

DATA Flow report during tests

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▶ Event Number Based

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- ▶ Event Number Based
- ▶ Time Stamp based

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- ▶ Event Number Based
- ▶ Time Stamp based
- ▶ Tests with ADF

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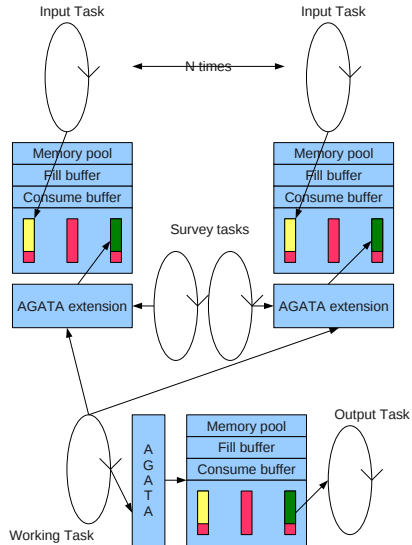
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Event builder algorithm scheme

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- ▶ Producer : File readout

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- ▶ Producer : File readout
- ▶ Filters

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- ▶ Producer : File readout
- ▶ Filters
 - ▶ PreProcessing with and without ROOT

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- ▶ Producer : File readout
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 - ▶ PreProcessing with and without ROOT
 - ▶ PSA

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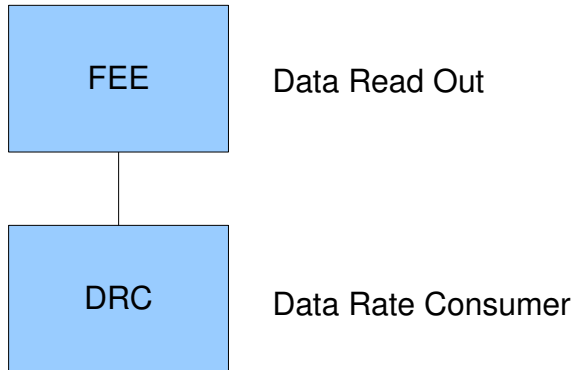
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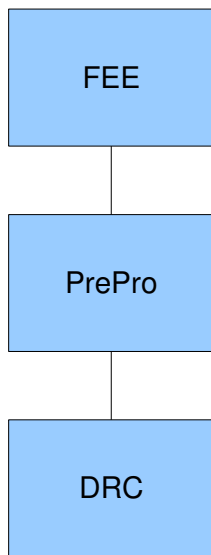
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Data Calibration

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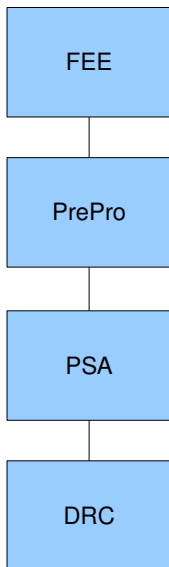
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Pulse Shape Analysis

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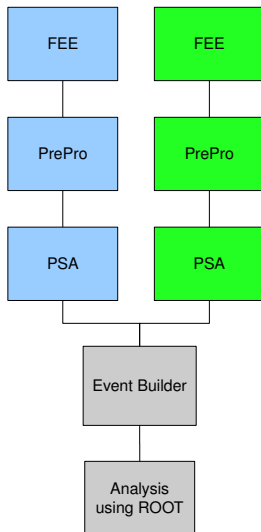
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Validation of :

- ▶ Main libraries interface

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Validation of :

- ▶ Main libraries interface
- ▶ ADF library

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Validation of :

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- ▶ ADF library
- ▶ Event builder time stamp based

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Validation of :

- ▶ Main libraries interface
- ▶ ADF library
- ▶ Event builder time stamp based

Most of the work \Rightarrow libraries integration

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Validation of :

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- ▶ ADF library
- ▶ Event builder time stamp based

Most of the work \Rightarrow libraries integration
Following weeks work

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Validation of :

- ▶ Main libraries interface
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- ▶ Event builder time stamp based

Most of the work \Rightarrow libraries integration

Following weeks work

- ▶ Using GRU instead of ROOT

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Validation of :

- ▶ Main libraries interface
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- ▶ Event builder time stamp based

Most of the work \Rightarrow libraries integration

Following weeks work

- ▶ Using GRU instead of ROOT
- ▶ Integrate Tracking in Data Flow

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- ▶ Adaptation of carrier linux driver to Narval Nodes Operating System (Debian GNU/Linux 64 bits)

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- ▶ Adaptation of carrier linux driver to Narval Nodes Operating System (Debian GNU/Linux 64 bits)
- ▶ Tests different topologies with data taken directly from crystal

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Xavier Grave

- ▶ Adaptation of carrier linux driver to Narval Nodes Operating System (Debian GNU/Linux 64 bits)
- ▶ Tests different topologies with data taken directly from crystal
- ▶ Two new actors to distribute and collect data to ease parallel work

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- ▶ Producer : File readout

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- ▶ Producer : File readout
- ▶ Filters

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- ▶ Producer : File readout
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 - ▶ PreProcessing

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- ▶ Producer : File readout
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ROOT histogramming replaced by GRU servers and vigruc client

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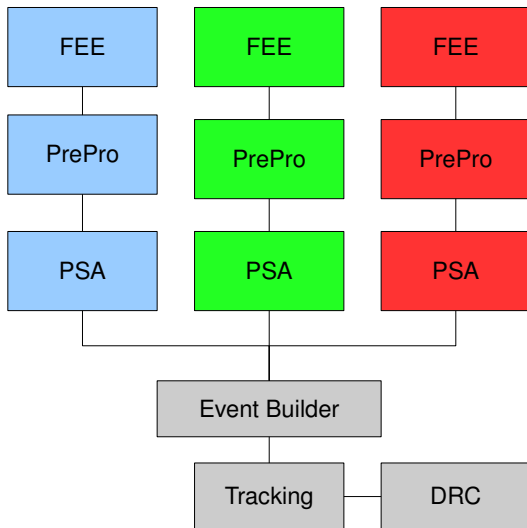
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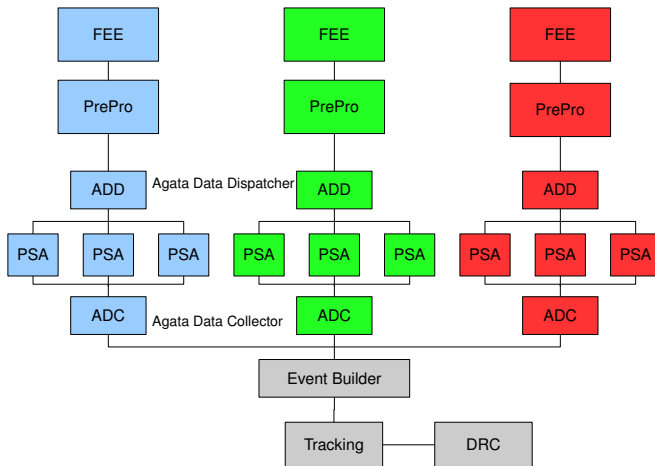
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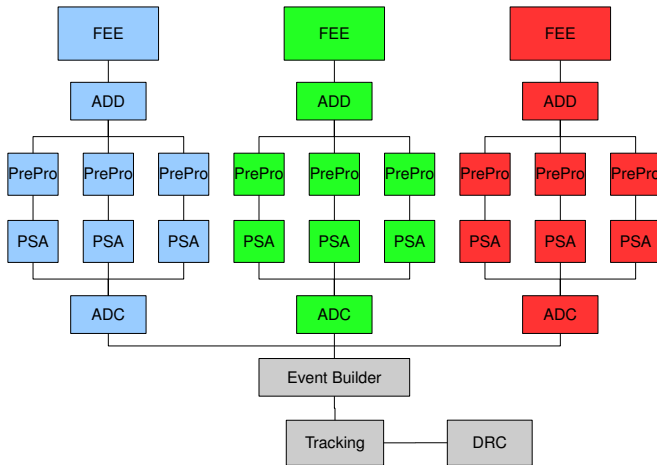
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Validation of :

- ▶ Full Chain from Crystals to Tracking, including
 - ▶ ADF interfacing
 - ▶ GRU histogramming

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Validation of :

- ▶ Full Chain from Crystals to Tracking, including
 - ▶ ADF interfacing
 - ▶ GRU histogramming
- ▶ Complex topologies, except for the more complex one

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- ▶ Topologies files
 - ▶ PCIXpress Data readout
 - ▶ Raw Files readout

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- ▶ Topologies files
 - ▶ PCIXpress Data readout
 - ▶ Raw Files readout
- ▶ Narval script files
 - ▶ Run Control compatible ones
 - ▶ Narval Shell compatible ones

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- ▶ Topologies files
 - ▶ PCIXpress Data readout
 - ▶ Raw Files readout
- ▶ Narval script files
 - ▶ Run Control compatible ones
 - ▶ Narval Shell compatible ones
- ▶ Wiki documentation
 - ▶ Topologies description
 - ▶ Cracow and Run Control How To
 - ▶ Troubleshooting
 - ▶ Wiki clone <http://csngwinfo.in2p3.fr/mediawiki>
 - ▶ Original wiki <http://tursiops/> from DAQ LAN

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- ▶ Producer : File readout and PCIXpress readout

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- ▶ Producer : File readout and PCIXpress readout
- ▶ Filters

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- ▶ Producer : File readout and PCIXpress readout
- ▶ Filters
 - ▶ PreProcessing

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- ▶ Producer : File readout and PCIXpress readout
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 - ▶ Tracking
- ▶ Consumer

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- ▶ Producer : File readout and PCIXpress readout
- ▶ Filters
 - ▶ PreProcessing
 - ▶ PSA
 - ▶ Tracking
- ▶ Consumer
 - ▶ Storage, available but not used

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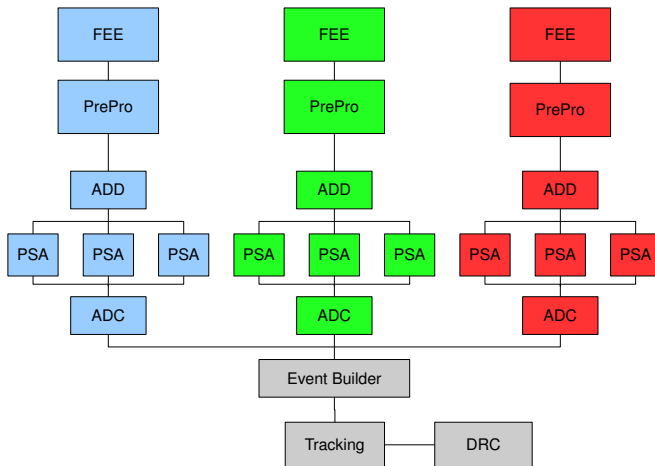
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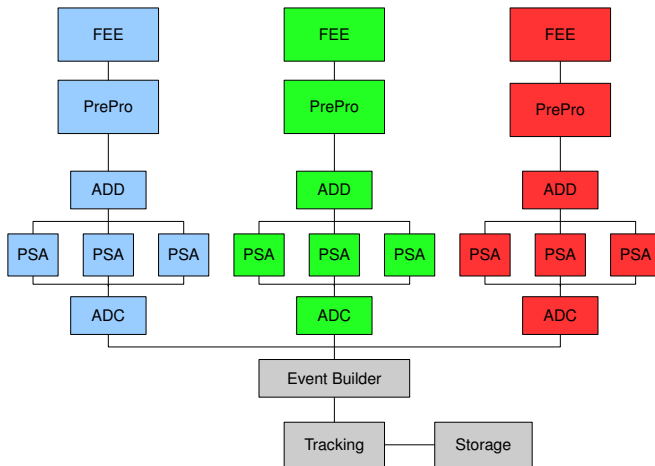
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Validation of :

- ▶ Full Data Flow

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Validation of :

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 - ▶ PCIXpress readout in data flow

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Validation of :

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 - ▶ PCIXpress readout in data flow
 - ▶ All algorithms integration (readout, preprocessing, psa, tracking)

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- ▶ Full Data Flow
 - ▶ PCIXpress readout in data flow
 - ▶ All algorithms integration (readout, preprocessing, psa, tracking)
 - ▶ Run Control

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Validation of :

- ▶ Full Data Flow
 - ▶ PCIXpress readout in data flow
 - ▶ All algorithms integration (readout, preprocessing, psa, tracking)
 - ▶ Run Control
 - ▶ Cracow GUI

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Future work :

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Validation of :

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 - ▶ All algorithms integration (readout, preprocessing, psa, tracking)
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 - ▶ Cracow GUI

Future work :

- ▶ Include ancillary detector

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Validation of :

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 - ▶ All algorithms integration (readout, preprocessing, psa, tracking)
 - ▶ Run Control
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Future work :

- ▶ Include ancillary detector
- ▶ Optimize various codes (Event Builder, ADF library, PSA...)

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