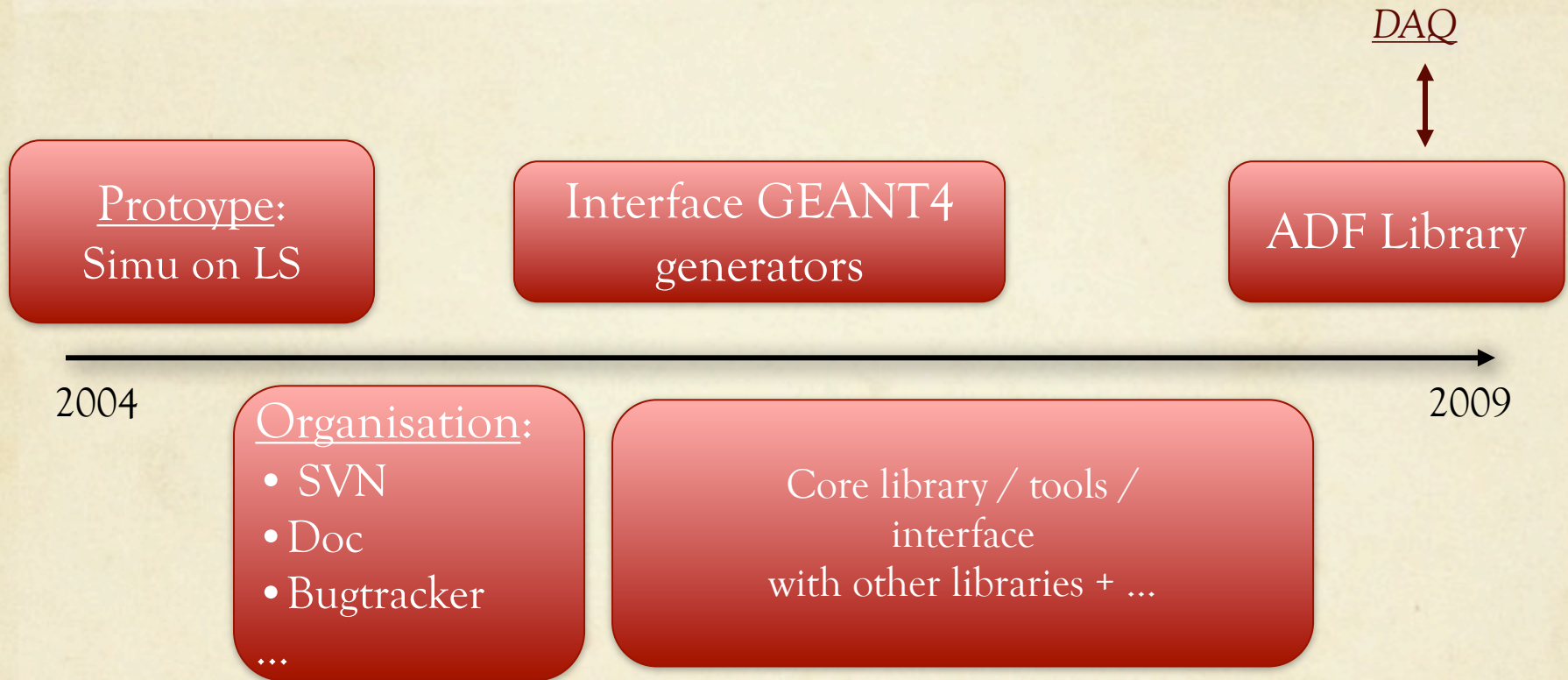


- ▶ Pb during the experiment
- ▶ Better algorithms (PSA mainly)
- ▶ PSA studies

- ▶ In principle here is the job to look for physics

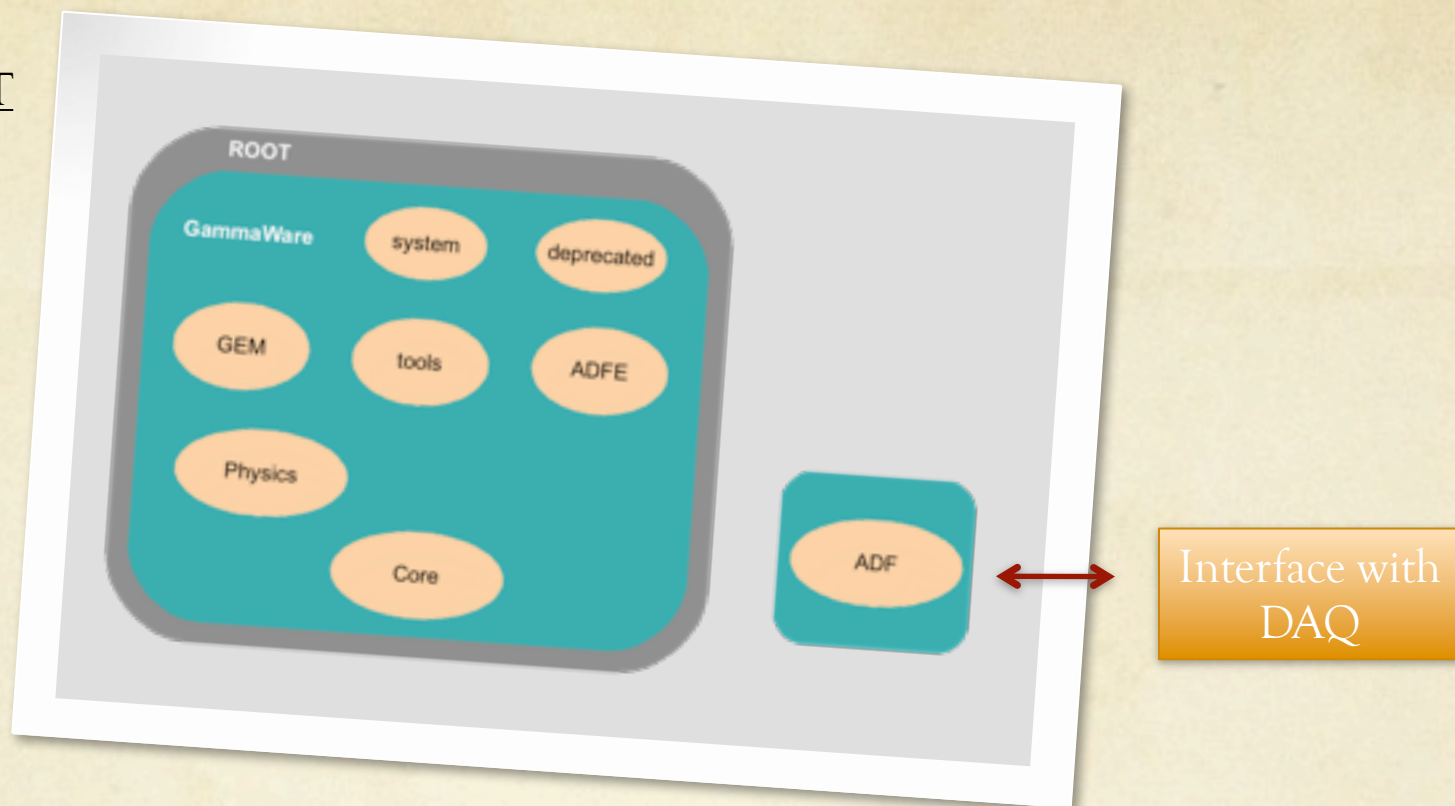
ROOT + GammaWare + plugin of other libraries ...

History



« Collaboratif » !!???

Add-ons for ROOT



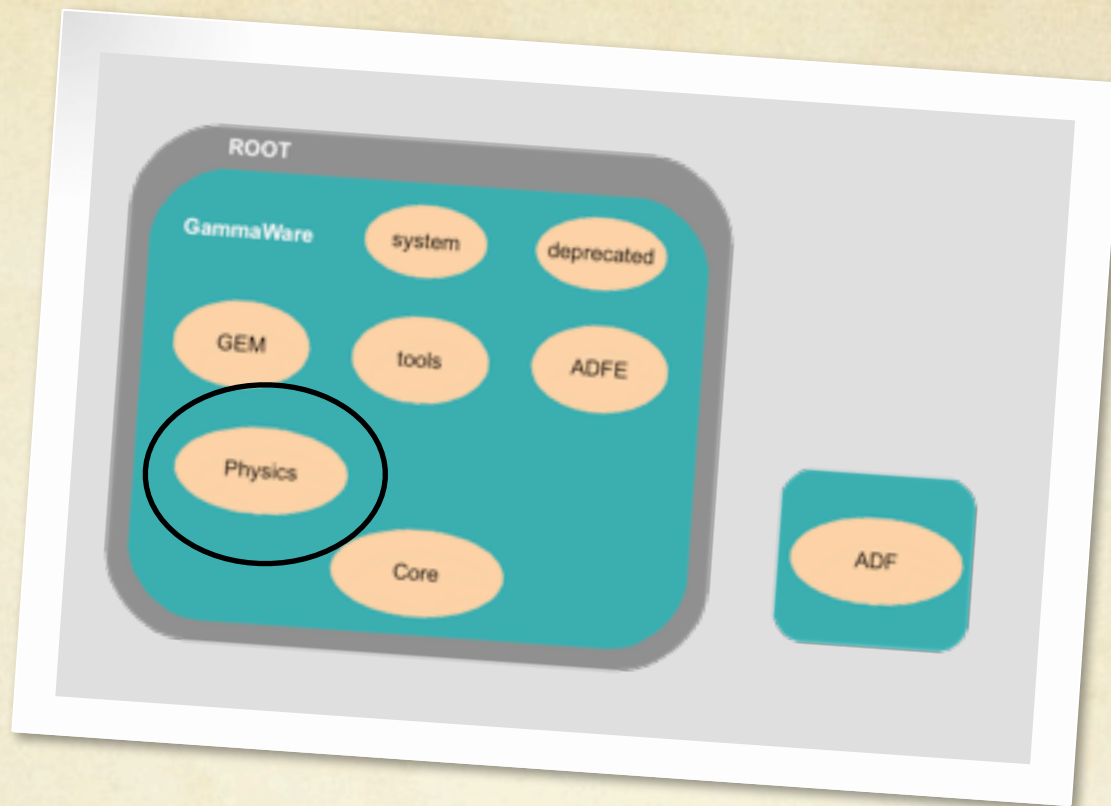
GammaWare^{0.9} current version

Other libraries could be loaded at running time (tracking, PSA, EB, Prisma etc..)



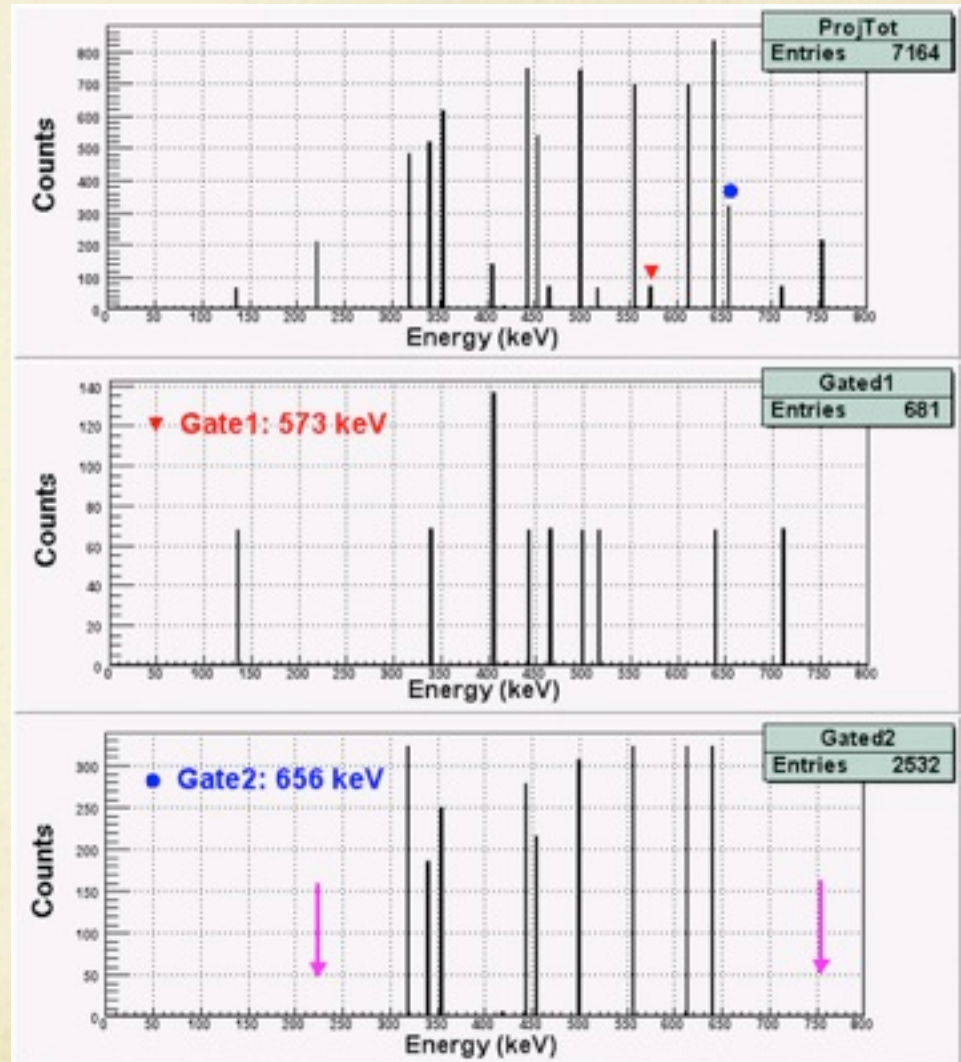
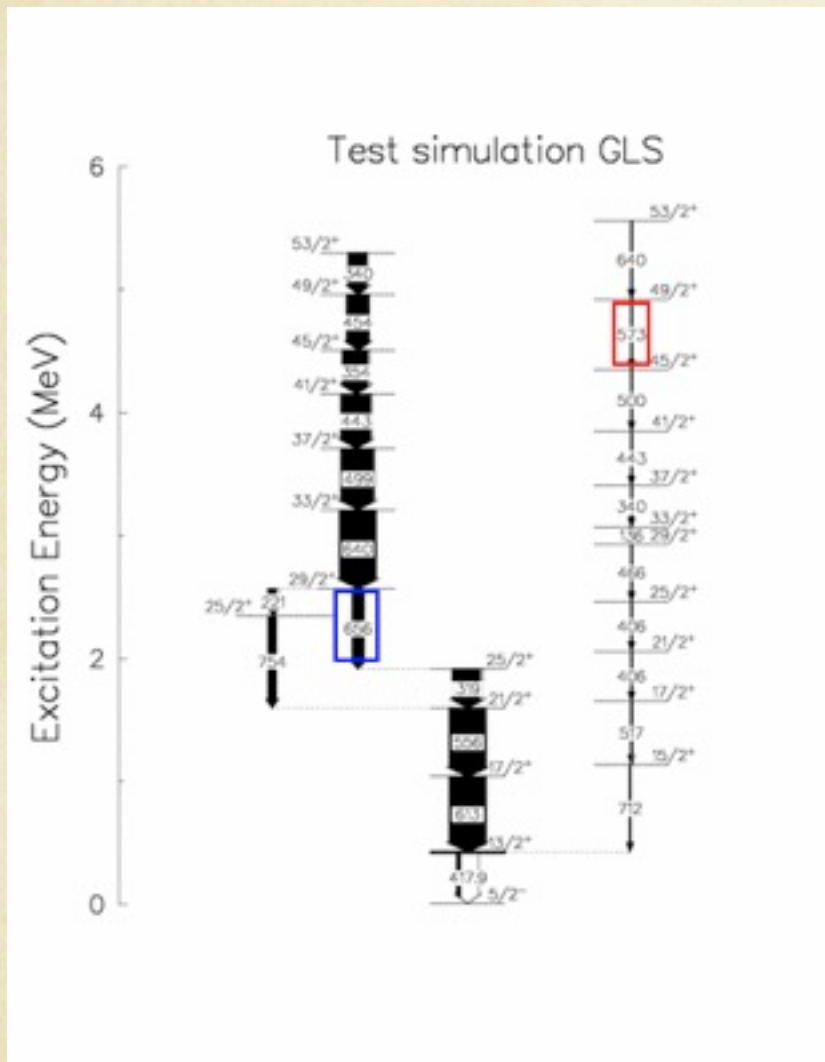
78 pages BUT more needed of course ! (benchmarks)

<https://svn.in2p3.fr/agata/docs/trunk/>

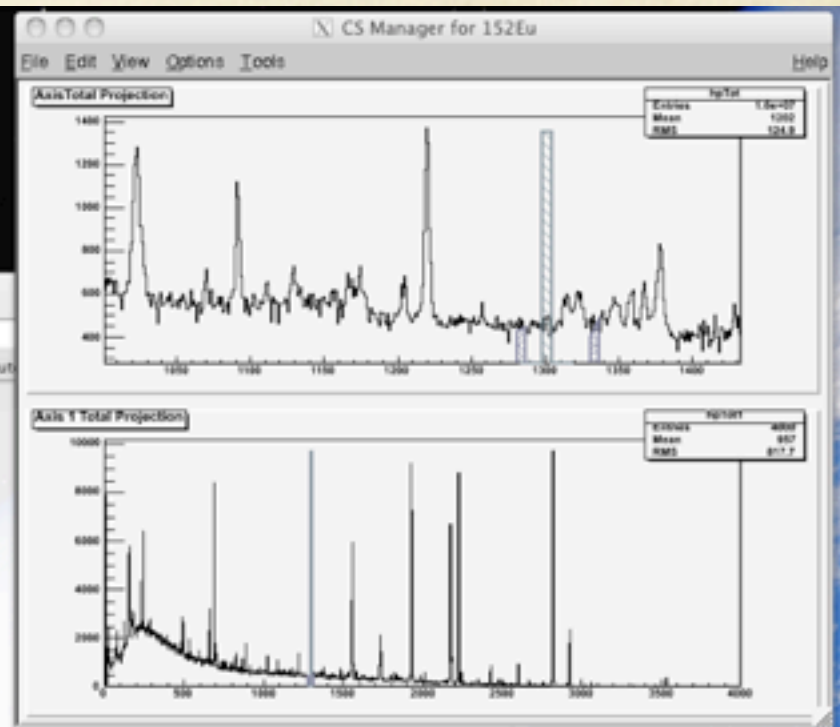
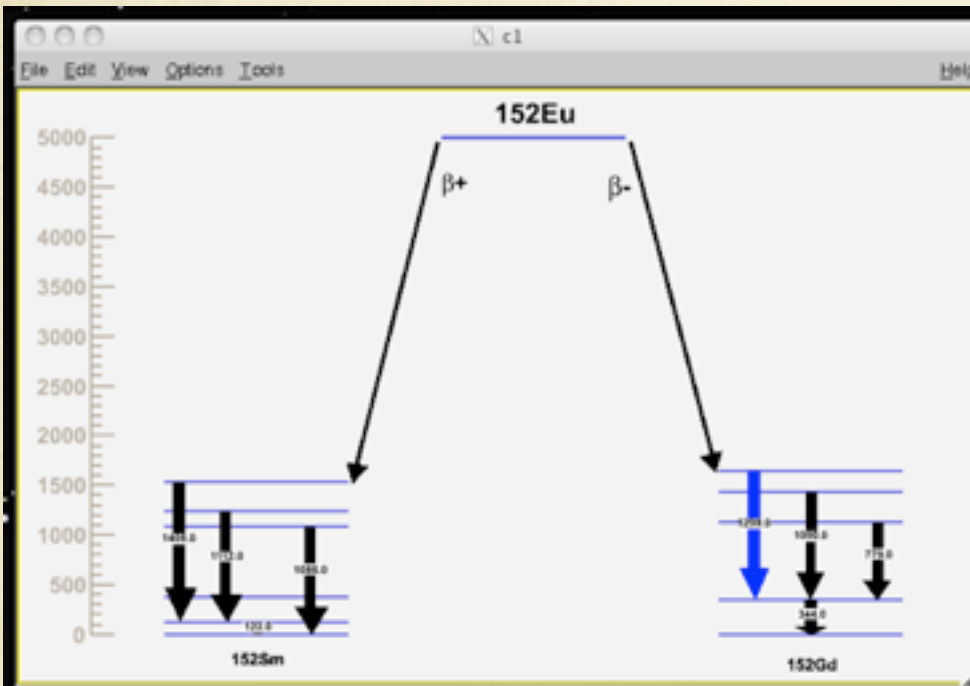


Around Level Scheme

Simulation LS



Level Scheme Player



```
.....
- Add /Users/finck/GammaWare/work/share/gw/macros/ to the macros path
- Add /Users/finck/GammaWare/work/include/gw0.9 to the include path
root [0]
Processing Load.C...
.....
Messages from Load.C
.....
- Add /Users/finck/GammaWare/work/include/gw0.9 to the include path
Processing Levelator.C...
[[info]] CentralLog::ChangeCollectorC ) [ cout is now the current collector ]
+[#0] li,0! GLSPayer::Connect(TCanvas* ) : 0x1010e3668 ]
lw,0!
Pad not existing yet
-[#0] GLSPayer::Connect(TCanvas* ) : 0x1010e3668 ]
<TCanvas::MakeDefCanvas>: created default TCanvas with name c1
root [2] ]
```

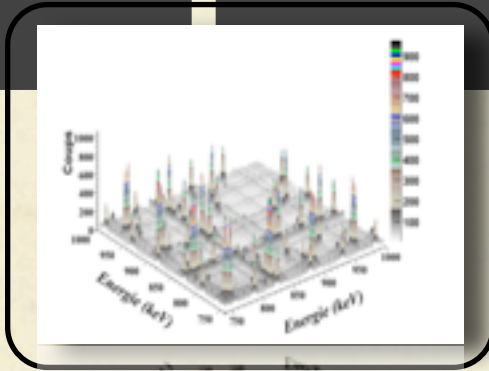
General CorrelatedSpace interface

in memory 2D

in TTree 2D

Cube

....

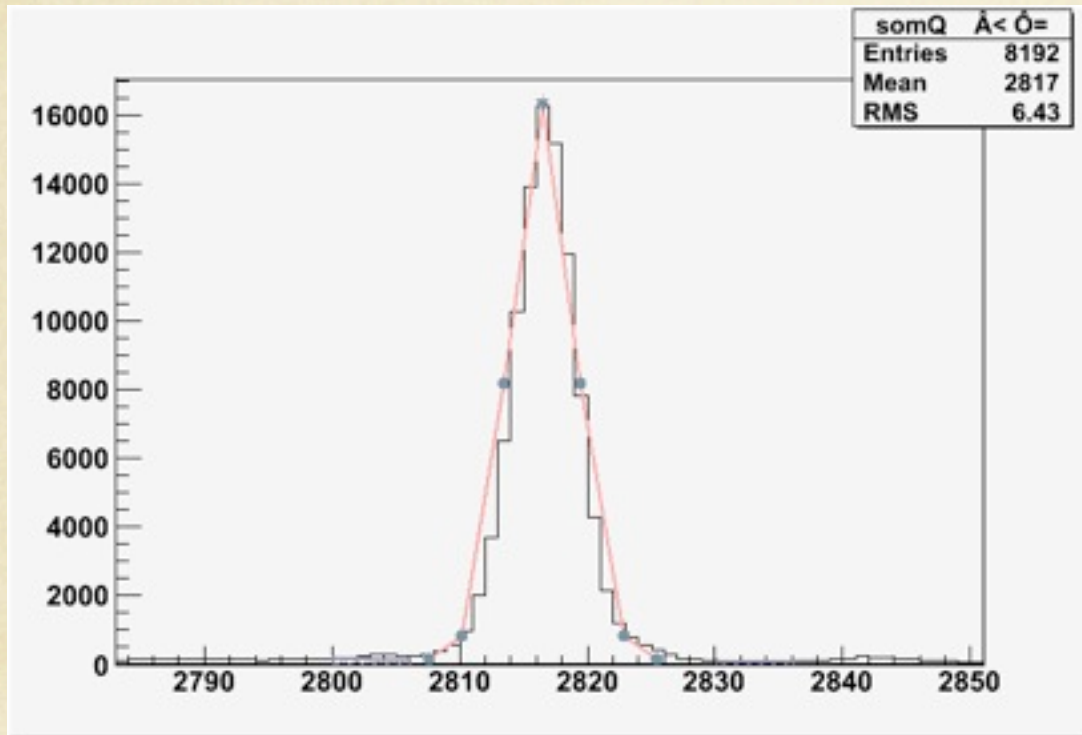


gating = filter

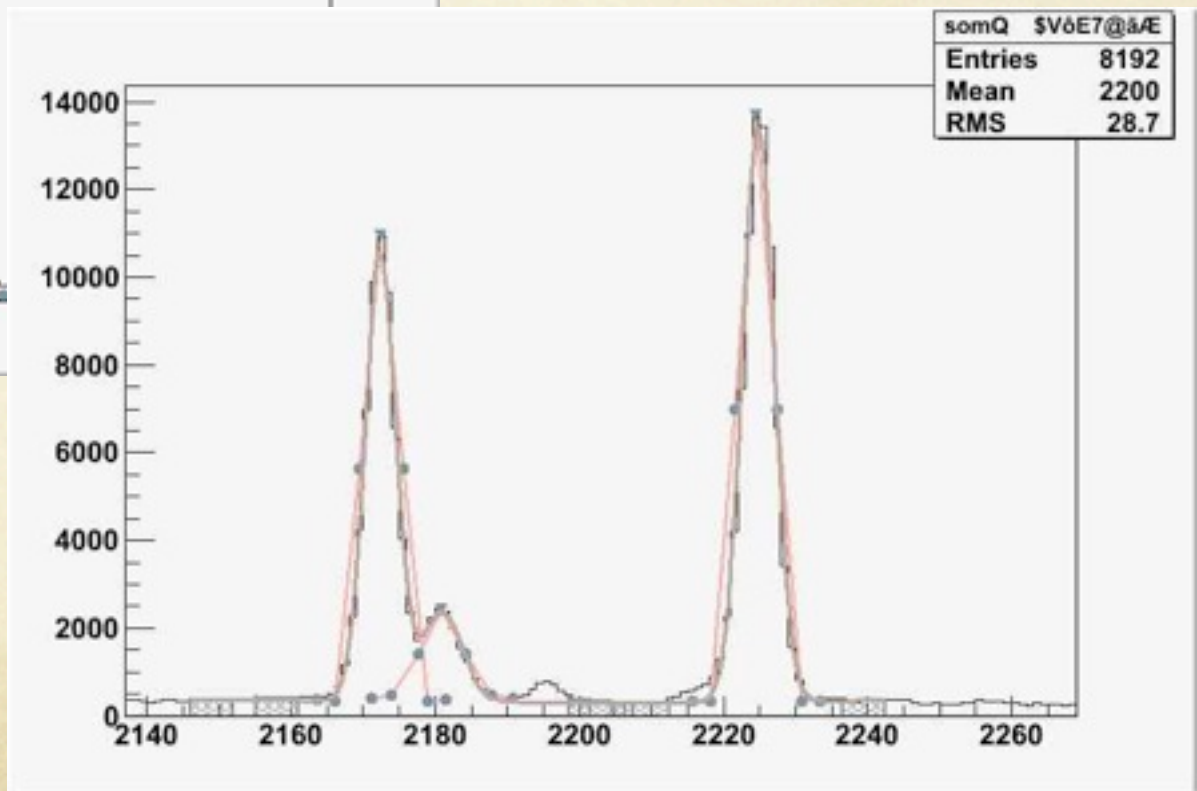
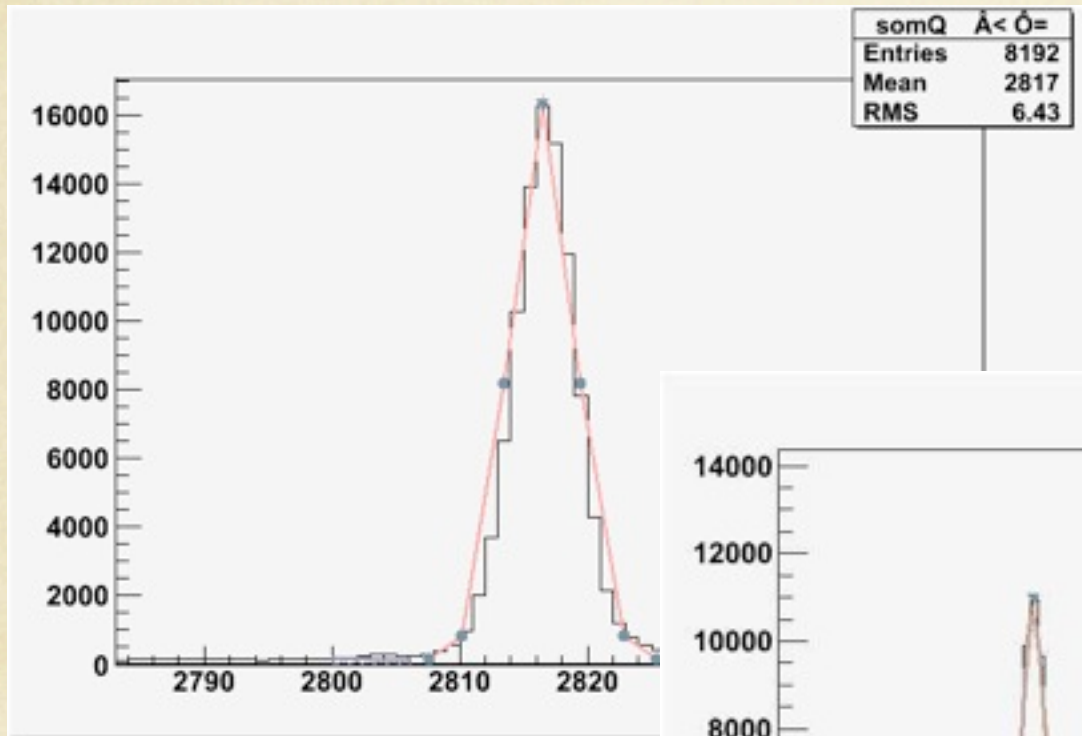
Gating on several 'matrices' at the same time
all as much as possible using graphical interface

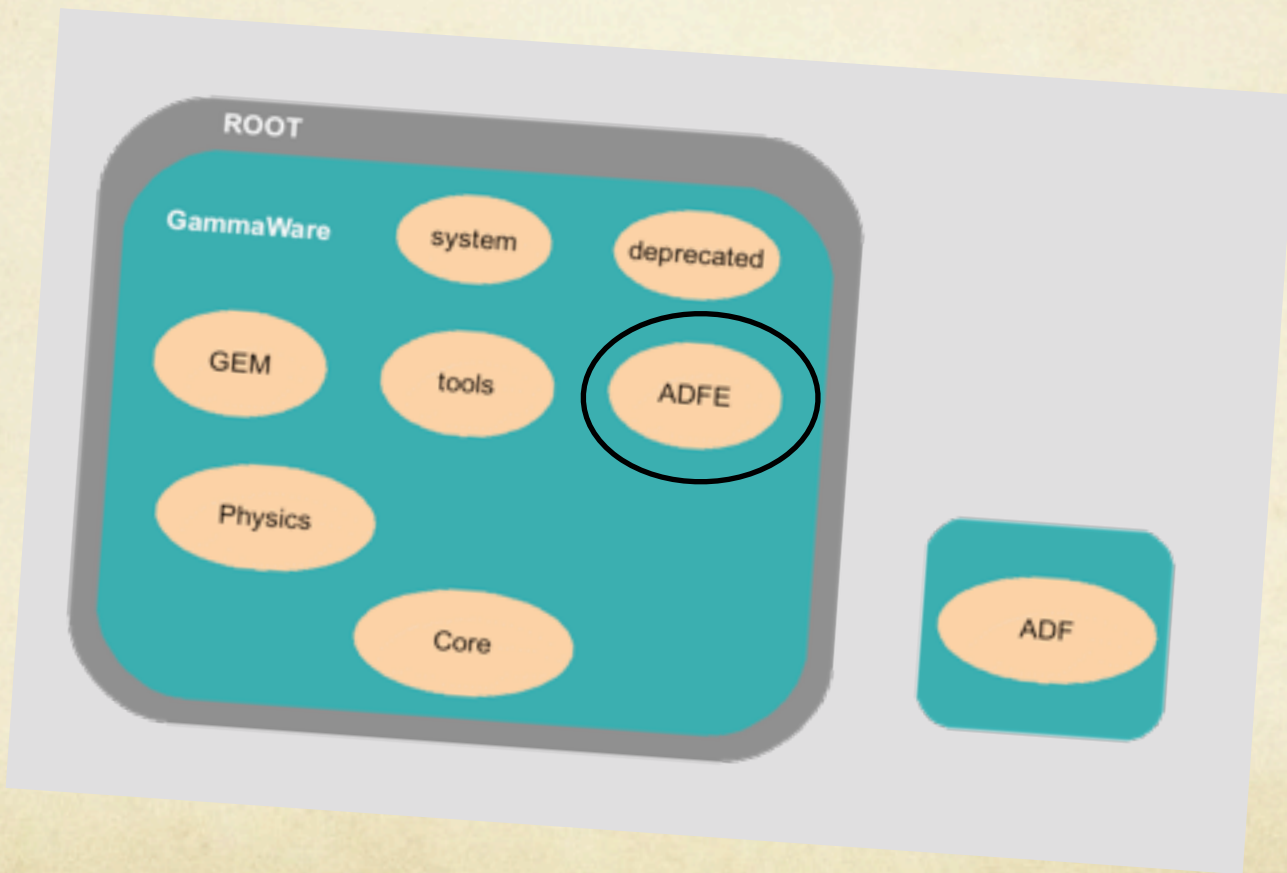
almost available ... many test before tagging GW 1.0

Graphical fit of peaks



Graphical fit of peaks

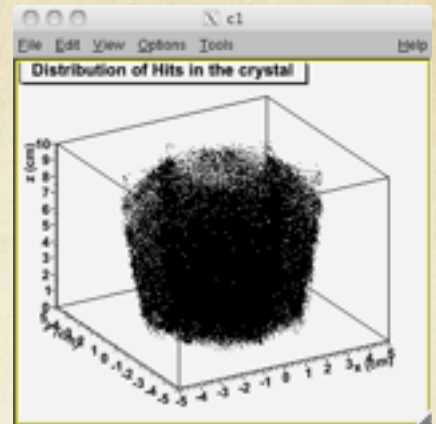




Watchers !

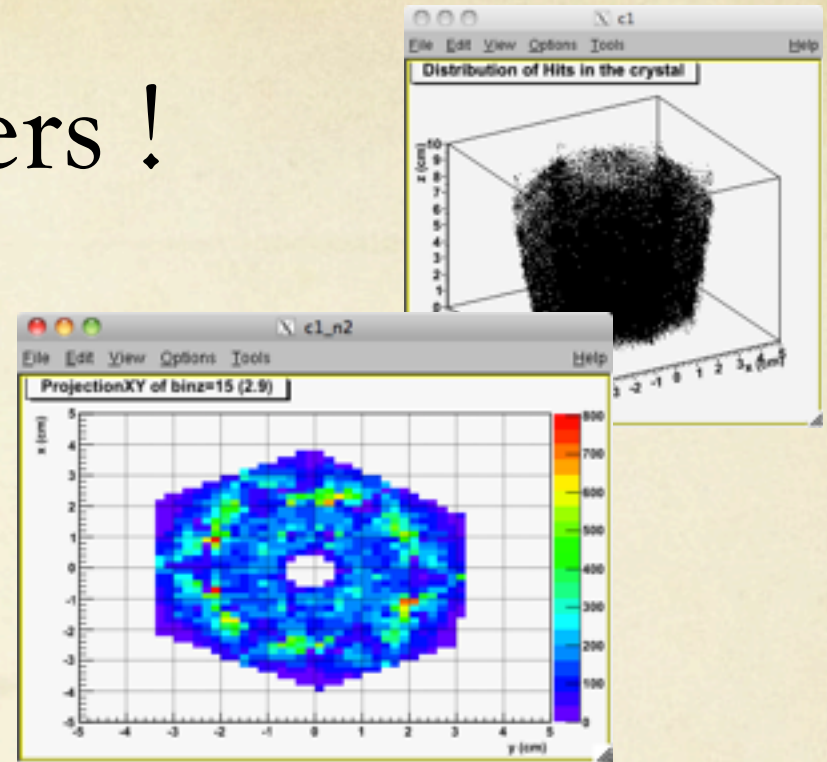
Same Online/Offline

Watchers !



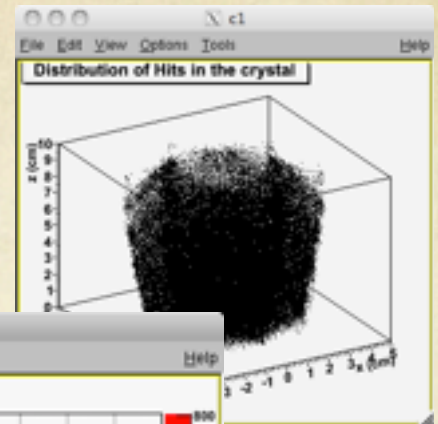
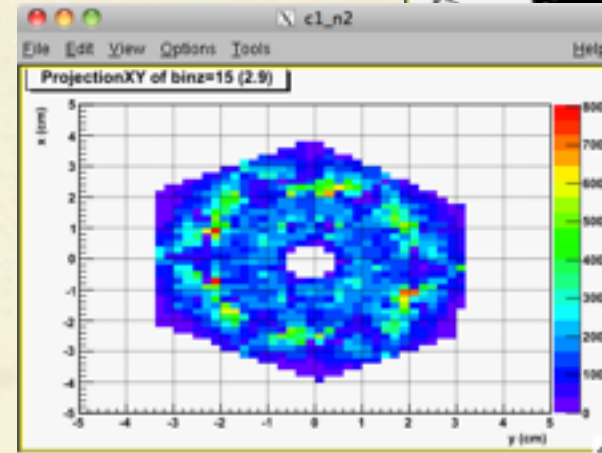
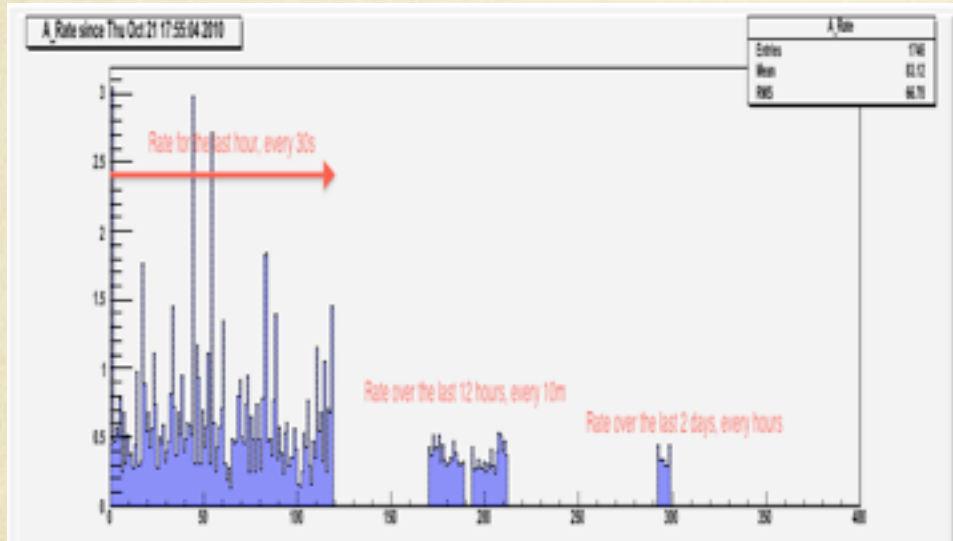
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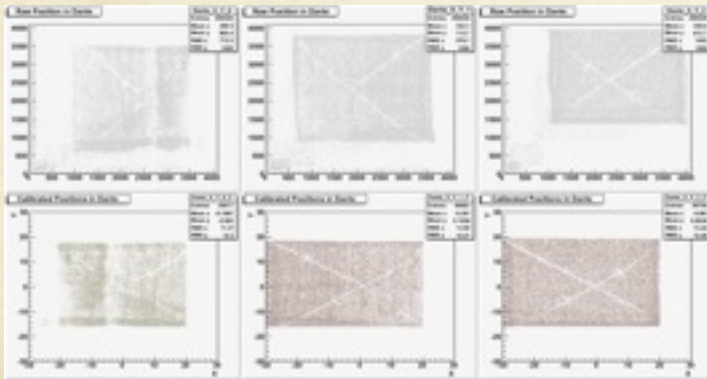
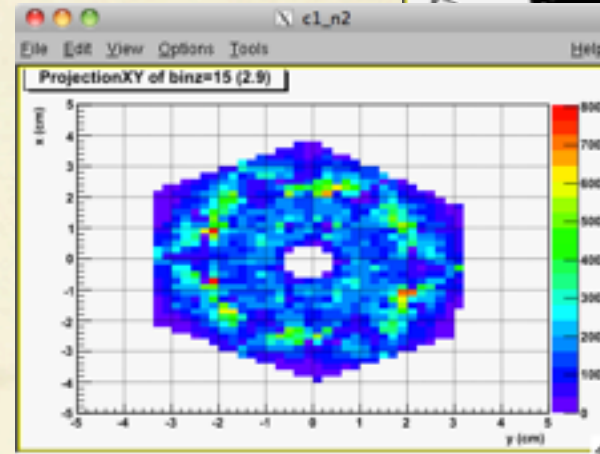
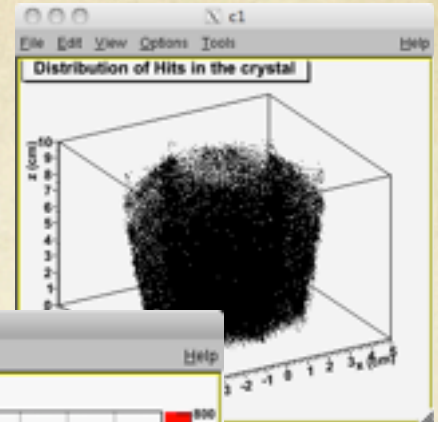
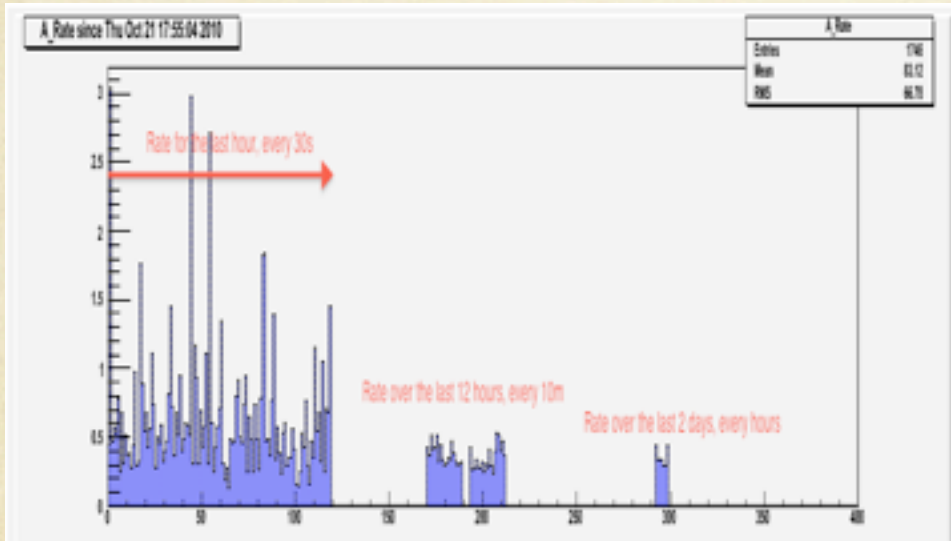
Same Online/Offline

Watchers !



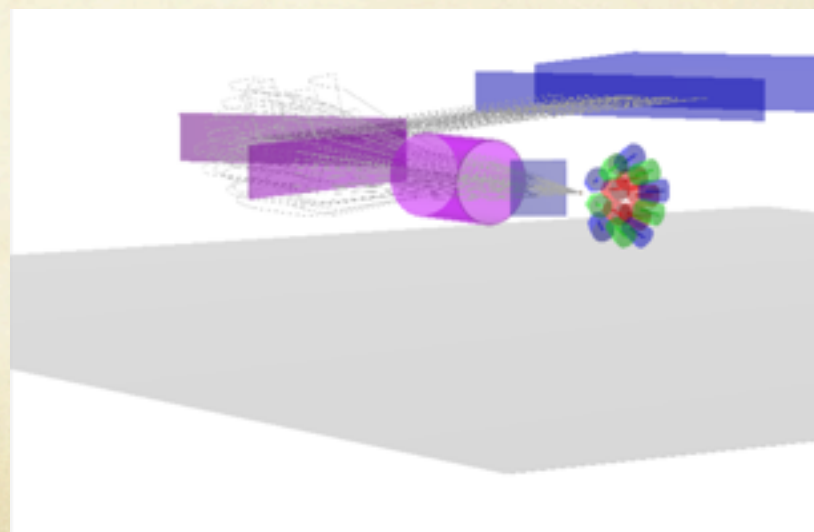
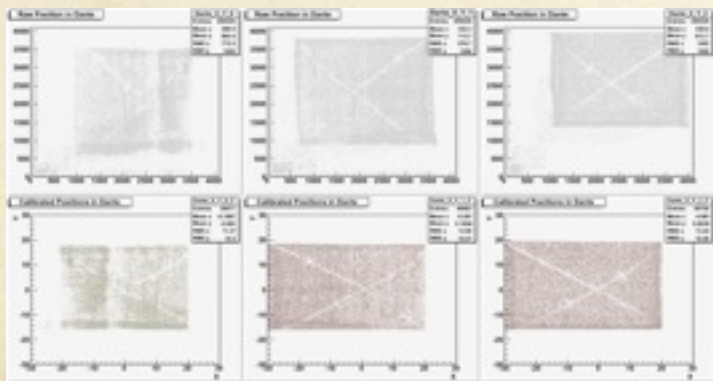
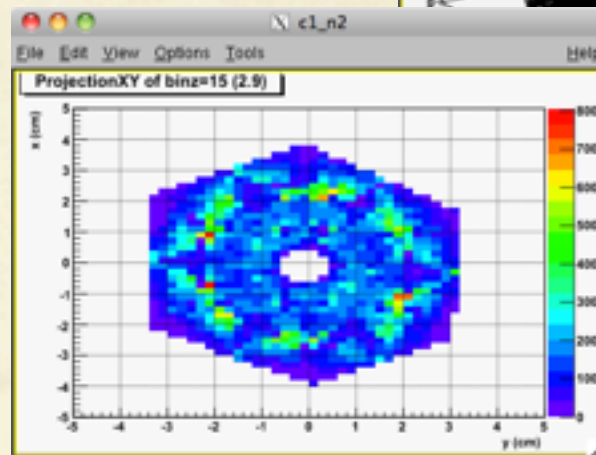
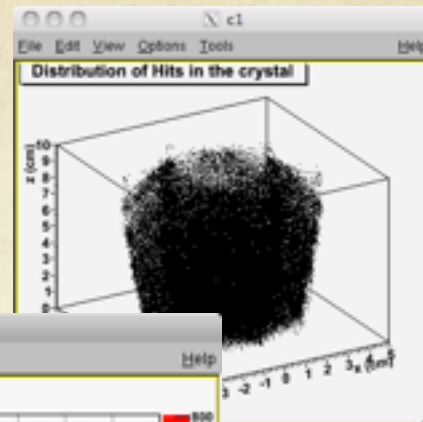
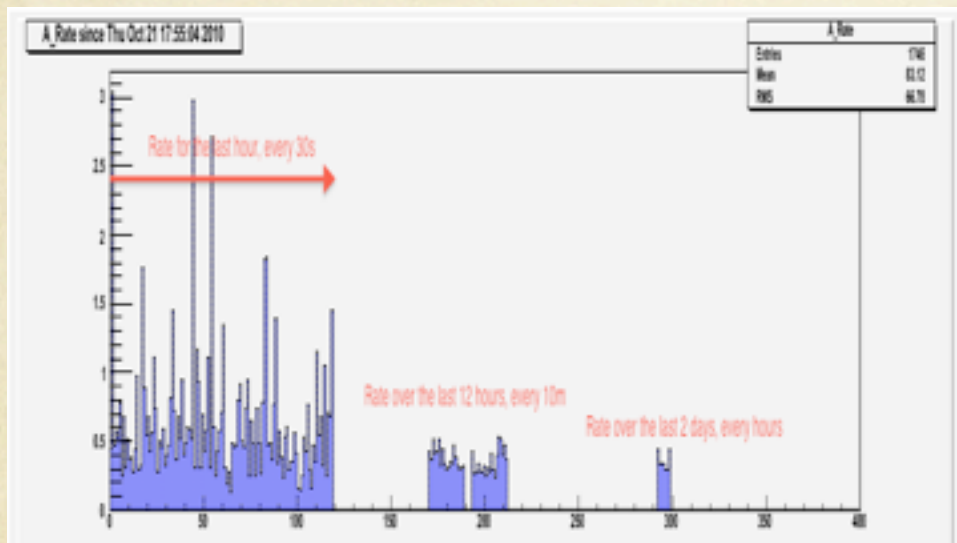
Same Online/Offline

Watchers !



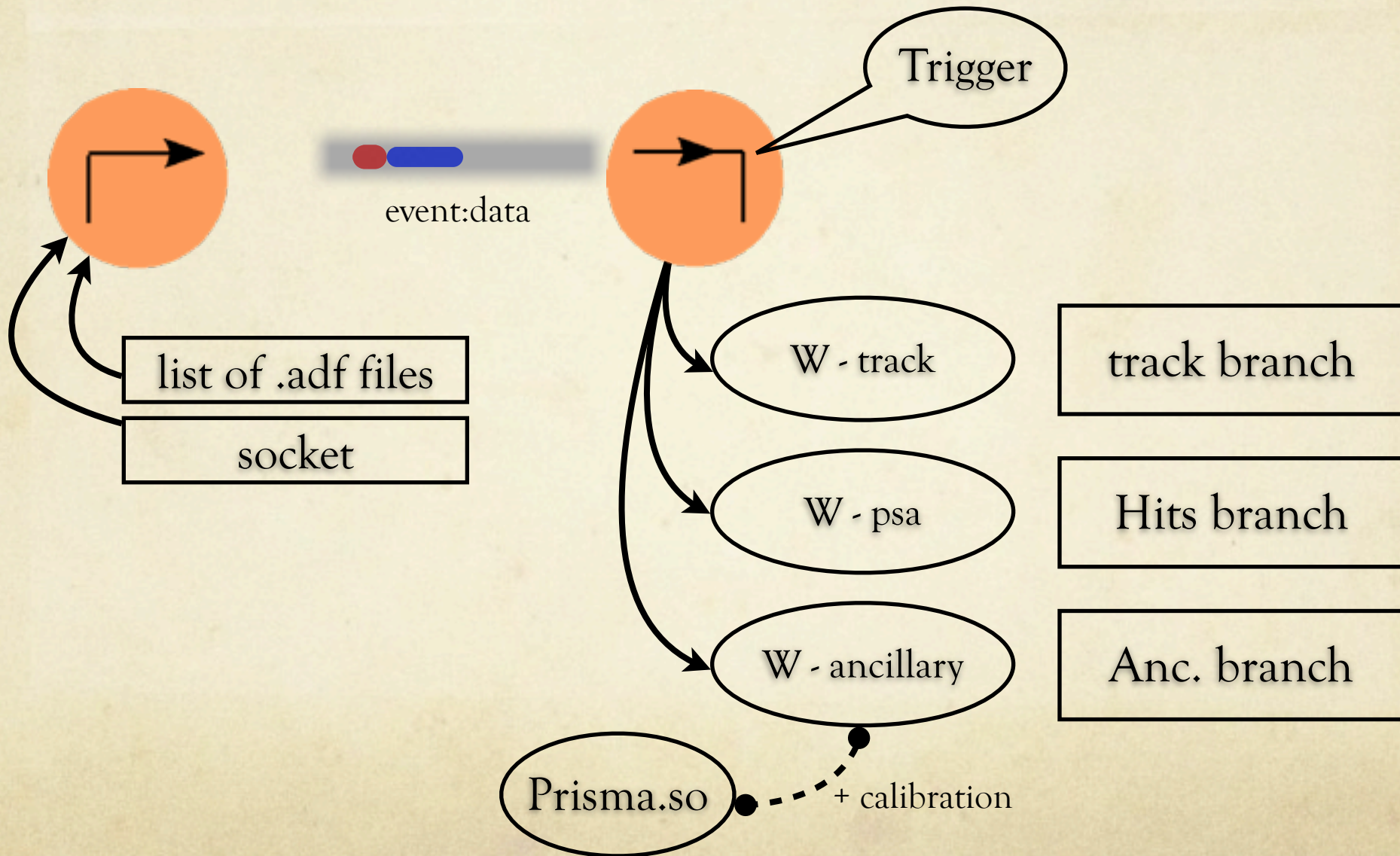
Same Online/Offline

Watchers !

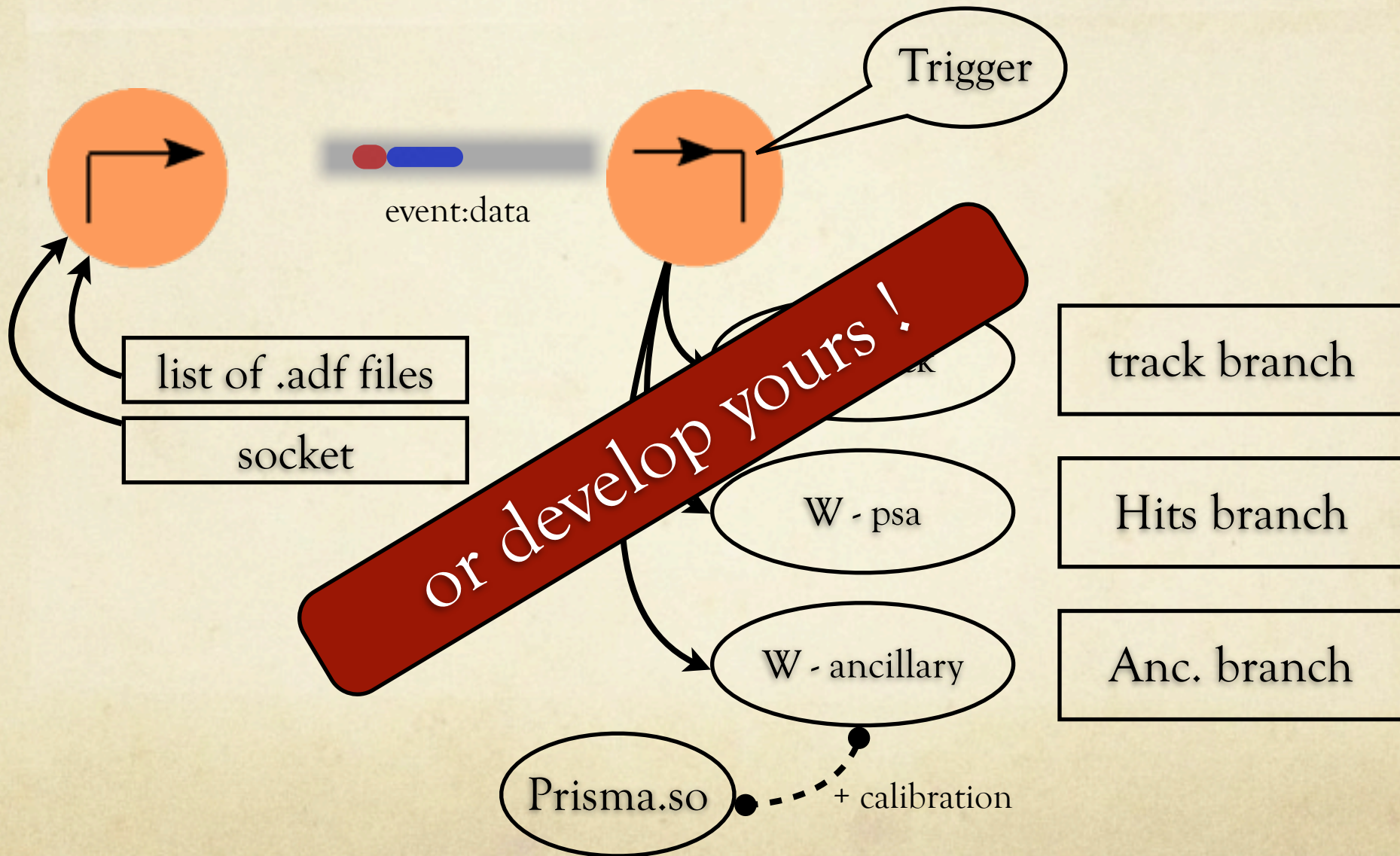


Same Online/Offline

Watchers : ADF to TTree



Watchers : ADF to TTree



DA since the last six months

- Installation GW/Watchers on site
- Watcher to check time coincidences ancillary / AGATA
- Watcher for DANTE/PRISMA (interface to PRISMA lib)
- More event display
- Graphical check of counting rates
- More around Level Scheme

GRID

- First step to use/install ROOT + GW +... on GRID
 - ➔ should be an automatic procedure (no direct access except VO-BOX)
- Idea : use grid to store data/soft for benchmarks/demos (requirement @ Cologne)
 - ① ADF ➔ TTree
 - ② Traces ➔ PSA

A lot has to be discussed to have analysis on the grid but it is a on going process

Conclusions & perspectives

More stabilities

More tests/benchmarks

More documentations

New features

New watchers ?

Exchange in the collaboration !

What else ?