

10/Dec/2019

- INFN GEM Status (very short update)

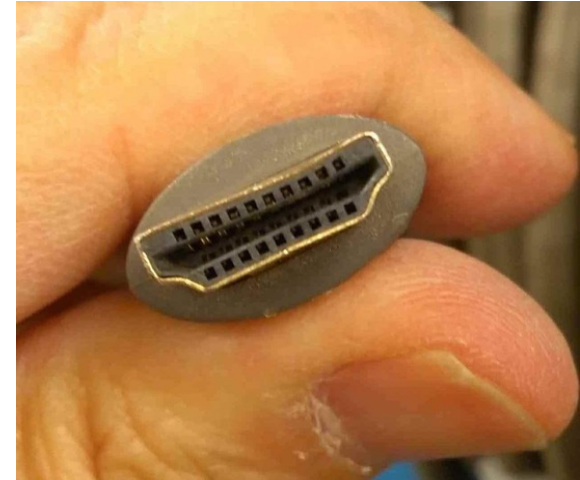
Roberto Perrino, Fausto Giuliani, Evaristo Cisbani, Paolo Musico

J4/M23 September Accident “Solved”

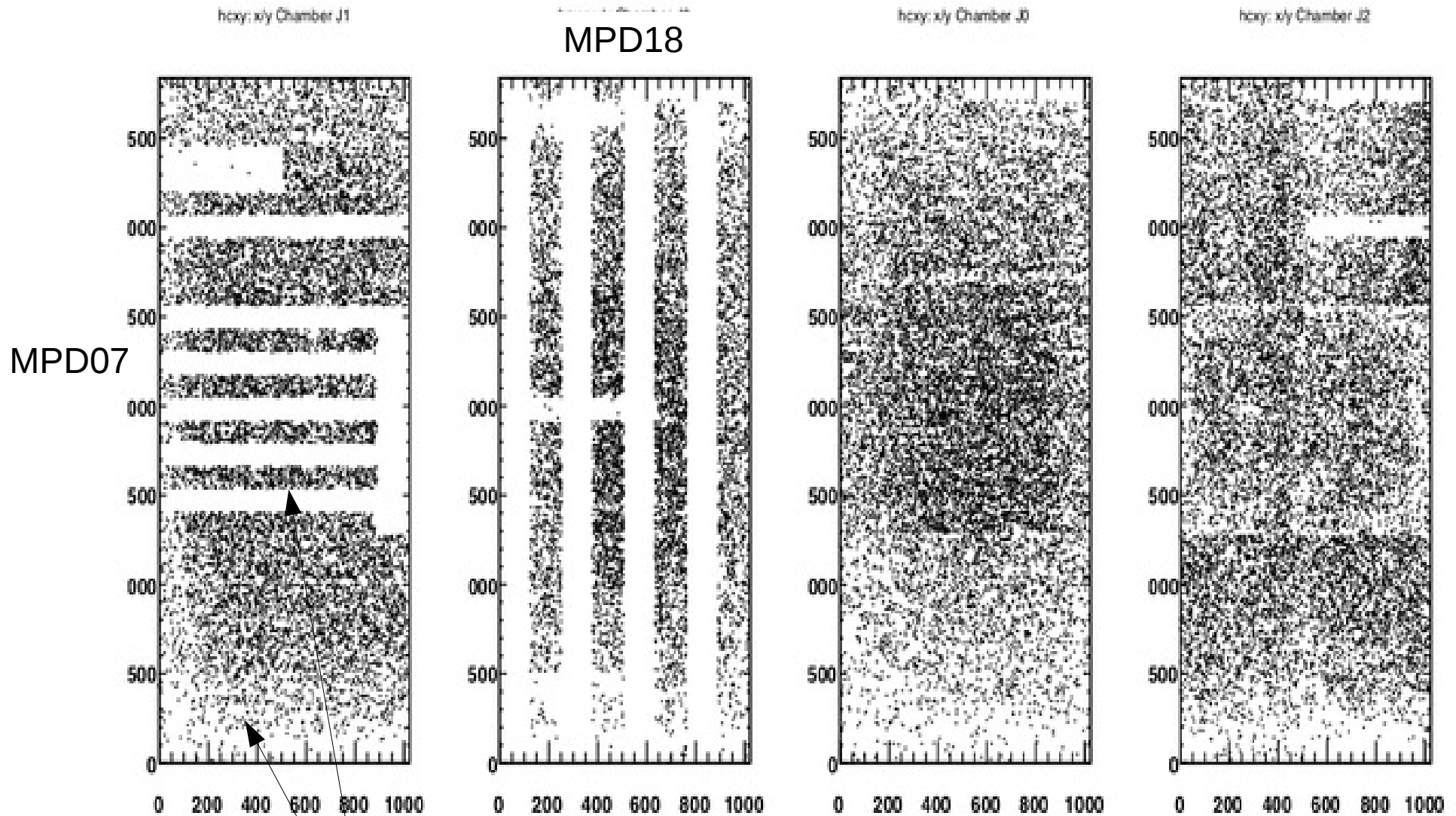
- In the last week of Nov and first of Dec Roberto and Fausto carefully controlled and checked the conditions of the M23 (suspected to discharge in Sep/19) and adjacent M21 modules.
 - Except minor issues (fixed) no major problem has been identified
 - HV switched ON in both modules: no overcurrent observed. The Current vs HV curves follow very normal behaviour
 - Most likely the September overcurrent on M21 was related to some misbehaviour of the HV power supply after the HV-spike occurred to Leo; the HV power supply has been power cycled between September and November.
- **All other modules have also stable and normal HV currents!**

DAQ/Electronics/Trigger issues

- An annoying DAQ/Electronic issue has presented again:
 - the MPD7 has good histograms (standalone program) but get lots of timeout in CODA
 - found a deformed connector in upper digital cable connected to MPD7 (and corresponding connector in MPD7)
 - fixed but issue not solved.
 - when MPD7 is masked (central 5 cards) MPD18 gets timeout!
- Last day: lots of **Buffer FIFO full** on all MPDs in sequence due to chair electromagnetic interference (already observed last year)
- *Paolo Musico will possibly look at those questions this week*



Cosmic runs with DAQ issues



... but at least we verified that M23 and M21 are both working