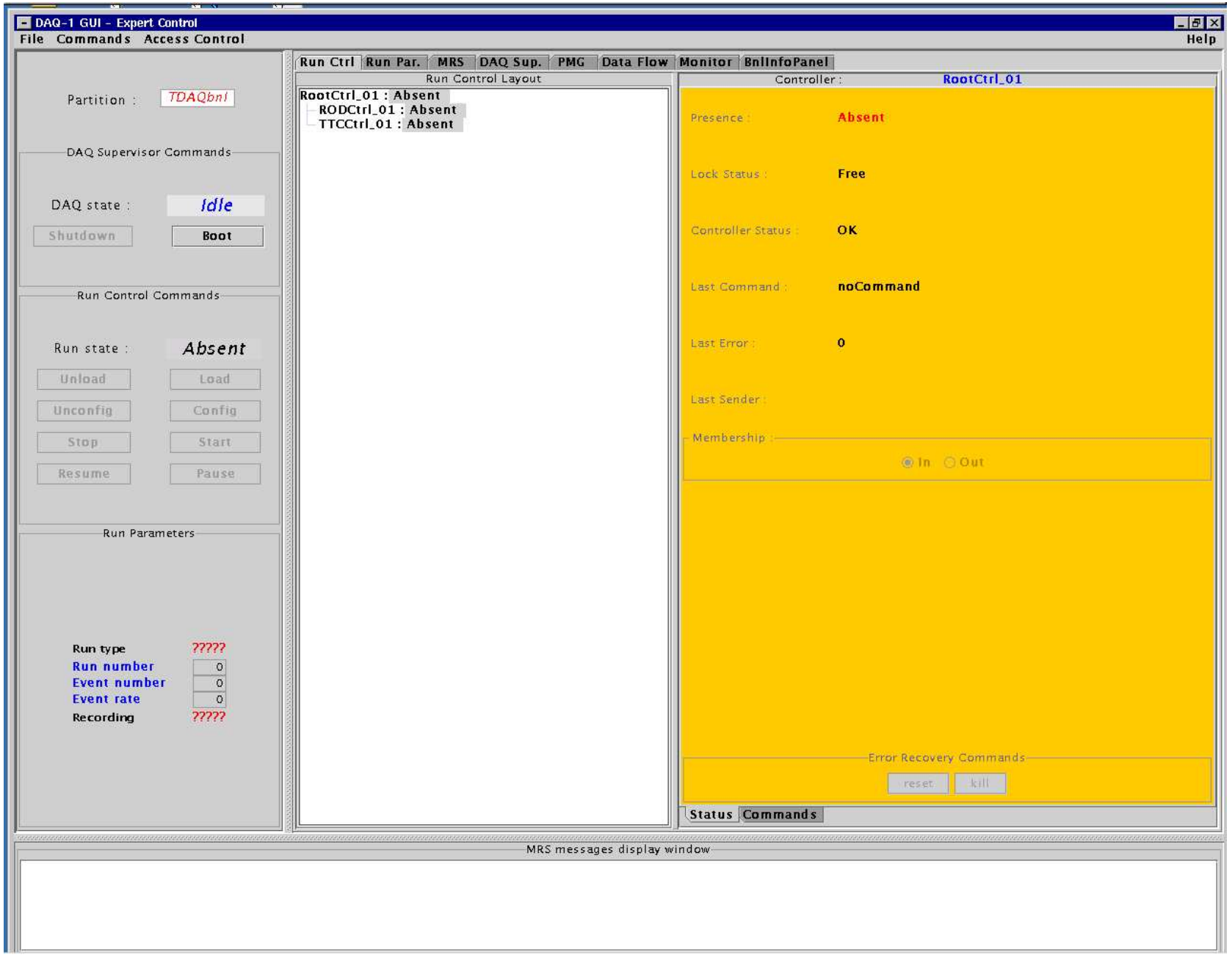
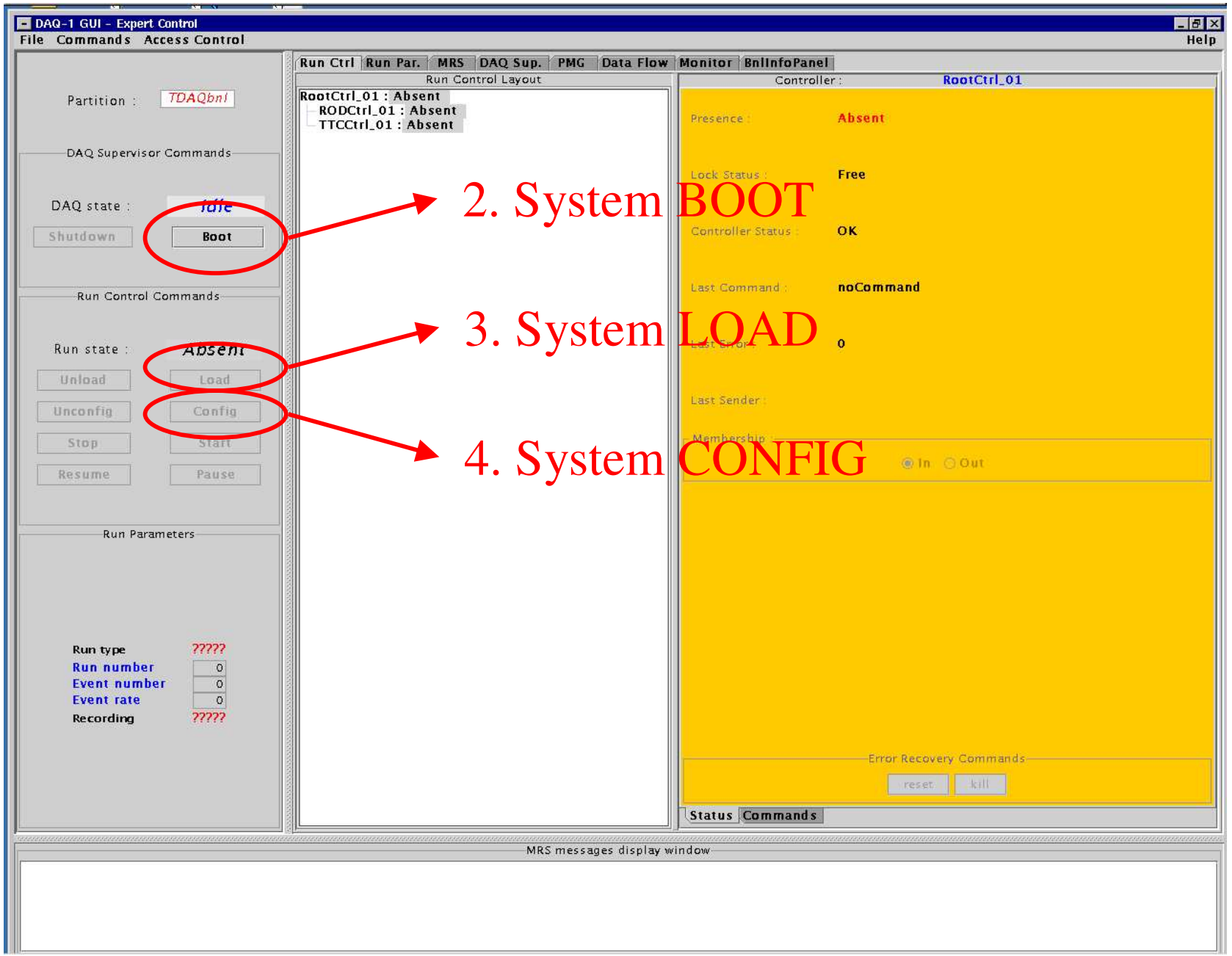
# LargOnline software status

- Integration into TDAQ
- Conclusion


DAQ-1 GUI - Expert Control
File Commands Access Control
Help
Partition : TDAQbnl
DAQ Supervisor Commands
DAQ state : Idle
Shutdown
Boot
Run Control Commands
Run state : Absent
Unload
Load
Unconfig
Config
Stop
Start
Resume
Pause
Run Parameters
Run type ?????
Run number 0
Event number 0
Event rate 0
Recording ?????
Run Ctrl
Run Par.
MRS
DAQ Sup.
PMG
Data Flow
Monitor
BnlInfoPanel
Run Control Layout
RootCtrl_01 : Absent
RODCtrl_01 : Absent
TTCCtrl_01 : Absent
Controller : RootCtrl_01
Presence : Absent
Lock Status : Free
Controller Status : OK
Last Command : noCommand
Last Error : 0
Last Sender :
Membership :
In
Out
Error Recovery Commands
reset
kill
Status
Commands
MRS messages display window

# Parameters setting in TDAQ

- 1. Run the TDAQ-IGUI
  - play_daq TDAQbnl no_obj
  - valid configuration database
- 2. System BOOT
  - all the controllers are executed
  - controller parameters are read from the partition's database
- 3. System LOAD
  - all the controllers execute the command LOAD
  - some values can be re-actualized via the Information Server
- 4. System CONFIG
  - all the controllers execute the command CONFIG
  - some values can be re-actualized via the Information Server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2. System BOOT
3. System LOAD
4. System CONFIG

```
# feb params
# FEB_NGAIN_SELECTORS = 8,

"Mode:x"            0 1 2 3 4 5 6 7 #          int              mode[FEB_NGAIN_SELECTORS];
"Gain1:x"           8 9 a b c d e f #          int              gain1[FEB_NGAIN_SELECTORS];
"Gain2:x"           0 1 2 3 4 5 6 7 #          int              gain2[FEB_NGAIN_SELECTORS];
"Gain3:x"           8 9 a b c d e f #          int              gain3[FEB_NGAIN_SELECTORS];
"Extra:x"           0 1 2 3 4 5 6 7 #          int              extra[FEB_NGAIN_SELECTORS];
"Uthreshold:x"      8 9 a b c d e f #          int              u_threshold[FEB_NGAIN_SELECTORS];
"Lthreshold:x"      0 1 2 3 4 5 6 7 #          int              l_threshold[FEB_NGAIN_SELECTORS];

                                    #          //SCA control
"Gain Mode:d"       5               #          unsigned int     gainmode;
"Nb Samples:d"      7               #          unsigned int     nsamples;
"Latency:d"         100             #          unsigned int     latency;
"First Samle:d"     1               #          unsigned int     firstSample;
"Gain Duration:d"   14              #          unsigned int     sameGainDuration;
"Read Delay:d"      5               #          unsigned int     readOutDelay;

                                    #          //TTCrx
"Fine Delay1:d"     4               #          unsigned int     fineDly1;
"Fine Delay2:d"     5               #          unsigned int     fineDly2;
"Corse Delay:d"     10              #          unsigned int     coarseDly;
```

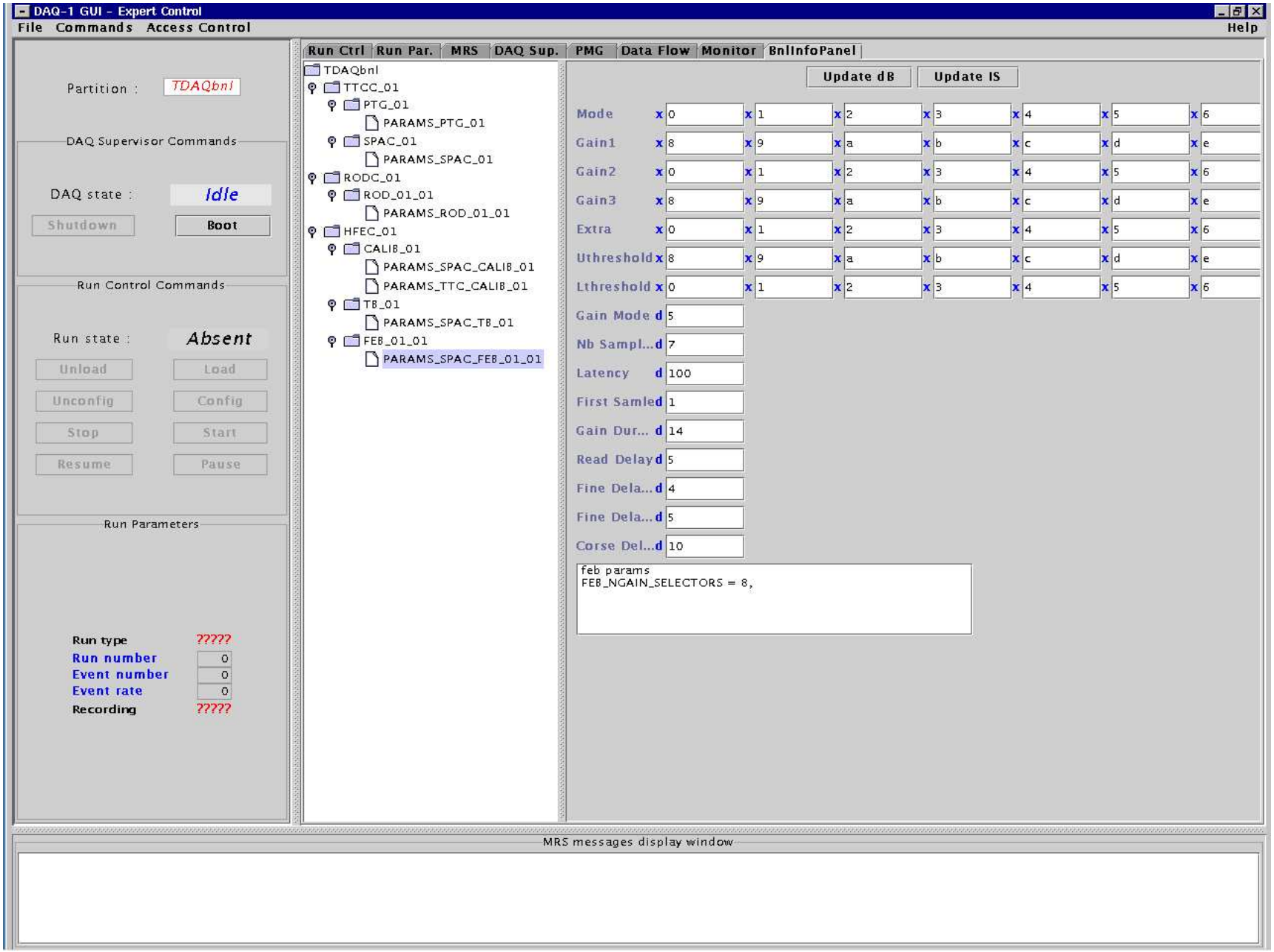
} Special comment fields

**Label**

**Field Type (e.g. x = hexadecimal, d = decimal, etc.); Optional field**

**Values representing the edit fields**

**Comments**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TTCC_01
PTG_01
PARAMS_PTG_01
SPAC_01
PARAMS_SPAC_01
RODC_01
ROD_01_01
PARAMS_ROD_01_01
HFEC_01
CALIB_01
PARAMS_SPAC_CALIB_01
PARAMS_TTC_CALIB_01
TB_01
PARAMS_SPAC_TB_01
FEB_01_01
PARAMS_SPAC_FEB_01_01
Update dB
Update IS
Mode x 0 x 1 x 2 x 3 x 4 x 5 x 6
Gain1 x 8 x 9 x a x b x c x d x e
Gain2 x 0 x 1 x 2 x 3 x 4 x 5 x 6
Gain3 x 8 x 9 x a x b x c x d x e
Extra x 0 x 1 x 2 x 3 x 4 x 5 x 6
Uthreshold x 8 x 9 x a x b x c x d x e
Lthreshold x 0 x 1 x 2 x 3 x 4 x 5 x 6
Gain Mode d 5
Nb Sampl... d 7
Latency d 100
First Samled 1
Gain Dur... d 14
Read Delay d 5
Fine Dela... d 4
Fine Dela... d 5
Corse Del... d 10
feb params
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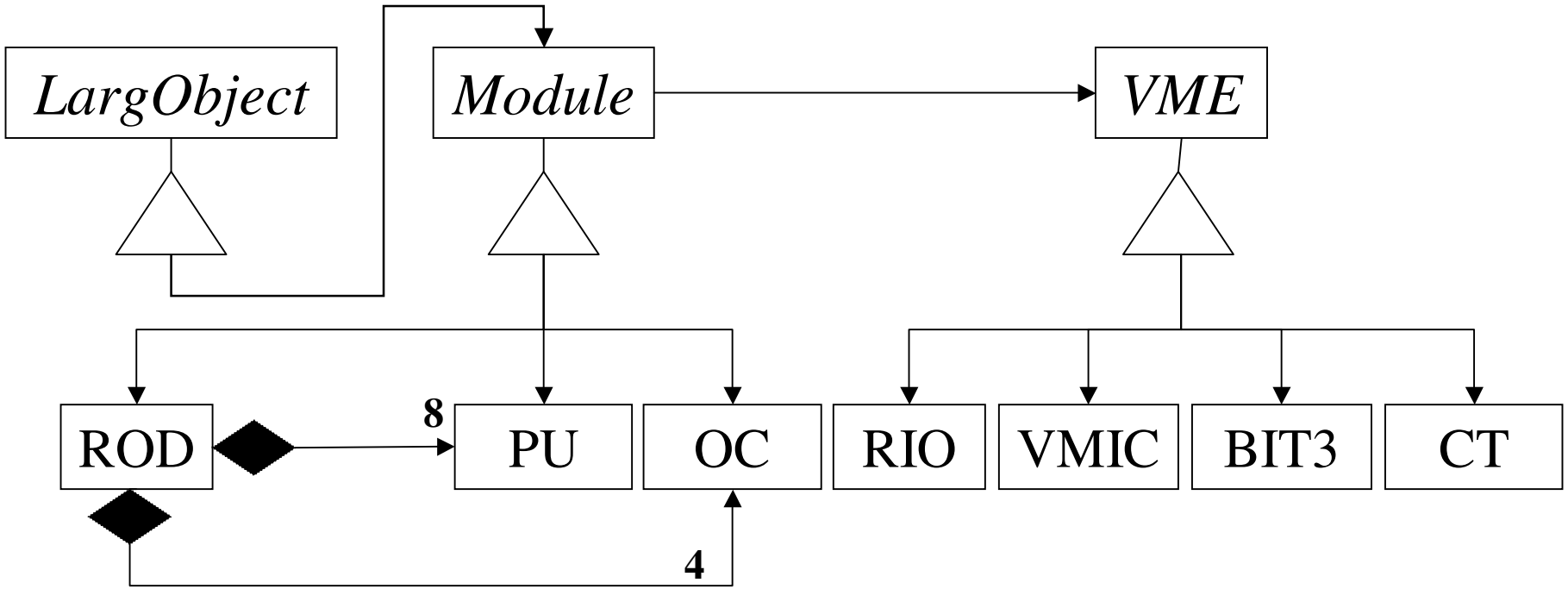
# Role of the class *LargObject*




*LargObject*: - Params super-class
- SetDb & SetIs - methods

*ROD*: - RodParams extended-class
- RodParams specific parameters

# Conclusions

- Controller (Fatih)
- Automatic configuration mechanism
- Prepared for
  - Tests at BNL
  - BEC Test