Weekly data certification report (wk33)

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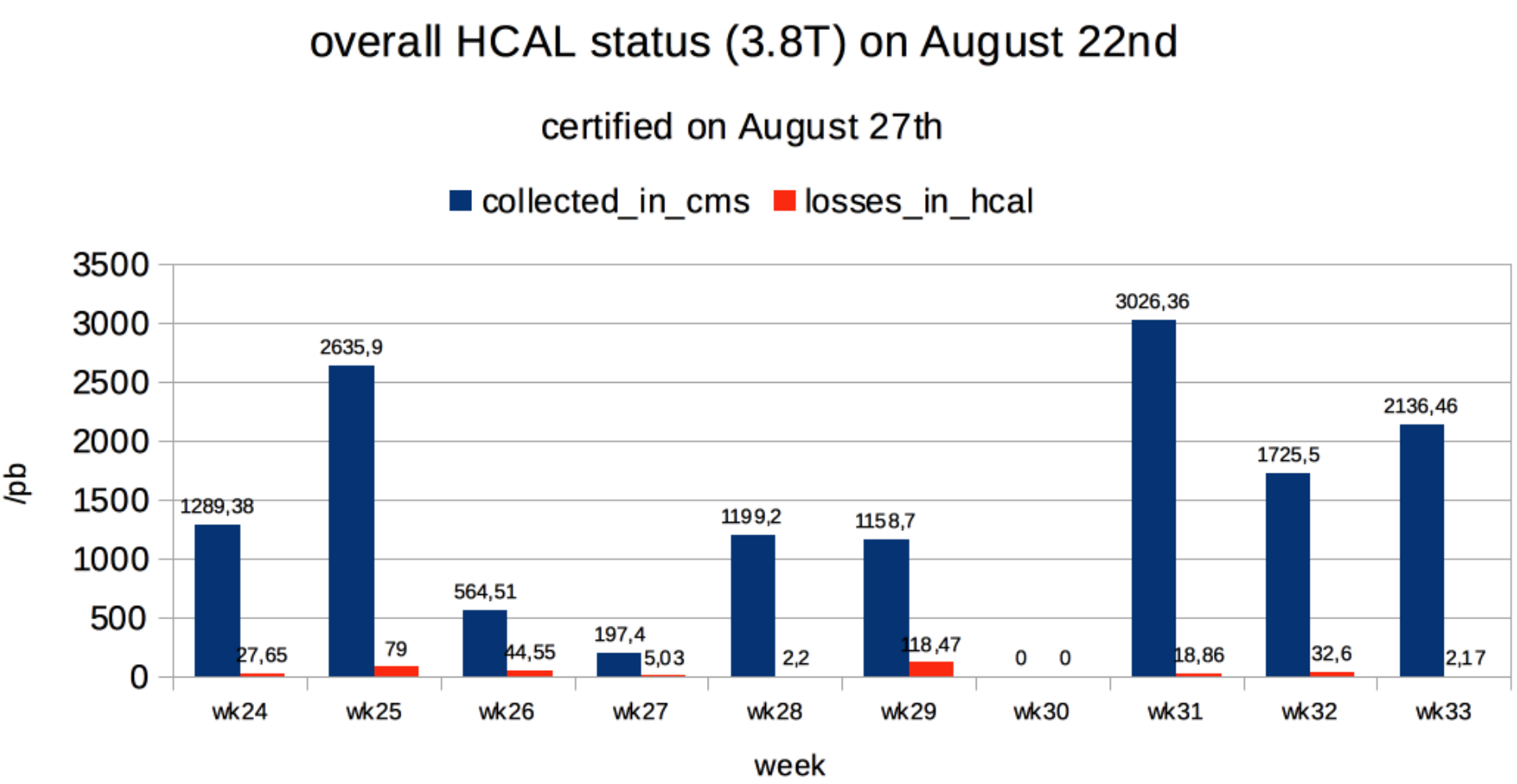


GOLDEN JSON

Wk32: August 14 – August 21

/afs/cern.ch/cms/CAF/CMSCOMM/COMM_DQM/certification/Collisions17/13TeV/PromptReco/Cert_294927-301141_13TeV_PromptReco_Collisions17_JSON.txt
with recorded luminosity: 10.09 /fb (w/o w33)

HCAL losses: ~327 /pb out of ~13.8 /fb (~2.4%)

Wk33

301447 LS401-403
HF LV SEU 0,52 /pb lost

301524 LS 111-116
HV trip HBP04 1,03 /pb lost

Few LS in HBHEa partition are bad because of DCS – need to be rechecked 0.63 /pb

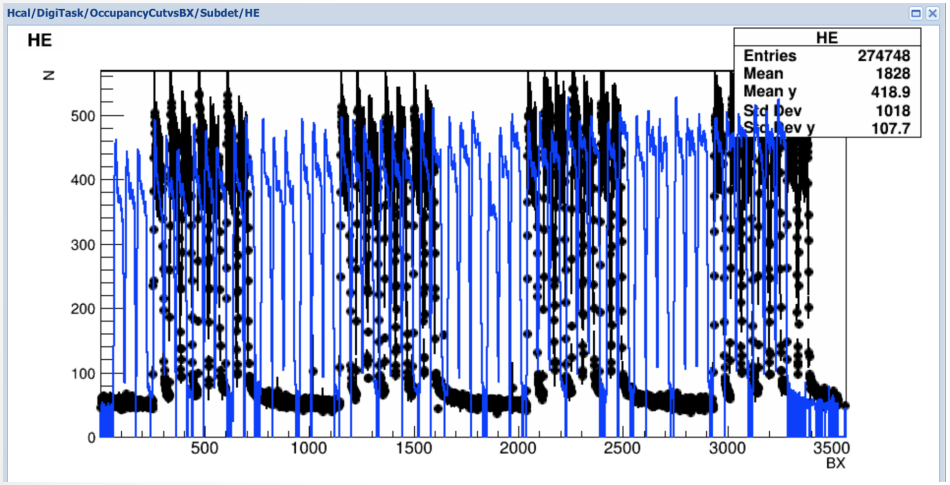
Total:
2,17 /pb lost for wk32*

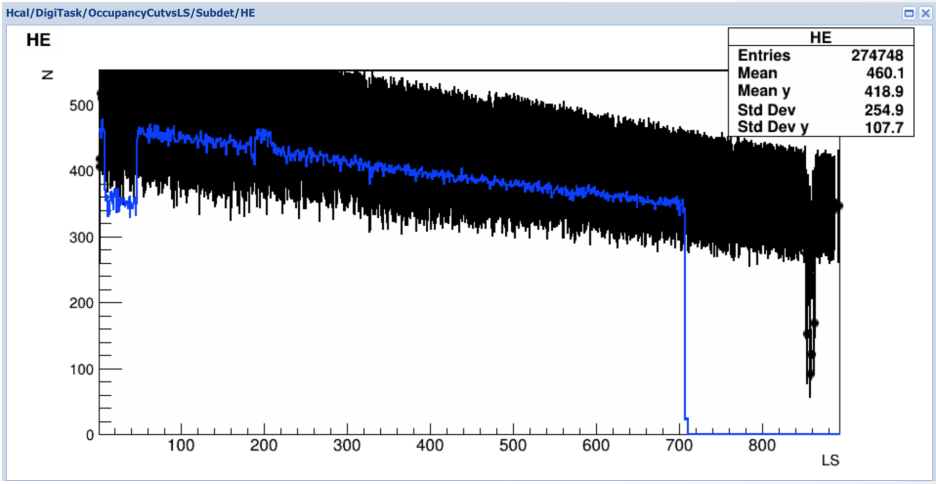
*(/pb) – only certified data, downtime is not calculated

BX behavior? LHC/CMS behavior?

For example run 301283 (for mostly all runs in 30xxxx era)

For DIGI vs BX, TP occupancy vs BX plots show some “spike shaped” channels occupancy





Blue curve is ref run 299370
Same for HB,HE,HF

For DIGI vs LS, TP vs LS everything looks fine! All other plots, tests show good HCAL behavior.