| tag | task | priority | assignee | consultant | responsible | due date | PR | status + dependence |
|---|---|---|---|---|---|---|---|---|
| **geometry:** | | | | | | | | |
| g1 | *final Run3 geometry update (XML)* | | Fabrizio, Gustavo | | ? | | #35380 | green |
| g2 | *fix: submit missing files* | | Gustavo | | ? | | #35399 | green |
| g8 | *upload of geometry to DB (pre-processed)* also GT update | | Wagner | | Fabrizio | | | green |
| g18 | *default reco sequence uses pre-processed geometry* | | Wagner, Helena | Jan | Fabrizio | | #35772 | green |
| g10 | *remove geometry specs from reco cff files* https://github.com/cms-sw/cmssw/issues/31360 | | **missing!** | | ? | | | red |
| g11 | *organise files in Geometry/VeryForwardData/data* | | a newcomer | Clemencia | Fabrizio | | | red |
| g19 | *disable building of misaligned geometry by default* misaligned geometry causes problems in PPS HLT sequence (probably due to missing conditions in DB) | | Jan | | ? | | #35423 | green |
| g20 | *bug fix of Run2 pixel topology* recovers low-x pixel acceptance in Run2 direct simu WFs | | Fabrizio | Jan | ? | | #35671 | green |
| g21 | *bug fix in data GTs for persistent geometry tags* | | Helena | | ? | | #35846 | green |
| g22 | *corrected material for Timing Station* | | Sunanda | | ? | | #35961 | green |
| g23 | *update of cfi files to point to latest PPS geometry* | | Gustavo | | ? | | #35996 | green |
| g24 | *upload of geometry to DB (DDD4HEP)* | | Wagner | | Fabrizio | | | yellow |
| g25 | *cleaning unused materials (DDD4HEP)* | | Carl | Gustavo | Fabrizio | | #36307 | green |
| **reconstruction:** | | | | | | | | |
| re3 | *update of N-F association cuts: class, DB infrastructure* | | Grzegorz | Jan | | | #35248 | green |
| re4 | *update of N-F association cuts: DB upload* | | Wagner | Jan | | | | green |
| re5 | *update of N-F association cuts: use DB by default* | | Jan | | | | #35766 | green |
| re7 | *N-F association cuts: update GTs for data and MC* | | Helena | | | | #35914 | green |
| re6 | *N-F association cuts: bugfix for crash on DB read* | | Jan | | | | #35941 | green |
| re8 | *Calibration Record for HPTDC nonlinearities compensation* | | Chris | | | | #36537 | green |
| re9 | *HPTDC nonlinearities compensation* | | Chris | | | | #36713 | yellow (dashed) |
| **direct simulation:** | | | | | | | | |
| ds1 | *adjust Run3 alignment* | | Jan | | ? | | #35424 | green |
| ds4 | *backport to CMSSW 10_6* backport of features only available in 11_X/12_X to the release used for Run2 analyses | | **missing!** | | POG | | | red |
| **DQM and validation plots:** | | | | | | | | |
| dqm5 | *timing RPs – support for SAMPIC readout* adds sampic reco to the standard PPS reco sequence, for PPS DQM sequence it removes TOTEM timing and adds diamond sampic, in the DQM module it adds flags to enable/disable plots for online/offline DQM | | Chris | | DPG | | #35445 | green |
| dqm10 | *timing RPs – update diamond DQM* | | Chris | | DPG | | #35454 | green |
| dqm11 | *common module – update RP ids* | | Jan | | DPG | | #35484 | green |
| dqm6 | *timing RPs – extract harvesting code to harverster modules* and add per-LS plots | | **missing!** | | DPG | | | red |
| dqm9 | *include PPS to T0 processing* | | Fabrizio | | DPG | | link | yellow |
| dqm12 | *use Run3 era in online DQM, fix in master* | | Jan | | ? | | #35550 | green |
| dqm13 | *use Run3 era in online DQM, backport to 12_0* | | Jan | | ? | | #35551 | green |
| val1 | *more validation plots* details of N-F association efficiency, distances between tracks in each RP, t bias and resolution 2D histogram | | Jan | | ? | | #35740 | green |
| val2 | *dLyds perturbation scenario for modified optics* implemented in modified optics ES generator | | Frizi | | ? | | #36039 | green |
| **PCLs:** | | | | | | | | |
| pcl5 | *alignment – update of config classes* | | Mateusz | Jan | DPG | | #35174 | green |
| pcl6 | *alignment – upload of alignment config* | | Mateusz, Wagner | Jan | DPG | | | green |
| pcl7 | *alignment – PCL-like matrix workflow* | | Mateusz | Jan | DPG | | #35631 | green |
| pcl8 | *alignment – inclusion in central PCL* | | AlCa | | DPG | | | red |
| pcl9 | *fix of alignment matrix test* details in here | | Mateusz | Jan | DPG | | #35874 | green |
| pcl10 | *fix of timing calibration matrix test* | | Chris | | DPG | | #35988 | green |
| pcl11 | *AlCaReco producer for PPS calibrations* | | Andrea | Leszek | AlCa | | #36273 | yellow (dashed) |
| pcl12 | *alignment – reformatting, readme* | | Mateusz | | | | #36257 | green |
| pcl13 | *renaming of AlCa reco producers for Tier0 replay* | | Leszek | AlCa | AlCa | | | yellow (dashed) |
| pcl14 | *AlCa reco general alignment – renaming* | | Mateusz, Leszek | Leszek | AlCa | | #36698 | yellow (dashed) |
| pcl15 | *AlCa reco HPTDC calibration – renaming* | | Mateusz, Leszek | Leszek | AlCa | | #36702 | yellow (dashed) |
| pcl16 | *AlCa reco SAMPIC calibration – renaming* | | Chris | Leszek | AlCa | | #36707 | yellow (dashed) |
| pcl17 | *PPSCalTrack AlCa reco added to autoAlCa* | | Leszek | Leszek | AlCa | | #36730 | yellow (dashed) |
| **nanoAOD:** | | | | | | | | |
| na2 | *simu tracks and protons in nanoAOD* idea: run "direct" simu during nanoAOD production by default, this would be disabled, but available for private use | | Laurent | | POG | | #36080 | yellow (dashed) |
| **framework:** | | | | | | | | |
| fmw1 | *UBSAN issue in TotemSampicFrame* details in here | | Chris | | ? | | #35654 | green |
| fmw2 | *UBSAN issue in CTPPSPixelDigiToRaw* details in here | | Fabrizio | | ? | | #35592 | green |
| fmw3 | *migration of PoolDBOutput service to *IOV methods* draft PR under review, mem leak details in here | | Fabrizio | | ? | | #36180 | green |
| **other:** | | | | | | | | |
| ot1 | *standardised code for simu + PU event merging* code for standard PPS procedure of mixing (rec-hit level) simu signal with PU from unrelated real LHC events | | Andrea? | | POG | | | red |