

Collaboration meeting, 2017 June 28-29

Report by the Week Coordinator

Dominik Steffen



Summary of the week



TIMELINE

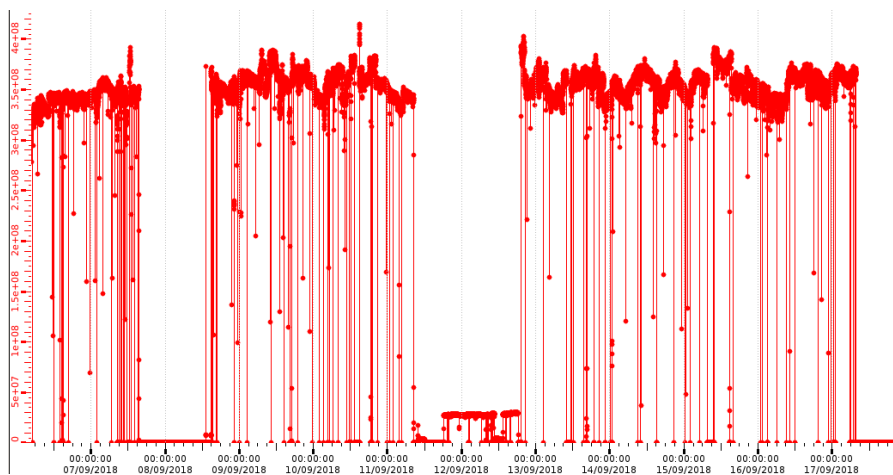
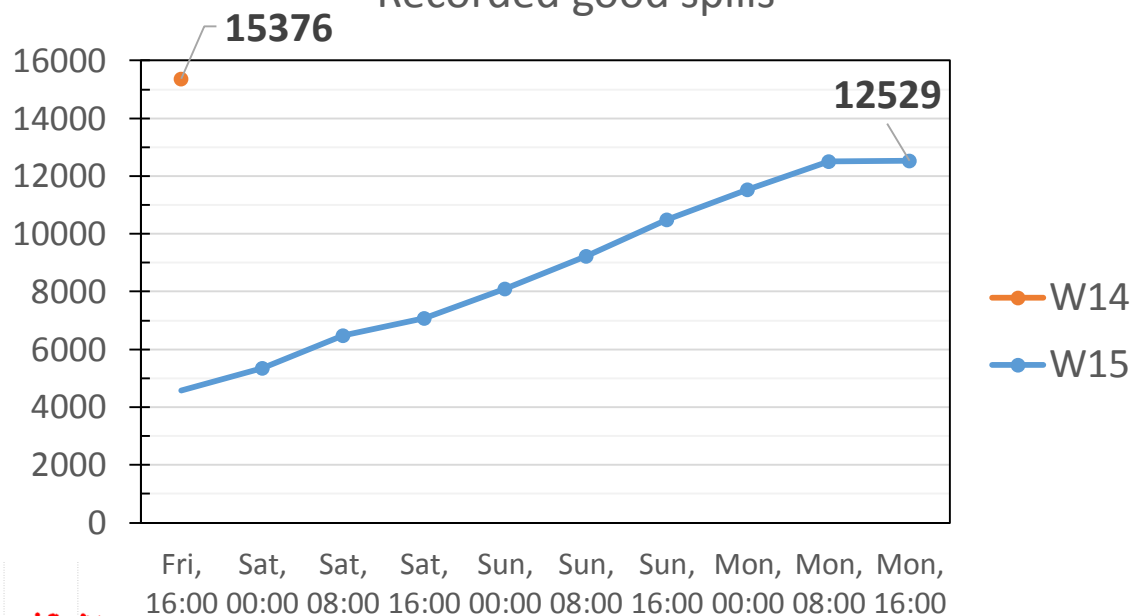
- Fri 11:00 – Mon 07:40: Last part of W15 period
- Mon 07:40 – Thu 14:30: **Long MD**
Target polarization
Interventions in the area
- Thu 14:30 – Fri 11:00: Start of W16 period

Spill Statistics



- Beam: LHC MD => no good beam expected, but beam quality excelled expectations

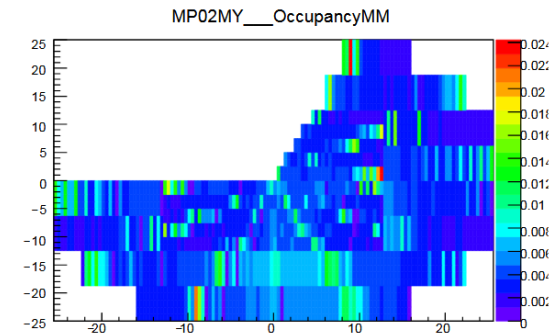
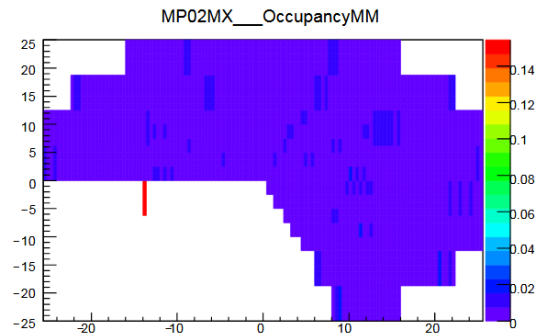
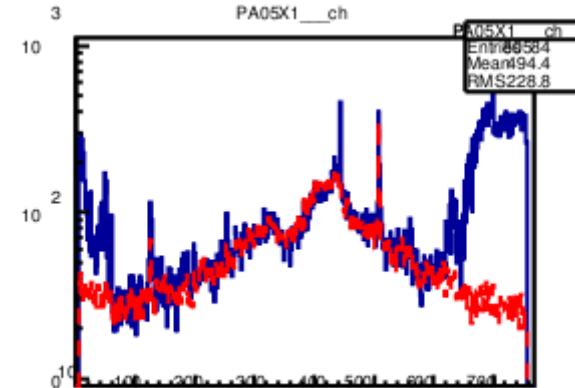
Recorded good spills



Last part of W15 period

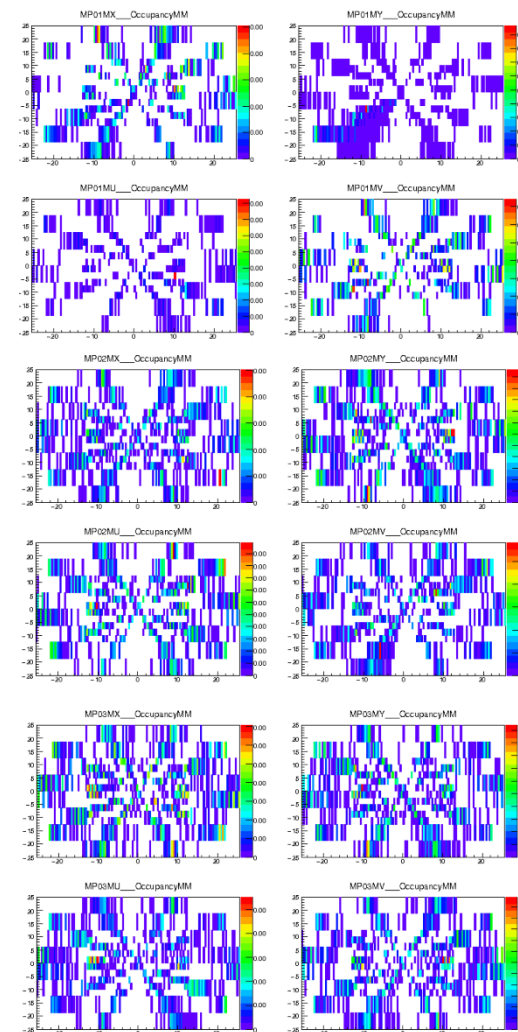
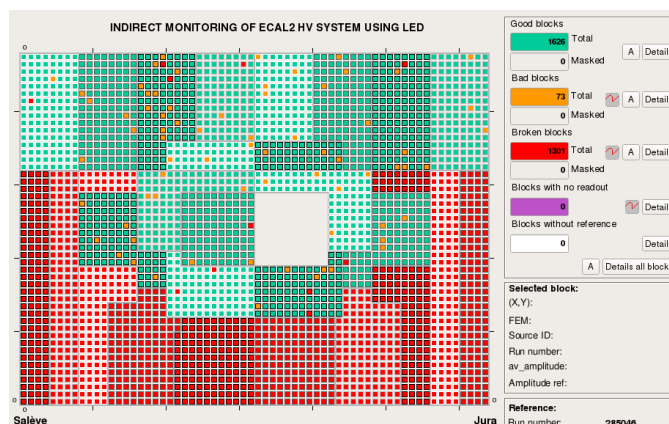


- MWPC: Increased Noise in PA05X1
100% errors on 453 (for parts of the period)
- RW: errors on port 6 & 0 of 432 remaining
- MM: broken fuse



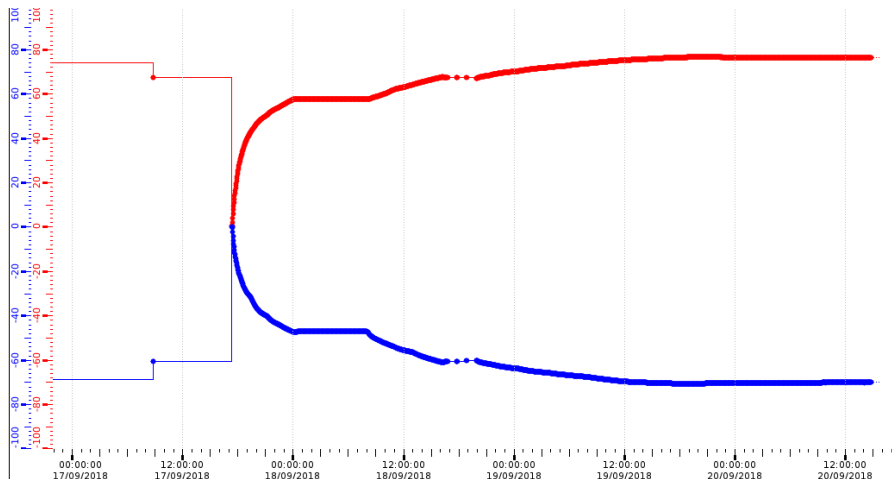
Interventions during MD

- MWPC: errors fixed by unplug/plug hotlink cable LV PS (which broke beginning of MD) exchanged
- RW: errors on 432 fixed
- CEDARs: high-rate FW deployed to all TDCs broken FPGA programmer replaced Threshold scan
- MM: fuses replaced -> noise observed on all planes
- ECAL2: LED monitoring and instable LVs fixed (bad contact)
- DC05: Threshold scan



Interventions during MD

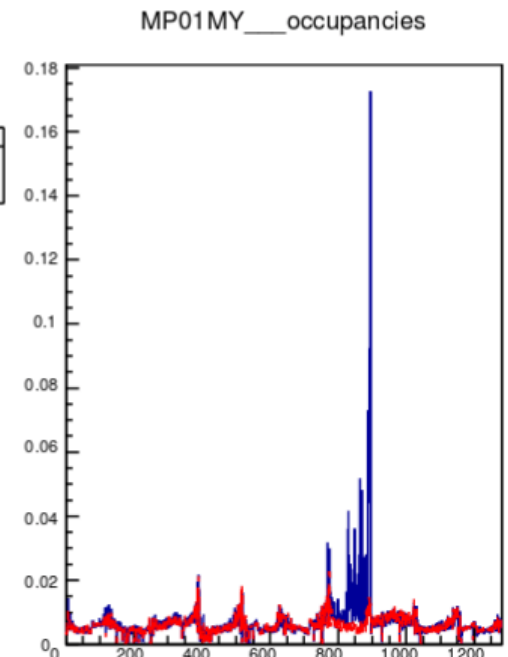
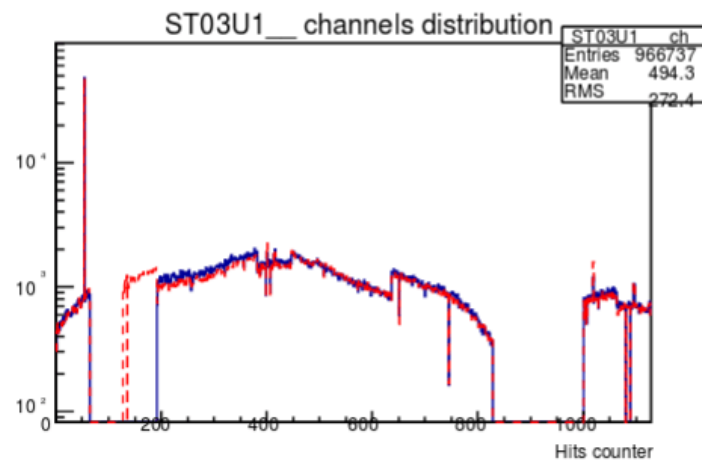
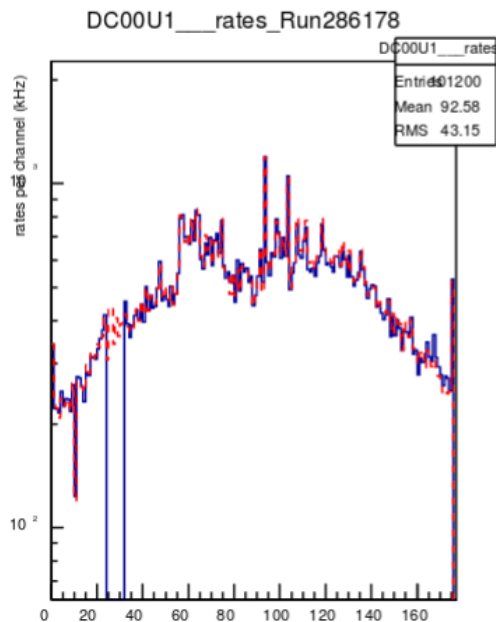
- Target: Exchange of busbar
Polarity switch bypassed → new software for power converter
Repolarization
Exercise to measure polarization loss during field rotation (0.1% for 1 transition)
- CAMERA: moved to clean area including DC04 scaffolding
- DAQ: Implementation of Xswitch
- Crane: Maintenance



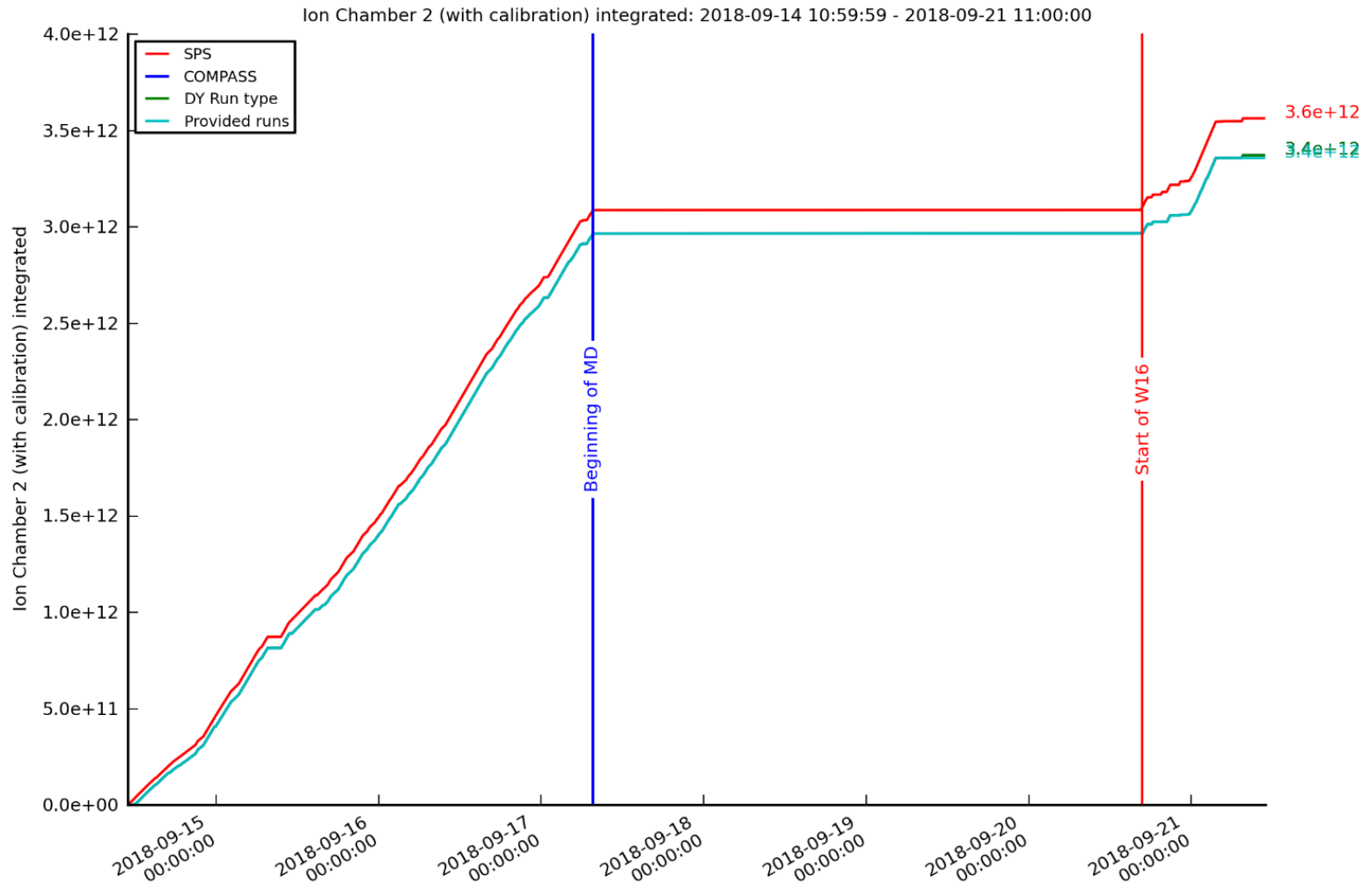
First part of W16 period



- DC00: Missing channels (card not replaced due to unknown state of spares)
- Straw3: Missing channels on U1
- PixelMM: Noise on MP01



Overview



Thank you and Good Luck



- Thank you to all...
 - Shifters
 - Experts
- Good Luck to Nicolay as next week coordinator