

Status and update (new geom branch)

Local reconstruction

Event display

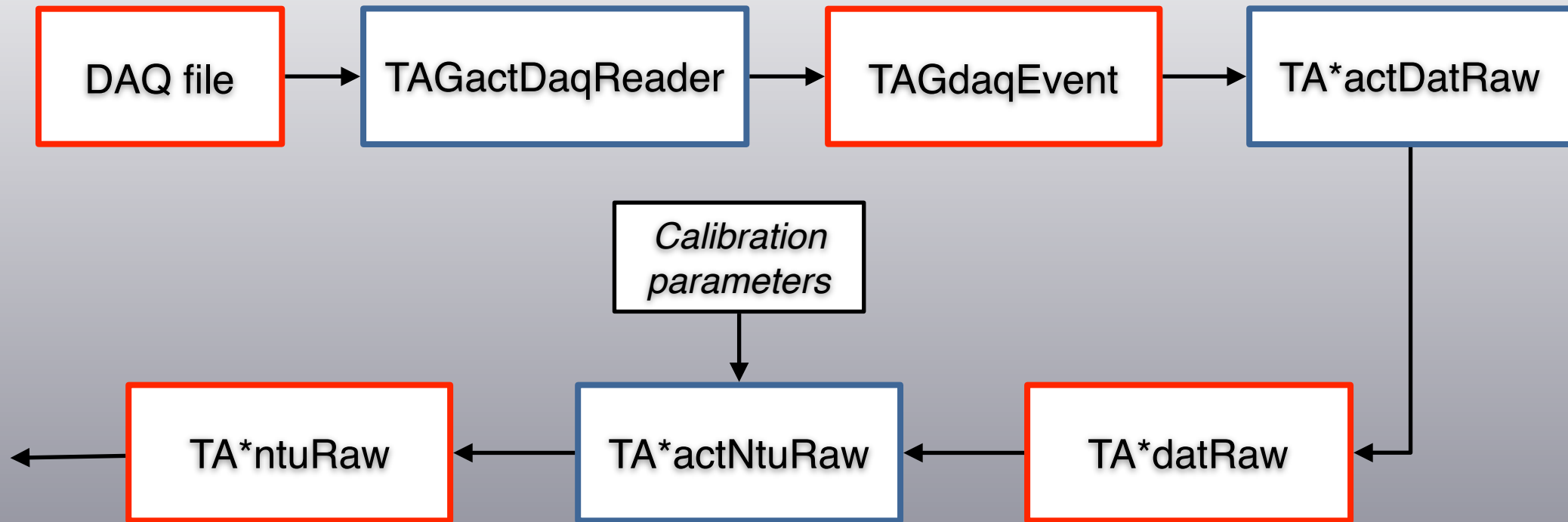
Simulation

Status Reconstruction

Conclusions

Local reconstruction (i)

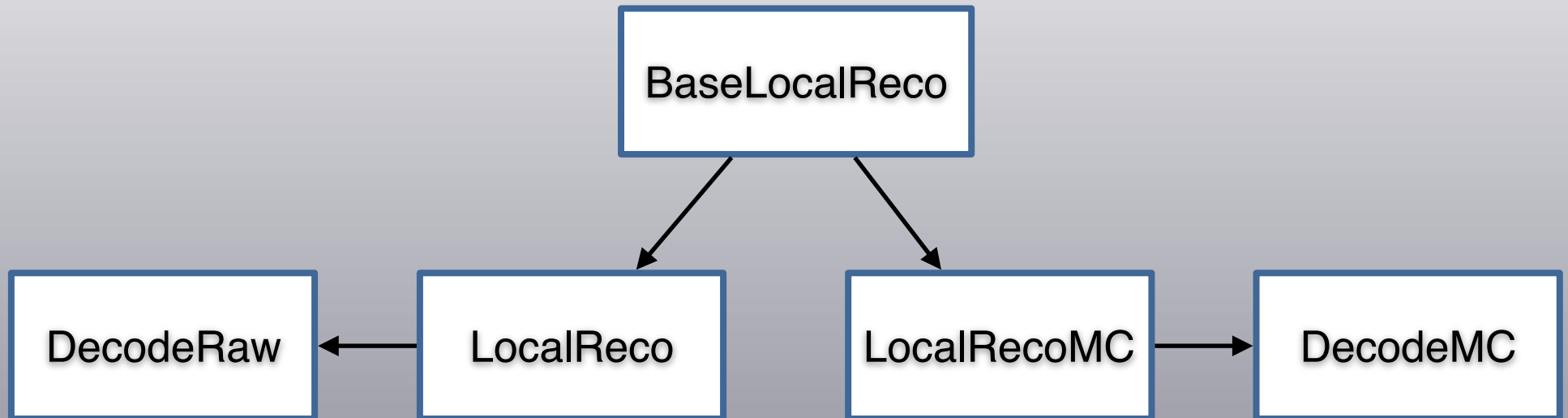
• Scheme:



- TAGactDaqReader: interface with DAQ in TAGdaq folder
- To pack/unpack DAQ event need package in TAGdaqApi (last up 13th March)
- TAGactDaqReader and TAGdaqEvent works for TDC, WD and VTX
- TA*actDatRaw & TA*datRaw and/or TA*actNtuRaw & TA*ntuRaw (except TW)

Local reconstruction (ii)

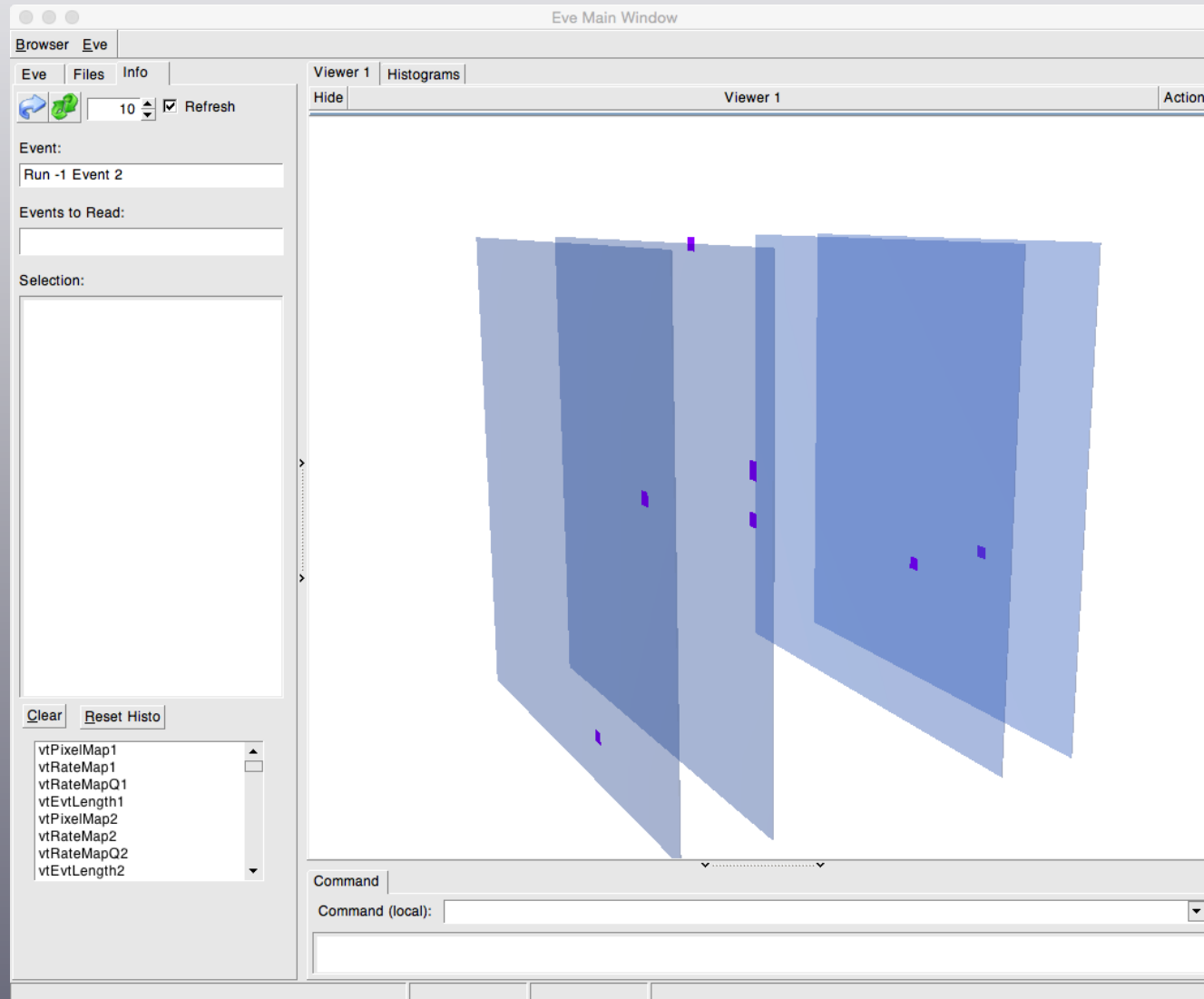
• Reconstruction/level0:



- The reconstruction actions are common to MC and real data
- Dedicated classes for actions MC and real data
- DecodeMC is available as macro or as compiled executable
- DecodeRaw is available as compiled executable, some macros exist

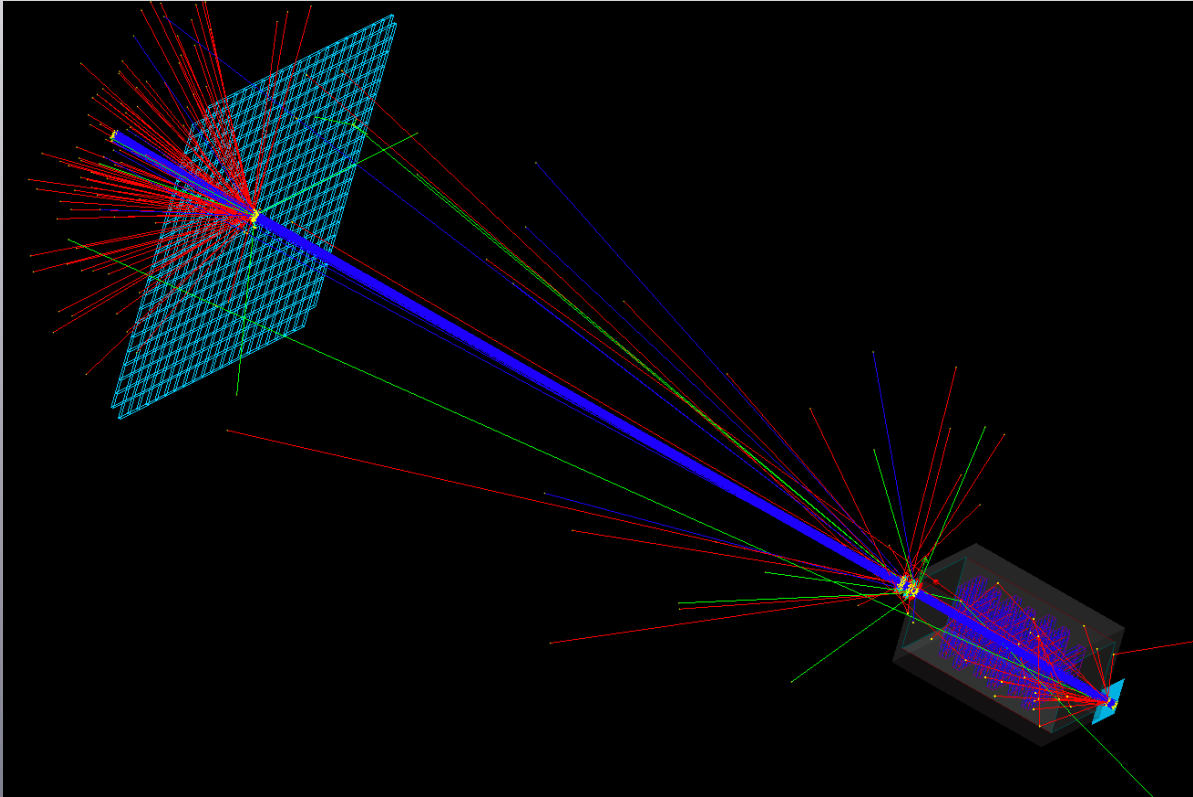
Event Display

- VTX display from generated DAQ file



Simulation

- Simulation with Fluka (cf Serena's Talk)
- Simulation with Geant4 (Marie's work)



- Interface with MC reconstruction done
- ➔ work under progress

Status reconstruction

• Reconstruction:

Detectors	Fluka MC	Geant4 MC	Std alone	DAQ file Reco	Event Display
ST	Green	Green	Green	Orange	Orange
BM	Green	Orange	Green	Green	Green
VTX	Green	Green	Green	Green	Green
TW	Green	Green	Green	Orange	Red
Global	Green	Red	White	Orange	Red

- The MC reconstruction works for all detectors & global
- Stand alone reconstruction works for all detectors
- Reconstruction from DAQ file works except TW (reco outside FOOT framework)
- Global reconstruction only for Fluka MC data, work in progress for real data

Conclusions

- Everything implemented for reconstruction, except for TW
- Some part are NOT fully tested
- Global reconstruction, work in progress for raw data