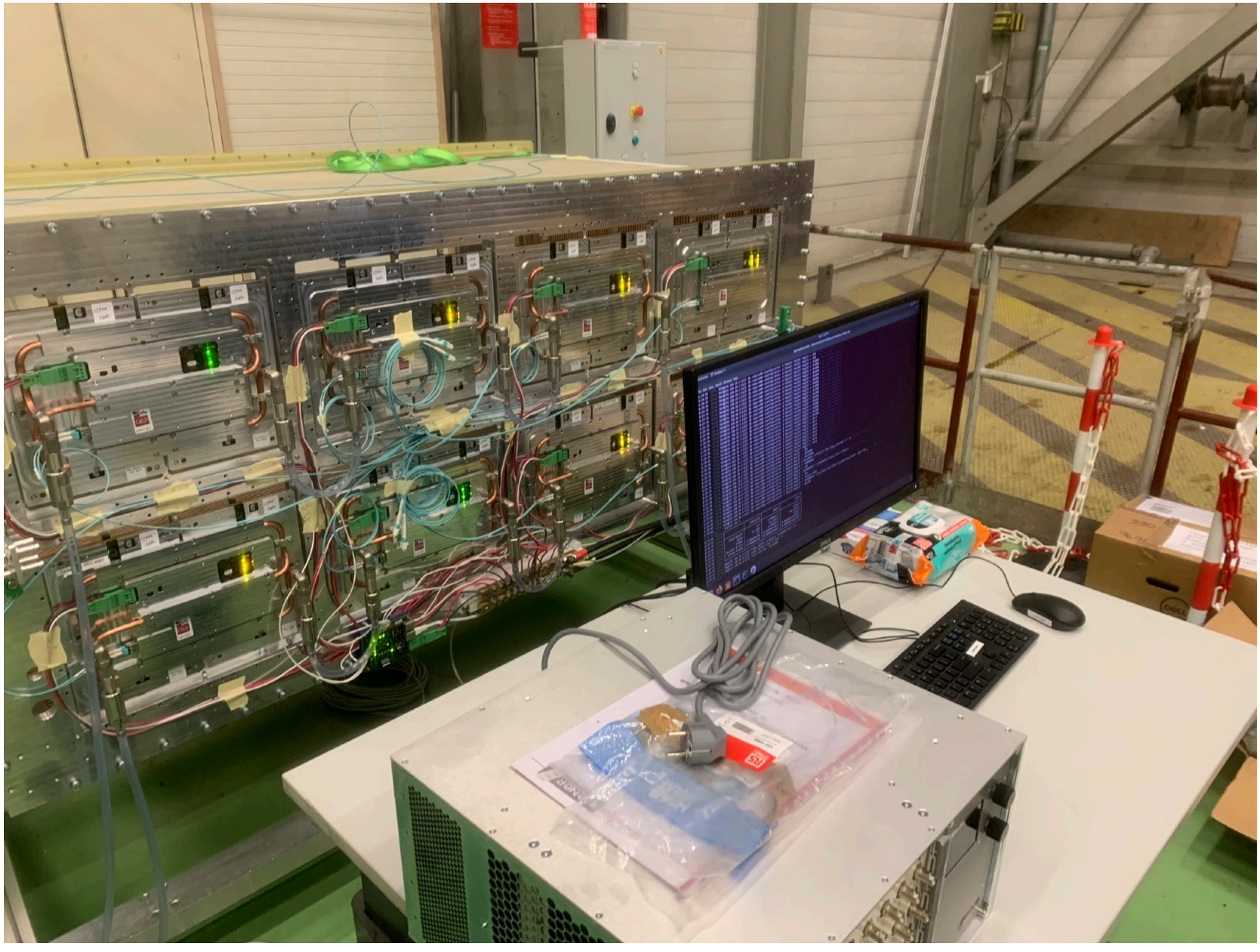
Few tests of the DAQ with the module frame



Fixing the non-zero suppress mode

- Frames sent by the TDCM are bigger with the 8 FEMs (8 kB)
- Could reach 75MB/s transfert (no data written on disk)
- Periodic slow downs due to polls from the slow control program
- Beyond 75MB/s instabilities appear

- 50MB/s when only writing in AQS (no data parsing): I/O limitation probably
- 35MB/s when parsing the data (AQS + Midas) -> could be further optimised tho

```
11:13:42  INFO TdcmConfigManager.cpp:155: TDCM@192.168.10.1:1122: BE->Source#0->Configuration: 0 Tdcm(0) Reg(6) <-
midas_hatfe_1  | Started run 1
11:14:14  INFO feHatTdcmUdp.cxx:245:
11:14:14  INFO feHatTdcmUdp.cxx:245:
11:14:14  INFO feHatTdcmUdp.cxx:245:
11:14:14  INFO feHatTdcmUdp.cxx:245:
11:14:14  INFO feHatTdcmUdp.cxx:245:
11:14:14  INFO feHatTdcmUdp.cxx:245:
11:14:14  INFO feHatTdcmUdp.cxx:245:
11:14:14  INFO feHatTdcmUdp.cxx:245:
11:14:14  INFO feHatTdcmUdp.cxx:245:
11:14:14  INFO feHatTdcmUdp.cxx:245:
11:14:14  INFO feHatTdcmUdp.cxx:245: DAQ@192.168.10.1:1122: Frame buffer occupancy: 0/100000 (max: 2 / 0.002%)
11:14:14  INFO feHatTdcmUdp.cxx:245: DAQ@192.168.10.1:1122: Max received payload size: 0.000000e+00B
11:14:14  INFO feHatTdcmUdp.cxx:245: DAQ@192.168.10.1:1122: Event buffer size: 0 (max: 0)
11:14:14  INFO feHatTdcmUdp.cxx:245: DAQ@192.168.10.1:1122: Front-End RAM: 2.80331GB
midas_hatfe_1  |
```

	Cumulated	Speed	Unit
Saved Events	0.000000e+00	0.000000e+00/s	0.000000e+00/Call
Bytes	2.09244G	75.6092M/s	7.174K/Call
Frames	291.729K	10.5415K/s	1/Call
Builder Errors	0.000000e+00	0.000000e+00/s	0.000000e+00/Call
Missed Frames	0.000000e+00	0.000000e+00/s	0.000000e+00/Call

Mesh pulsing on 8 modules

- Midas DAQ can now perform the mesh pulsing script
- It seems slow tho: while sending pulse commands (8x more), the DAQ seems to be slower (~700kB/s)
- Random crash sometimes happen: TDCM stops responding (even with the slow control off)
- Could be because of config commands sent at the same time as DAQ frame requests

- Need to check if the generated file is valid for analysis (and to extract the data of each FEC)
- Will send the example file to the CCLyon (done with the quickest script by Denis)

Field cage