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m dqm6 timing RPs – extract harvesting code to harverster modules $ m missing!$ DPG and add per-LS plots	
dqm9 include PPS to T0 processing Fabrizio DPG <u>link</u>	
$ ext{dqm}12$ use Run3 era in online DQM, fix in master Jan ? $ ext{\#}35550$	
dqm13 use Run3 era in online DQM, backport to 12_0 Jan ? #35551	
val1 more validation plots Jan ? #35740 details of N-F association efficiency, distances be-	
tween tracks in each RP, t bias and resolution 2D	
histogram $val 2 \qquad \textit{dLyds perturbation scenario for modified optics} \qquad \qquad \text{Frizi} \qquad \qquad ? \qquad \qquad \#36039$	
implemented in modified optics ES generator	
PCLs: Notousz Jan DPC #25174	
pcl5 alignment - update of config classes Mateusz Jan DPG #35174	
pcl6 alignment - upload of alignment config Mateusz, Wagner Jan DPG pcl7 alignment - PCL-like matrix workflow Mateusz Jan DPG #35631	
pcl8 alignment – PCL-like matrix workflow Mateusz Jan DPG #39031 pcl8 alignment – inclusion in central PCL AlCa DPG	
pcl9 fix of alignment matrix test Mateusz Jan DPG #35874	
details in <u>here</u>	
pcl10 fix of timing calibration matrix test Chris DPG #35988	
pcl11 AlCaReco producer for PPS calibrations Andrea Leszek AlCa #36273	
pcl12 alignment – reformatting, readme Mateusz #36257	
pcl13 renaming of AlCa reco producers for Tier0 replay Leszek AlCa AlCa	
pcl14 AlCa reco general alignment - renaming Mateusz,Leszek Leszek AlCa #36698	
pcl15 AlCa reco HPTDC calibration - renaming Mateusz,Leszek Leszek AlCa #36702	
pcl16 AlCa reco SAMPIC calibration – renaming Chris Leszek AlCa #36707	
pcl17 PPSCalTrack AlCa reco added to autoAlCa Leszek Leszek AlCa #36730	
nanoAOD:	 1
na2 simu tracks and protons in nanoAOD Laurent POG #36080 idea: run "direct" simu during nanoAOD produc-	
tion by default, this would be disabled, but available	
for private use	
framework: fmw1 UBSAN issue in TotemSampicFrame Chris ? #35654	
details in <u>here</u>	
fmw2 UBSAN issue in CTPPSPixelDigiToRaw Fabrizio ? #35592 details in here	
fmw3 migration of PoolDBOutput service to *IOV methods Fabrizio ? #36180	
draft PR under review, mem leak details in here	
other:	
ot1 standardised code for simu + PU event merging Andrea? POG code for standard PPS procedure of mixing (rec-	
code for standard PPS procedure of mixing (rec- hit level) simu signal with PU from unrelated real LHC events	