ONSEN status

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PXD Workshop at DESY,
September 23/24, 2019

ONSEN status

Before shutdown

- ✓ minor: Test of ZMQ
  →after a fix no errors on ROIs detected
- ✓ Test of load balancing with DHH

After shutdown

- ✓ Update ONSEN firmware to v2.3 (includes update to EPICS 3.16)
- ✓ Verify correct module order and ROI selection
- ✓ Verify load balancing after full restart of EB2
  (> 5 HLT/storage nodes)

- Verify load balancing with DHH in full chain

ONSEN firmware status

Disable data processing before first STARTING

This prevents data to be checked and stored in memory from previous run or debug runs.

Maximum occupancy

Detect the maximum number of fired pixels per event next to the average value.
Both values are updated every 0.5 second.

Handle old HLT events

Situation: Events of previous run were (still are?) in COPPER pipe and send at beginning of next run.
By just checking the trigger number difference, this might have lead to a negative value and cause an ERROR.

Backup
ToDo List

- Detect common mode value fo 63
- Free corrupt data
- Cluster Format
- Adapt firmware for CNCB v4 (upgrade hardware)