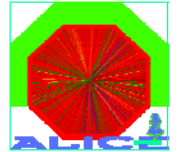
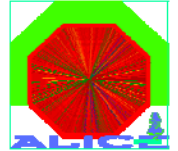




V0 Offline Status



V0 calibration status



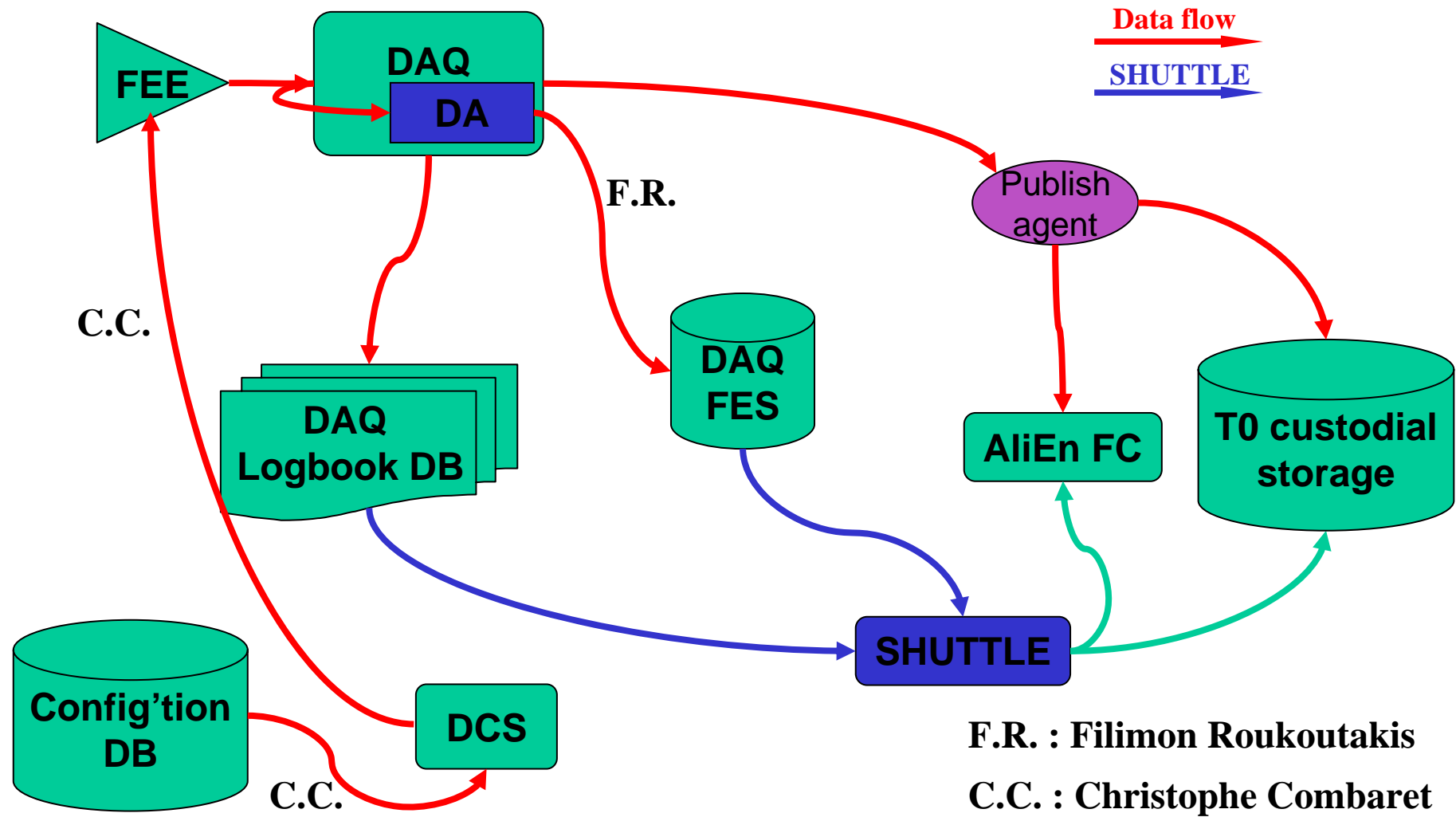
Calibration **CDB file** has been created and CDB reading implemented.

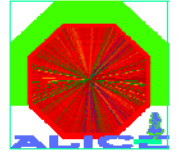
Calibration parameters stored into CDB are :

- 128 gains, 128 pedestal means, 128 pedestal sigmas (2 QDC per channel)
- 64 time gains and 64 time offsets

i.e. 512 floats, **4 kB**

All these parameters are accessible through class **AliVZEROCalibData**



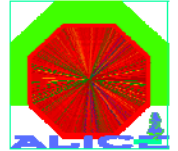


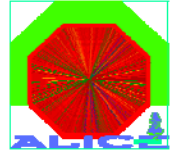
Calibration procedure

- Calibration parameters are computed online in the DAQ LDC/monitoring farm during physics run
- Results are made available as ROOT files in the DAQ FES
- After run, current values are compared with reference values in order to update the FEE if necessary



V0 Offline Status





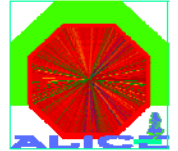
Online output data for DAQ and monitoring :

An event as seen by the V0 Front End Electronics will be:

- Charges (64).
- Arrival times (64) and time response widths (64).
- Beam-Beam (BB) and Beam-Gas (BG) flags (64).
- States of the 5 triggers sent to the CTP (MinBias, BB, BG, Central, SemiCentral).

For each event triggered by a L2 signal coming from the CTP (called Event-Of-Interest), the following information will be sent to the DAQ:

1. The event of interest itself with all the parameters listed above, **for physics analysis**
2. The events between **EoI-10 to EoI+10** (charges and BB/BG flags), **for monitoring pedestals, pile-up...**
3. The **10 last V0 Minimum Bias** events (charges and BB/BG flags), **for monitoring gains**



Summary of calibration procedure

Gains and pedestals will be computed by Online Monitoring using dedicated data (**minimum bias** and **+/- 10 around the event of interest** mini-events respectively) stored in the FEE and sent to the DAQ with the events of interest.

Note that this procedure is achieved by the FEE **independently of the Central Trigger Processor**.

These values will be written in the Calibration Data Base for later use by offliners and updated at each run change.

Validity period will be run interval unless a hardware failure occurs.

Writing access should be given to authorized people only and as frequently as needed for special updating.