

tag	task	priority	assignee	consultant	responsible	due date	PR	status + dependence		
geometry:										
g3	update of diamond geometry for Run3		Laurent		?		#31484	<div></div>	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	
g4	fix z sign of diamonds LHC sector 45 should have z negative etc. * for Run3: correct z sign already in XML files * for Run2: z sign corrected in geometry builder Remove sign fixing from: proton reco, direct simu		Jan				#32603	<div></div>		
g5	fix overlaps of diamonds		?		?			<div></div>		
g6	update pixels for Run3		Fabrizio		Wagner			<div></div>		
g7	upload Run3 geometry XML to DB		Wagner		Fabrizio			<div></div>		
g11	organise files in Geometry/VeryForwardData/data		?		?			<div></div>		
g8	pre-processed geometry to DB – initial * use a place-holder for Run3 * default reco sequence uses pre-processed geometry		Wagner	Jan	Fabrizio			<div></div>		
g2	remove geometry specs from reco eff files https://github.com/cms-sw/cmssw/issues/31360		?		?			<div></div>		
g9	pre-processed geometry to DB – updated for Run3		Wagner		Fabrizio			<div></div>		
g12	check compatibility of scoring plane z the same z should be used by strip RPs, pixel RPs and optics	low	Jan		Fabrizio	Feb 2021		<div></div>		
g13	interpret DD4Hep values with DD4Hep units		Gabrielle				#32538	<div></div>		
g14	recognise volume names in simu		Carl Vuosalo				#32667	<div></div>		
optimisations:										
opt1	systematic use of edm::DetSetVector::emplace_back cf. https://github.com/cms-sw/cmssw/pull/26069		Laurent		Jan		#32572	<div></div>		
direct simulation:										
ds0	per-year simulation with distributed conditions		Chris, Jan		?		#32207	<div></div>		
ds5	fix in CTPPSCompositeESSource		Jan		?		#32640	<div></div>		
ds1	2021 profile adds also a default RP-position file with reasonable RP-beam distances (2mm for horizontal and 7mm for vertical RPs)		Jan				#32602	<div></div>		
ds2	tracking-RP efficiency		Jan	Andrea	DPG	Feb 2021		<div></div>		
ds3	use cloning in eff files to address issue #32448	high	Laurent		Jan	Feb 2021		<div></div>		
ds4	backport to 10_6		Jan		?	Feb 2021		<div></div>		
DQM:										
dqm1	pixels – innocent bug fix NROCsMAX instead of NplaneMAX here		Andrea	Fabrizio	Jan		#32584	<div></div>		
dqm2	timing RPs – add new Run3 RPs		Laurent		DPG			<div></div>		
dqm3	timing RPs – other possible tasks config flags to enable/disable plots for online/offline DQM, acquisition window size steered with a run-time parameter, TotemTimingDQMSource adapted for SAMPIC, extract harvesting code to harvester modules		?		DPG			<div></div>		
PCLs:										
pcl1	timing calibration		Laurent	DB	DPG			<div></div>		
pcl2	alignment		Mateusz?	Jan, DB	DPG			<div></div>		
nanoAOD:										
na1	reco tracks and protons in nanoAOD Includes filter module to apply POG quality recommendations		Justin	Jan	POG		#31531	<div></div>		
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		Justin?	Jan	POG			<div></div>		
na3	backport of #31531 to 10_6		Justin		POG		#32616	<div></div>		
other:										
ot0	thread-safe ES data retrieval in all PPS code		Laurent		Jan		#32606	<div></div>		
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			<div></div>		