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Other scenarios:

Please define here the scenarios in addition to the suggested ones - Please provide all the details of your requests! (Datasets -PU-Conditions- Lumis - aging- special event content)

Scenario Id	Requestor	Geometry	Average Pileup	Luminosity	Pixel aged	Strips aged	EB aged	EE aged	HB aged	HE aged	HF aged	Motivation	Priority
1a	GED/PF	Phase 1	20	0	N	N	N	N	N	N	N	baseline to decouple geometry, PU, aging	Priority
1b	GED/PF	Phase 1	70	0	N	N	N	N	N	N	N	baseline to decouple geometry, PU, aging	Priority
4a	GED/PF	Phase 1	140	0	N	N	N	N	N	N	N	baseline to decouple geometry, PU, aging	Priority

ECAL

All in complete simulation except one point for the W to study the linearity.

nb	Requester	Event Type	#evts	Software + Lumi	PU 20/BX	PU 60/BX	PU 100/BX	PU 140/BX	Other?
1	ECAL	Z->ee (eta_e1 eta_e2 in -1.5 to 1.5)	30000x4agingx3PU	0-300-1000-3000 fb-1	yes	yes	no	yes	complete (py special + Inter-Calib special)
2	ECAL	Z->ee (eta_e1 eta_e2 in 1.45 to 4)	30000x4agingx3PU	0-300-1000-3000 fb-1	yes	yes	no	yes	complete (py special + Inter-Calib special)
3	ECAL	Z->ee (eta_e1 eta_e2 in 1.45 to 4)	30000x2agingx3PU without ES	0-3000 fb-1	yes	yes	no	yes	ECAL private production
4	ECAL	W->enu (eta_e in 1.45 to 4)	30000x4agingx3PU	0-300-1000-3000 fb-1	yes	yes	no	yes	complete (py special + Inter-Calib special)
5	ECAL	W->enu (eta_e in 1.45 to 4) effective simulation	30000x4agingx1PU	0-300-1000-3000 fb-1	yes	no	no	no	effective
6	ECAL	H->gg	20000x4agingx3PU	0-300-1000-3000 fb-1	yes	yes	no	yes	effective

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7	ECAL	H->gg VBF	10000x4agingx3PU	0-300-1000-3000 fb-1	yes	yes	no	yes	effective
8	ECAL	H->ZZ->4e	10000x4agingx3PU	0-300-1000-3000 fb-1	yes	yes	no	yes	effective
9	ECAL	HH->4e gg	10000x2agingx2PU	0-3000 fb-1	yes	no	no	yes	effective
10	ECAL	HH->gg gg	10000x2agingx2PU	0-3000 fb-1	yes	no	no	yes	effective
11	ECAL	HZ->gg bb	10000x2agingx2PU	0-3000 fb-1	yes	no	no	yes	effective
12	ECAL	HH->gg bb	10000x2agingx2PU	0-3000 fb-1	yes	no	no	yes	effective
13	ECAL	M. Graph 2 photons	100000x2agingx2PU	0-3000 fb-1	yes	no	no	yes	effective
14	ECAL	M. Graph Gamma+jet	100000x2agingx2PU	0-3000 fb-1	yes	no	no	yes	effective

All in complete simulation except one point for the W to study the linearity.

nb	Requester	Event Type	#evts	Software + Lumi	PU 20/BX	PU 60/BX	PU 100/BX	PU 140/BX	Other?
1	ECAL	Z->ee (eta_e1 eta_e2 in -1.5 to 1.5)	30000x4agingx3PU	0-300-1000-3000 fb-1	yes	yes	no	yes	complete (py special + Inter-Calib special)
2	ECAL	Z->ee (eta_e1 eta_e2 in 1.45 to 4)	30000x4agingx3PU	0-300-1000-3000 fb-1	yes	yes	no	yes	complete (py special + Inter-Calib special)
3	ECAL	Z->ee (eta_e1 eta_e2 in 1.45 to 4)	30000x2agingx3PU without ES	0-3000 fb-1	yes	yes	no	yes	ECAL private production
4	ECAL	W->enu (eta_e in 1.45 to 4)	30000x4agingx3PU	0-300-1000-3000 fb-1	yes	yes	no	yes	complete (py special + Inter-Calib special)
5	ECAL	W->enu (eta_e in 1.45 to 4) effective simulation	30000x4agingx1PU	0-300-1000-3000 fb-1	yes	no	no	no	effective
6	ECAL	H->gg	20000x4agingx3PU	0-300-1000-3000 fb-1	yes	yes	no	yes	effective
7	ECAL	H->gg VBF	10000x4agingx3PU	0-300-1000-3000 fb-1	yes	yes	no	yes	effective
8	ECAL	H->ZZ->4e	10000x4agingx3PU	0-300-1000-3000 fb-1	yes	yes	no	yes	effective
9	ECAL	HH->4e gg	10000x2agingx2PU	0-3000 fb-1	yes	no	no	yes	effective
10	ECAL	HH->gg gg	10000x2agingx2PU	0-3000 fb-1	yes	no	no	yes	effective
11	ECAL	HZ->gg bb	10000x2agingx2PU	0-3000 fb-1	yes	no	no	yes	effective
12	ECAL	HH->gg bb	10000x2agingx2PU	0-3000 fb-1	yes	no	no	yes	effective
13	ECAL	M. Graph 2 photons	100000x2agingx2PU	0-3000 fb-1	yes	no	no	yes	effective

14	ECAL	M. Graph Gamma+jet	100000x2agingx2PU	0-3000 fb-1	yes	no	no	yes	effective
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ttbar	GED/PF	100k	Y	Y	Y						
single 5 GeV pion/flat eta/phi	GED/PF	100k	Y	Y	Y						
single 10 GeV pion/flat eta/phi	GED/PF	100k	Y	Y	Y						
single 50 GeV pion/flat eta/phi	GED/PF	100k	Y	Y	Y						
single 100 GeV pion/flat eta/phi	GED/PF	100k	Y	Y	Y						

Other scenarios:

Please define here the scenarios in addition to the suggested ones - Please provide all the details of your requests! (Datasets -PU-Conditions- Lumis - aging- special event content)

Scenario Id	Requestor	Geometry	Average Pileup	Luminosity	Pixel aged	Strips aged	EB aged	EE aged	HB aged	HE aged	HF aged	Motivation	Priority
1a	GED/PF	Phase 1	20	0	N	N	N	N	N	N	N	baseline to decouple geometry, PU, aging	Priority
1b	GED/PF	Phase 1	70	0	N	N	N	N	N	N	N	baseline to decouple geometry, PU, aging	Priority
4a	GED/PF	Phase 1	140	0	N	N	N	N	N	N	N	baseline to decouple geometry, PU, aging	Priority

Lumi scenarios with PU												
Scenario Number	Geometry	Average Pileup	Luminosity	Pixel aged	Strips aged	EB aged	EE aged	HB aged	HE aged	HF aged	Comments	
0	Phase 1	70	300	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CMS aged detectors by LS3 (nominal - 70 PU)	
1	Phase 1	70	500	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CMS aged detectors if LS3 delayed - 70 PU	
2	Phase 1	70	1000	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CMS aged detectors if LS3 canceled - 70 PU	
3	Phase 1	140	1000	No	No	Yes	Yes	Yes	Yes	Yes	PostLS3 strips/Pixel changed but phase1 geom for tracking	

4	Phase 1	140	1000	No	No	Yes	No	Yes	No	Yes	PostLS3 Jeff's mixed scenario #1
5	Phase 1	140	1000	No	No	Yes	No	Yes	No	No	PostLS3 Jeff's mixed scenario #2
6	Phase 2 x 3 geom	140	1000	No	No	Yes	Yes	Yes	Yes	Yes	PostLS3 strips/Pixel changed but phase2 geom no tracking
7	Phase 1	140	3000	No	No	Yes	Yes	Yes	Yes	Yes	Post- PostLS3 strips/Pixel 'new' but phase1 geom for tracking
SAME AS ABOVE WITHOUT PU (pure detector performance - no reco effect)											
Scenario Number	Geometry	Average Pileup	Luminosity	Pixel aged	Strips aged	EB aged	EE aged	HB aged	HE aged	HF aged	Comments
8	Phase 1	0	300	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CMS aged detectors by LS3 (No PU)
9	Phase 1	0	500	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CMS aged detectors if LS3 delayed - (No PU)
10	Phase 1	0	1000	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CMS aged detectors if LS3 canceled - (No PU)
11	Phase 1	0	1000	No	No	Yes	Yes	Yes	Yes	Yes	PostLS3 strips/Pixel changed but phase1 geom for tracking (No PU)
12	Phase 1	0	1000	No	No	Yes	No	Yes	No	Yes	PostLS3 Jeff's mixed scenario #1(No PU)
13	Phase 1	0	1000	No	No	Yes	No	Yes	No	No	PostLS3 Jeff's mixed scenario #2(No PU)
14	Phase 2 x 3 geom	0	1000	No	No	Yes	Yes	Yes	Yes	Yes	PostLS3 strips/Pixel changed but

Other scenarios:

											phase2 geom no tracking (No PU)
15	Phase 1	0	3000	No	No	Yes	Yes	Yes	Yes	Yes	Post- PostLS3 strips/Pixel 'new' but phase1 geom for tracking(No PU)
PERFECT CMS detector - No aging - No PU											
Scenario Number	Geometry	Average Pileup	Luminosity	Pixel aged	Strips aged	EB aged	EE aged	HB aged	HE aged	HF aged	Comments
16	Phase 1	0	-	No	No	No	No	No	No	No	IDEAL CASE
17	Phase 2 x 3 geom	0	-	No	No	No	No	No	No	No	IDEAL CASE

Second table for upgrade production

Event type / cfi file	DPG/POG/PAG	Events per scenario	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Hgg	ECAL	30k	Y	Y	Y	N	N	Y	N	Y	N	N	N	N	Y	Y	Y	Y	Y	Y
H to WW	ECAL	1000k	Y	Y	Y	N	N	Y	N	Y	N	N	N	N	Y	Y	Y	Y	Y	Y

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