

**Period Coordinator report,
week 24, 04/06/04 - 11/06/04**

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COMPASS Friday meeting

11/06/2004

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Beam + Statistics

- ◇ Rather good beam when it is there -
 $Beam_{int} \geq 120 \times 10^{11}$;
- ◇ Quite high trigger rate - $Trigg_{rate}/Spill \geq 50 \times 10^3$;
- ◇ reasonable statistics was taken in spite of the general problems: 49 (200 spills):
 - 22 *physics+* runs,
 - 27 *physics-* runs
- ◇ very few access to the area during field rotation;
- ◇ high target polarization $P^+ - P^- = 104.0\%$;

Beam tuning

Beam tuning was performed Friday afternoon, two beam element out of seven were tuned. For the moment there is no final conclusion, preliminary one (by Mario): after the beam tuning the near halo increased by $\approx 3\%$, far halo is reduced by $\approx 20\%$. Only data taken with RICH PD's and veto hodoscopes was used during this preliminary study, also Straws, MMs and probably DC's data to be analyzed. It is clear now that it is time consuming operation and it is up to collaboration to decide if we continue or no.

General problems

- BEAM's absence:
 - ≈ 16 hours in total
 - 10 hours out of 16 during last two shifts before beam stop
- Continuous CERN network problems Friday evening
-> Monday morning

Local (spectrometer) problems

- **Straw trips** 4-5 times a day on average;
- **MM readout chain problems:** f/e - cables - connectors - catch - s-link???? As a result: 05/06 - MM01Y1 (386) - cured by plugout-plugin, raised again half a hour later, two more ports unstable (384, 385), 05/06 3 hot link cables changed, 2 port OK, MM01U1 (384) disabled; 07/06 - 16 channels more lost MM03V1.... **Everything looks fine now after quite a study done during acc. stop;**
- **One catch** was exchanged 06/06 to restore reading out of 16 channels of FI07Y1;

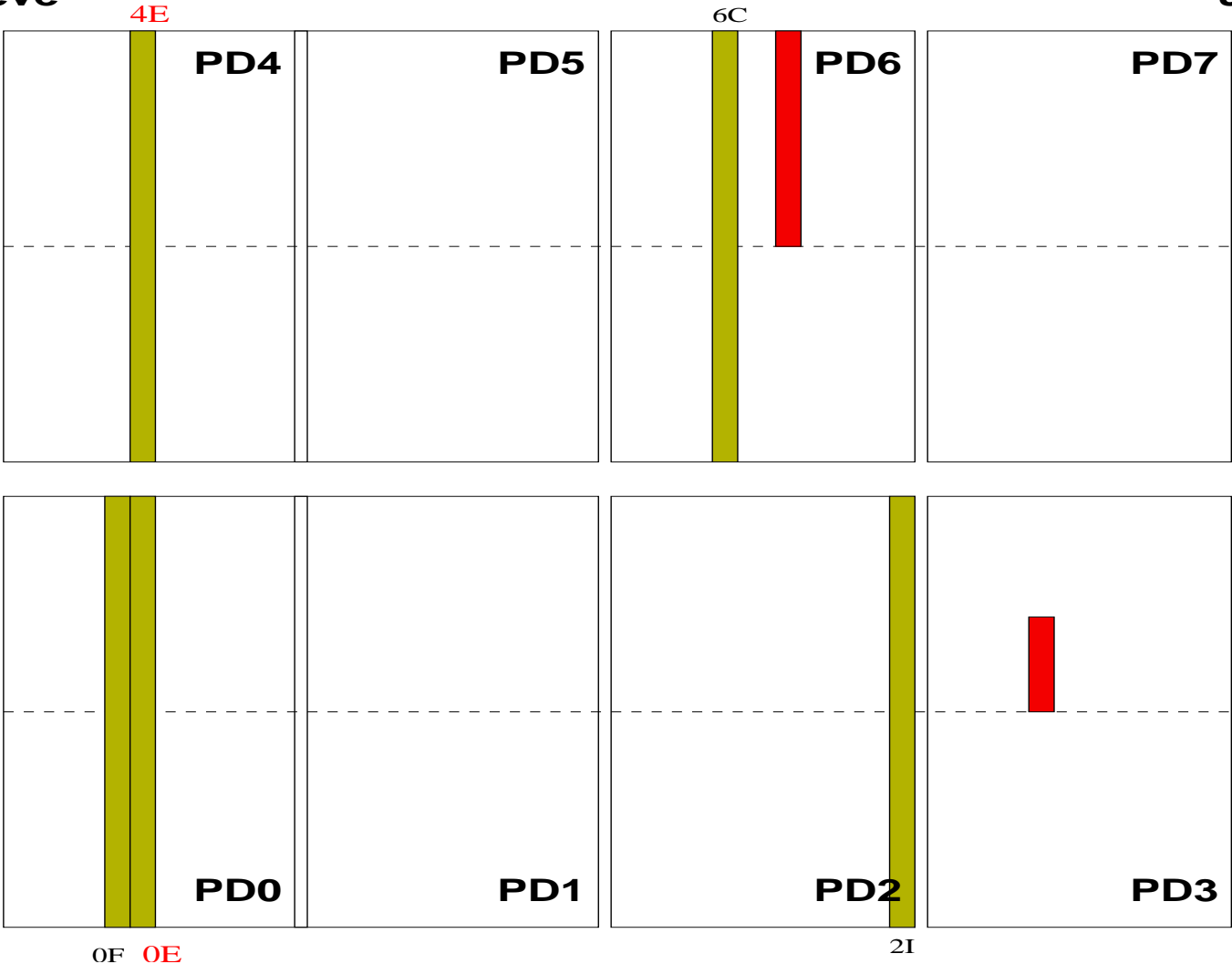
Local (spectrometer) problems

- **ECal2 HV** slow control is missed - HV trip of the half of the ECal2 one can see only on the histos;
- **DAQ** 05/06 DAQ stopped 11-00 till 13-00 because of the throttling status (ROB13 disk problems); two robs hanged up (ROB7 and 17) 06/06 at 3-00, restored by Bernhard at 4-40, 13-00 - ROB17 died (hard disk), replaced by pccoeb19, 15-00 DAQ was running again, 06/06 19-00 pccoeb19 shift directory full, taken out of DAQ, 07/06 turned back.
- **RICH**: see picture.

RICH1 Photo Detectors

Saleve

Jura



Experimental hall activities

Detector	yes/no
BMS	no
Veto/Trigger	no
SciFiJ/D	no/no
Silicons	yes
Target	yes
MicroMega	yes
W4/5	yes
GEMs	no

Table 1: In hall activities

Experimental hall activities

Detector	yes/no
Straws	yes
μ -Wall 1/2	yes/yes
RICH	yes (11/06->)
MWPCs	yes
HCal 1/2	no/no
DCS	no
ECal 1/2	yes
DAQ	no
Hadron run	yes

Table 2: In hall activities