

Status of the MC DB project

<https://alimonitor.cern.ch/MC/>

**Igor Lakomov, Costin Grigoras, Marian Ivanov, Alexander Kalweit
Evgeny Kryshen, Peter Malzacher, Kai Schweda
+ many credits to Markus Zimmermann**

Offline Week, 26/11/2015

Outline

- Main concepts
- Overview of the new workflow
- Creation of the new MC production request
- Search features
- GitLab repository for the MC productions macros
- Issues to be solved
- Summary and outlook

Main ideas

- ❖ The MC DB is the result of the previous discussion on the MC naming scheme (18/03/2015).
- ❖ It is now entering its final stage. (finally!)

- Main ideas:
 - ✓ Instead of simple change in the MC naming scheme the full MC production workflow is discussed now (from request to searching).
 - ✓ The new Monalisa web-page (<https://alimonitor.cern.ch/MC/>) is used as a primary source of information. It is used for the MC production requests.
 - ✓ JIRA is used for discussion only, not for MC request creation.
 - ✓ Special git project is created for keeping track of the changes in macros.
 - ✓ See detailed flowchart in next slide.

- ✧ These efforts can be complemented by a systematization of the QA of the MC in terms of tuples (alroot,OCDB) which are QAed by the detectors.

Current (old) MonALISA page



MonALISA Repository for ALICE

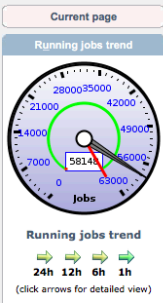


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Job Details » No filter Manage »

Production	Description	Status	Run range	Event Count	Requested	Comment	Known issues	Running time	Saving time	Output size	AliRoot version(s)	AliPhysics version(s)
LHC15k3	p-p, 7 TeV, GEANT4 general-purpose Monte Carlo corresponding to Pass 4 of 2010 RAW, ALIROOT-6439	Running	114786-114786	0		RAW OCDB		-	-	0 B	v5-05-Rev-22e-1	
LHC15k1_plus	PbPb 5 TeV, HIJING min.bias, LHC15x anchors, ALIROOT-6359	Running	243984-243984	53,500		RAW OCDB		6y 140d	16d 12:24	1.752 TB	v5-07-10-01-1, v5-07-11a-1	v5-07-10-01-1, v5-07-11-01-2
LHC15k2	p-A, simulation with fastgen for Lo->K0S+p for multivariate analysis, ALIROOT-6410	Running	195568-195568	2,030,550		RAW OCDB		13y 281d	24d 17:11	1.597 TB	v5-07-01-1	v5-07-01-01-1
LHC15k1	PbPb 5 TeV, HIJING min.bias, LHC15f anchors, ALIROOT-6359	Completed	225717-243984	9,760		RAW OCDB		1y 123d	4d 12:31	311 GB	v5-07-03-1, v5-07-10-1	v5-07-03-01-1, v5-07-10-01-1
LHC15j1	pp 13 TeV, Production to check pileup tagging performance, LHC15i anchors, ALIROOT-6387	Quality check 10%	236150-236150	492,000		RAW OCDB		99d 21:19	2d 19:22	641.3 GB	v5-07-11a-1	v5-07-11-01-2
LHC15h2i	p-p, PHOJET minimum bias production anchored to LHC12i pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Running	193005-193194	2,326,450		RAW OCDB		6y 90d	12d 23:52	858.8 GB	v5-05-Rev-30b-2	
LHC15h2h	p-p, PHOJET minimum bias production anchored to LHC12h pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Running	192200-192732	12,386,850		RAW OCDB		33y 159d	67d 21:22	4.172 TB	v5-05-Rev-30b-2	
LHC15h2g	p-p, PHOJET minimum bias production anchored to LHC12g pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Running	188440-188503	15,629,250		RAW OCDB		43y 314d	88d 19:24	5.82 TB	v5-05-Rev-30b-2	
LHC15h2f	p-p, PHOJET minimum bias production anchored to LHC12f pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Running	187489-188101	10,865,050		RAW OCDB		27y 351d	71d 20:34	3.976 TB	v5-05-Rev-30b-2	
LHC15h2e	p-p, PHOJET minimum bias production anchored to LHC12e pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Running	186385-186602	632,450		RAW OCDB		1y 253d	3d 10:31	237.5 GB	v5-05-Rev-30b-2	
LHC15h2d	p-p, PHOJET minimum bias production anchored to LHC12d pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Running	186003-186320	1,185,100		RAW OCDB		3y 52d	6d 19:08	444.4 GB	v5-05-Rev-30b-2	
LHC15h2c	p-p, PHOJET minimum bias production anchored to LHC12c pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Running	182299-182744	1,713,600		RAW OCDB		4y 301d	9d 12:42	658.8 GB	v5-05-Rev-30b-2	
LHC15h2b	p-p, PHOJET minimum bias production anchored to LHC12b pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Running	177597-178167	61,841,150		RAW OCDB		175y 218d	358d 21:06	23.19 TB	v5-05-Rev-30b-2	
LHC15h1i	p-p, Pythia 8 minimum bias production anchored to LHC12i pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Completed	192772-193194	5,713,400		RAW OCDB		15y 238d	31d 12:14	2.097 TB	v5-05-Rev-30b-2	
LHC15h1h	p-p, Pythia 8 minimum bias production anchored to LHC12h pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Running	190417-192732	30,286,900		RAW OCDB		81y 207d	185d 0:05	10.74 TB	v5-05-Rev-30b-2	
LHC15h1g	p-p, Pythia 8 minimum bias production anchored to LHC12g pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Completed	188440-188503	15,664,950		RAW OCDB		41y 185d	164d 3:05	5.832 TB	v5-05-Rev-30b-2	
LHC15h1f	p-p, Pythia 8 minimum bias production anchored to LHC12f pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Running	186814-188101	58,047,500		RAW OCDB		156y 4d	334d 8:27	21.52 TB	v5-05-Rev-30b-2	
LHC15h1e	p-p, Pythia 8 minimum bias production anchored to LHC12e pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Completed	186385-186602	627,550		RAW OCDB		1y 244d	7d 4:55	235.1 GB	v5-05-Rev-30b-2	
LHC15h1d	p-p, Pythia 8 minimum bias production anchored to LHC12d pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Running	185563-186320	8,739,850		RAW OCDB		23y 236d	48d 15:07	3.207 TB	v5-05-Rev-30b-2	
LHC15h1c	p-p, Pythia 8 minimum bias production anchored to LHC12c pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Running	179618-182744	10,587,500		RAW OCDB		29y 13d	56d 7:03	4.005 TB	v5-05-Rev-30b-2	
LHC15h1b	p-p, Pythia 8 minimum bias production anchored to LHC12b pass2, 8 TeV (RAW OCDB), ALIROOT-6180	Running	177597-178167	60,009,950		RAW OCDB		164y 166d	1y 112d	22.52 TB	v5-05-Rev-30b-2	
LHC15i2e	pp, 7 TeV, Pythia6 (Perugia2011) MC production anchored to LHC10e data (pass 4), for D mesons in jets analysis, ALIROOT-6272	Completed	128366-130850	11,529,200		RAW OCDB		45y 95d	130d 3:38	9.345 TB	v5-05-Rev-22d	
LHC15i2d	pp, 7 TeV, Pythia6 (Perugia2011) MC production anchored to LHC10d data (pass 4), for D mesons in jets analysis, ALIROOT-6272	Completed	122374-126432	10,951,000		RAW OCDB		42y 284d	101d 23:50	8.921 TB	v5-05-Rev-22d	
LHC15i2c	pp, 7 TeV, Pythia6 (Perugia2011) MC production anchored to LHC10c data (pass 4), for D mesons in jets analysis, ALIROOT-6272	Completed	118506-121040	5,455,800		RAW OCDB		21y 171d	64d 9:39	4.392 TB	v5-05-Rev-22d	
LHC15i2b	pp, 7 TeV, Pythia6 (Perugia2011) MC production anchored to LHC10b data (pass 4), for D mesons in jets analysis, ALIROOT-6272	Completed	114786-117222	1,861,800		RAW OCDB		7y 33d	33d 12:18	1.477 TB	v5-05-Rev-22d	
LHC15i1	Pb-Pb, 2.76 TeV, Efficiency study in Pb-Pb 2011 for (anti-)J, (anti-)J3He and (anti-)J4He using Geant3, ALIROOT-6294	Completed	167915-167915	53,750		RAW OCDB		8y 233d	23d 11:18	574.5 GB	v5-06-39	v5-06-39-01
LHC15g5b	p-A, 5.023 TeV, HIJING anchored to LHC13b with shadowing, ALIROOT-6151	Completed	195344-195483	44,135,000		RAW OCDB		30d 14:21	17d 19:41	1.425 TB	v5-06-34	v5-06-34-01
LHC15g3c2	pp 13 TeV, 2nd PYTHIA6(Perugia-2011) min.bias, LHC15f anchors, ALIROOT-6170	Completed	226062-226062	4,338,600		RAW OCDB		20y 9d	57d 13:28	3.222 TB	v5-06-39	v5-06-39-01
LHC15g3a2	pp 13 TeV, 2nd PYTHIA8 Monash-2013, LHC15f anchors, ALIROOT-6232	Completed	226062-226062	4,305,800		RAW OCDB		20y 241d	60d 20:58	4.047 TB	v5-06-39	v5-06-39-01

Proposed (new) MonALISA page



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MonteCarlo production requests (show details)

How to filter

Production tag and anchoring							Request tracking				Current status	Events		Run statistics			Options
Tag	Jira tickets	Files	Anchor prod.	Collision	Energy (GeV)	Run list	Comment	PWG	Production	Requested	Generated	Output size	Run time	Saving time	Edit		
LHC15k2				p-Pb		1 simulation with fastgen for Lc->K0S+p for multivariate analysis					2030550	1.597 TB	13y 281d	24d 17:11			
LHC15k1		LHC15f		Pb-Pb	5,020	1 HIJING min.bias					9760	311 GB	1y 123d	4d 12:31			
LHC15j1		LHC15i		p-p	13,000	1 check pileup tagging performance					492000	641.3 GB	99d 21:19	2d 19:22			
LHC15h2l		LHC12i		p-p	8,000	16 PHOJET minimum bias, pass2					2326450	858.8 GB	6y 90d	12d 23:52			
LHC15h2h		LHC12h		p-p	8,000	16 PHOJET minimum bias, pass2					12386850	4.172 TB	33y 159d	67d 21:22			
LHC15h2g		LHC12g		p-p	8,000	14 PHOJET minimum bias, pass2					15629250	5.82 TB	43y 314d	88d 19:24			
LHC15h2f		LHC12f		p-p	8,000	16 PHOJET minimum bias, pass2					10865050	3.976 TB	27y 351d	71d 20:34			
LHC15h2e		LHC12e		p-p	8,000	5 PHOJET minimum bias, pass2					632450	237.5 GB	1y 253d	3d 10:31			
LHC15h2d		LHC12d		p-p	8,000	5 PHOJET minimum bias, pass2					1185100	444.4 GB	3y 52d	6d 19:08			
LHC15h2c		LHC12c		p-p	8,000	5 PHOJET minimum bias, pass2					1713600	658.8 GB	4y 301d	9d 12:42			
LHC15h2b		LHC12b		p-p	8,000	4 PHOJET minimum bias, pass2					61841150	23.19 TB	175y 218d	358d 21:06			
LHC15h1i		LHC12i		p-p	8,000	33 Pythia 8 minimum bias, pass2					5713400	2.097 TB	15y 238d	31d 12:14			
LHC15h1h		LHC12h		p-p	8,000	78 Pythia 8 minimum bias, pass2					30286900	10.74 TB	81y 207d	185d 0:04			
LHC15h1g		LHC12g		p-p	8,000	14 Pythia 8 minimum bias, pass2					15664950	5.832 TB	41y 185d	164d 3:05			
LHC15h1f		LHC12f		p-p	8,000	74 Pythia 8 minimum bias, pass2					58047500	21.52 TB	156y 4d	334d 8:27			
LHC15h1e		LHC12e		p-p	8,000	14 Pythia 8 minimum bias, pass2					627550	235.1 GB	1y 244d	7d 4:55			
LHC15h1d		LHC12d		p-p	8,000	62 Pythia 8 minimum bias, pass2					8739850	3.207 TB	23y 236d	48d 15:07			
LHC15h1c		LHC12c		p-p	8,000	93 Pythia 8 minimum bias, pass2					10587500	4.005 TB	29y 13d	56d 7:03			
LHC15h1b		LHC12b		p-p	8,000	12 Pythia 8 minimum bias, pass2					6009950	22.52 TB	164y 166d	1y 112d			
LHC15i2e		LHC10e		p-p	7,000	126 Pythia6 (Perugia2011), data (pass 4), for D mesons in jets analysis					11529200	9.345 TB	45y 95d	130d 3:38			
LHC15i2d		LHC10d		p-p	7,000	62 Pythia6 (Perugia2011), data (pass 4), for D mesons in jets analysis					10951000	8.921 TB	42y 284d	101d 23:50			
LHC15i2c		LHC10c		p-p	7,000	46 Pythia6 (Perugia2011), data (pass 4), for D mesons in jets analysis					5455800	4.392 TB	21y 171d	64d 9:39			
LHC15i2b		LHC10b		p-p	7,000	45 Pythia6 (Perugia2011), data (pass 4), for D mesons in jets analysis					1861800	1.477 TB	7y 33d	33d 12:18			
LHC15i1				Pb-Pb	2,760	1 Efficiency study in Pb-Pb 2011 for (anti-)d, (anti-)t, (anti-)3He and ...					53750	574.5 GB	8y 233d	23d 11:18			
LHC15g5b		LHC13b		p-Pb	5,020	12 HIJING, with shadowing					44135000	1.425 TB	30d 14:21	17d 19:41			
LHC15g3c2		LHC15f		p-p	13,000	1 2nd PYTHIA6(Perugia-2011) min.bias					4338600	3.222 TB	20y 9d	57d 13:28			
LHC15g3a2		LHC15f		p-p	13,000	1 2nd PYTHIA8 Monash-2013					4305800	4.047 TB	20y 241d	60d 20:58			
LHC15g3c		LHC15f		p-p	13,000	65 new PYTHIA6(Perugia-2011) min.bias					87673400	64.55 TB	416y 332d	4y 201d			
LHC15h2a		LHC12a		p-p	8,000	18 PHOJET minimum bias, pass2					40287800	14.77 TB	107y 225d	319d 2:10			
LHC15h1a1				p-p	8,000	6 Pythia 8 minimum bias anchored to LHC12[a-d] pass2					66259200	24.36 TB	175y 264d	1y 334d			
LHC15g6f		LHC10f		p-p	7,000	4 Pythia Perugia-2011 jet-jet anchored in, data, pass4					46989600	44.28 TB	348y 123d	4y 23d			
LHC15g6e		LHC10e		p-p	7,000	9 Pythia Perugia-2011 jet-jet anchored in, data, pass4					65320750	59.26 TB	228y 182d	1y 89d			



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MonteCarlo production requests (show details)

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Tag	Jira tickets	Files	Anchor prod.	Collision	Energy (GeV)	Run list	Comment	PWG	Production	Requested	Generated	Output size	Run time	Saving time	Edit	
LHC15k2				p-Pb		1 simulation with fastgen for Lc->K0S+p for multivariate analysis					2030550	1.597 TB	13y 281d	24d 17:11		
LHC15k1		LHC15f		Pb-Pb	5,020	1 HIJING min.bias					9760	311 GB	1y 123d	4d 12:31		
LHC15j1		LHC15i		p-p	13,000	1 check pileup tagging performance					492000	641.3 GB	99d 21:19	2d 19:22		
LHC15h2l		LHC12i		p-p	8,000	16 PHOJET minimum bias, pass2					2326450	858.8 GB	6y 90d	12d 23:52		
LHC15h2h		LHC12h		p-p	8,000	16 PHOJET minimum bias, pass2					12386850	4.172 TB	33y 159d	67d 21:22		
LHC15h2g		LHC12g		p-p	8,000	14 PHOJET minimum bias, pass2					15629250	5.82 TB	43y 314d	88d 19:24		
LHC15h2f		LHC12f		p-p	8,000	16 PHOJET minimum bias, pass2					10865050	3.976 TB	27y 351d	71d 20:34		
LHC15h2e		LHC12e		p-p	8,000	5 PHOJET minimum bias, pass2					632450	237.5 GB	1y 253d	3d 10:31		
LHC15h2d		LHC12d		p-p	8,000	5 PHOJET minimum bias, pass2					1185100	444.4 GB	3y 52d	6d 19:08		
LHC15h2c		LHC12c		p-p	8,000	5 PHOJET minimum bias, pass2					1713600	658.8 GB	4y 301d	9d 12:42		
LHC15h2b		LHC12b		p-p	8,000	4 PHOJET minimum bias, pass2					61841150	23.19 TB	175y 218d	358d 21:06		
LHC15h1i		LHC12i		p-p	8,000	33 Pythia 8 minimum bias, pass2					5713400	2.097 TB	15y 238d	31d 12:14		
LHC15h1h		LHC12h		p-p	8,000	78 Pythia 8 minimum bias, pass2					30286900	10.74 TB	81y 207d	185d 0:04		
LHC15h1g		LHC12g		p-p	8,000	14 Pythia 8 minimum bias, pass2					15664950	5.832 TB	41y 185d	164d 3:05		
LHC15h1f		LHC12f		p-p	8,000	74 Pythia 8 minimum bias, pass2					58047500	21.52 TB	156y 4d	334d 8:27		
LHC15h1e		LHC12e		p-p	8,000	14 Pythia 8 minimum bias, pass2					627550	235.1 GB	1y 244d	7d 4:55		
LHC15h1d		LHC12d		p-p	8,000	62 Pythia 8 minimum bias, pass2					8739850	3.207 TB	23y 236d	48d 15:07		
LHC15h1c		LHC12c		p-p	8,000	93 Pythia 8 minimum bias, pass2					10587500	4.005 TB	29y 13d	56d 7:03		
LHC15h1b		LHC12b		p-p	8,000	12 Pythia 8 minimum bias, pass2					6009950	22.52 TB	164y 166d	1y 112d		
LHC15i2e		LHC10e		p-p	7,000	126 Pythia6 (Perugia2011), data (pass 4), for D mesons in jets analysis					11529200	9.345 TB	45y 95d	130d 3:38		
LHC15i2d		LHC10d		p-p	7,000	62 Pythia6 (Perugia2011), data (pass 4), for D mesons in jets analysis					10951000	8.921 TB	42y 284d	101d 23:50		
LHC15i2c		LHC10c		p-p	7,000	46 Pythia6 (Perugia2011), data (pass 4), for D mesons in jets analysis					5455800	4.392 TB	21y 171d	64d 9:39		
LHC15i2b		LHC10b		p-p	7,000	45 Pythia6 (Perugia2011), data (pass 4), for D mesons in jets analysis					1861800	1.477 TB	7y 33d	33d 12:18		
LHC15i1				Pb-Pb	2,760	1 Efficiency study in Pb-Pb 2011 for (anti-)d, (anti-)t, (anti-)3He and ...					53750	574.5 GB	8y 233d	23d 11:18		
LHC15g5b		LHC13b		p-Pb	5,020	12 HIJING, with shadowing					44135000	1.425 TB	30d 14:21	17d 19:41		
LHC15g3c2		LHC15f		p-p	13,000	1 2nd PYTHIA6(Perugia-2011) min.bias					4338600	3.222 TB	20y 9d	57d 13:28		
LHC15g3a2		LHC15f		p-p	13,000	1 2nd PYTHIA8 Monash-2013					4305800	4.047 TB	20y 241d	60d 20:58		
LHC15g3c		LHC15f		p-p	13,000	65 new PYTHIA6(Perugia-2011) min.bias					87673400	64.55 TB	416y 332d	4y 201d		
LHC15h2a		LHC12a		p-p	8,000	18 PHOJET minimum bias, pass2					40287800	14.77 TB	107y 225d	319d 2:10		
LHC15h1a1				p-p	8,000	6 Pythia 8 minimum bias anchored to LHC12[a-d] pass2					66259200	24.36 TB	175y 264d	1y 334d		
LHC15g6f		LHC10f		p-p	7,000	4 Pythia Perugia-2011 jet-jet anchored in, data, pass4					46989600	44.28 TB	348y 123d	4y 23d		
LHC15g6e		LHC10e		p-p	7,000	9 Pythia Perugia-2011 jet-jet anchored in, data, pass4					65320750	59.26 TB	228y 182d	1y 89d		

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Running jobs trend

24h 12h 6h 1h (click arrows for detailed view)

MonteCarlo production requests (hide details)

Production tag and anchoring		Software versions					Request tracking					Current status	Events	Request statistics	Options					
Tag	Files	Anchor prod.	Collision	Energy (GeV)	Run list	AllPhysics	AllRoot	Root	Geant	Additional Packages	Comment	PWG	PAC	Requester	Production Requested	Generated	Output size	Run time	Saving time	Unit
LHC15k2			P-Pb		1 v5-07-01-01-1	v5-07-01-1	v5-34-30-alice-1	v2-0-1			simulation with fastgen for Lc->K0S+p for multivariate analysis				2034750	1.6 TB	13y 2936	24d 18:55		
LHC15k1	LHC15f		Pb-Pb	5,020	1 v5-07-03-01-1	v5-07-03-1	v5-34-30-alice-3	v2-0-1			HDJING min.bias				9760	311 GB	1y 1234	4d 12:31		
LHC15j1	LHC15i		p-p	13,000	1 v5-07-09-01-1	v5-07-09-1	v5-34-30-alice-6	v2-0-1			check pileup tagging performance				492000	641.3 GB	99d 21:19	2d 19:22		
LHC15h2	LHC12i		p-p	8,000	16 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				PHOJET minimum bias, pass2				2339750	862.9 GB	6y 1064	13d 1:18		
LHC15h2h	LHC12h		p-p	8,000	16 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				PHOJET minimum bias, pass2				12442500	4.193 TB	33y 232d	68d 3:00		
LHC15h2g	LHC12g		p-p	8,000	14 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				PHOJET minimum bias, pass2				15629250	5.82 TB	43y 314d	88d 19:24		
LHC15h2f	LHC12f		p-p	8,000	16 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				PHOJET minimum bias, pass2				10873450	3.979 TB	27y 361d	71d 21:41		
LHC15h2e	LHC12e		p-p	8,000	5 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				PHOJET minimum bias, pass2				632450	237.5 GB	1y 253d	3d 10:31		
LHC15h2d	LHC12d		p-p	8,000	5 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				PHOJET minimum bias, pass2				1187200	445.2 GB	3y 54d	6d 19:21		
LHC15h2c	LHC12c		p-p	8,000	5 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				PHOJET minimum bias, pass2				1715700	659.6 GB	4y 304d	9d 12:55		
LHC15h2b	LHC12b		p-p	8,000	4 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				PHOJET minimum bias, pass2				62208050	23.26 TB	176y 57d	359d 19:52		
LHC15h1f	LHC12i		p-p	8,000	33 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				Pythia 8 minimum bias, pass2				5713400	2.097 TB	15y 238d	31d 12:14		
LHC15h1h	LHC12h		p-p	8,000	78 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				Pythia 8 minimum bias, pass2				30286900	10.74 TB	81y 207d	185d 0:04		
LHC15h1g	LHC12g		p-p	8,000	14 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				Pythia 8 minimum bias, pass2				15664950	5.832 TB	41y 185d	164d 3:05		
LHC15h1f	LHC12f		p-p	8,000	74 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				Pythia 8 minimum bias, pass2				58047500	21.52 TB	156y 4d	334d 8:27		
LHC15h1e	LHC12e		p-p	8,000	14 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				Pythia 8 minimum bias, pass2				627550	235.1 GB	1y 244d	7d 4:55		
LHC15h1d	LHC12d		p-p	8,000	62 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				Pythia 8 minimum bias, pass2				8739850	3.207 TB	23y 236d	48d 15:07		
LHC15h1c	LHC12c		p-p	8,000	93 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				Pythia 8 minimum bias, pass2				10587500	4.005 TB	29y 13d	56d 7:03		
LHC15h1b	LHC12b		p-p	8,000	12 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				Pythia 8 minimum bias, pass2				60088700	22.55 TB	164y 264d	1y 112d		
LHC15i2e	LHC10e		p-p	7,000	126 v5-05-Rev-22d	v5-34-08-6	v1-15a-1				Pythia6 (Perugia2011), data (pass 4), for D mesons in jets analysis				11529200	9.345 TB	45y 95d	130d 3:38		
LHC15i2d	LHC10d		p-p	7,000	62 v5-05-Rev-22d	v5-34-08-6	v1-15a-1				Pythia6 (Perugia2011), data (pass 4), for D mesons in jets analysis				10951000	8.921 TB	42y 284d	101d 23:50		
LHC15i2c	LHC10c		p-p	7,000	46 v5-05-Rev-22d	v5-34-08-6	v1-15a-1				Pythia6 (Perugia2011), data (pass 4), for D mesons in jets analysis				5455800	4.392 TB	21y 171d	64d 9:39		
LHC15i2b	LHC10b		p-p	7,000	45 v5-05-Rev-22d	v5-34-08-6	v1-15a-1				Pythia6 (Perugia2011), data (pass 4), for D mesons in jets analysis				1861800	1.477 TB	7y 33d	33d 12:18		
LHC15i1			Pb-Pb	2,760	1 v5-06-39-01	v5-06-39	v5-34-30-1				Efficiency study in Pb-Pb 2011 for (anti-)d, (anti-)t, (anti-)3He and ...				53750	574.5 GB	8y 233d	23d 11:18		
LHC15i5b	LHC13b		p-Pb	5,020	12 v5-06-34-01	v5-06-34	v5-34-30-1	v2-0-1			HDJING, with shadowing				44135000	1.425 TB	30d 14:21	17d 19:41		
LHC15i3c2	LHC15f		p-p	13,000	1 v5-06-39-01	v5-06-39	v5-34-30-1	v2-0-1			2nd PYTHIA6(Perugia-2011) min.bias				4338600	3.222 TB	20y 9d	57d 13:28		
LHC15i3a2	LHC15f		p-p	13,000	1 v5-06-39-01	v5-06-39	v5-34-30-1	v2-0-1			2nd PYTHIA8 Monash-2013				4305800	4.047 TB	20y 241d	60d 20:58		
LHC15i3c	LHC15f		p-p	13,000	65 v5-06-39-01	v5-06-39	v5-34-30-1	v2-0-1			new PYTHIA6(Perugia-2011) min.bias				87673400	64.55 TB	416y 332d	4y 201d		
LHC15i2a	LHC12a		p-p	8,000	18 v5-05-Rev-30b-2	v5-34-08-alice-1	v1-15a-0-1				PHOJET minimum bias, pass2				40287800	14.77 TB	107y 225d	319d 2:10		
LHC15h1a1			p-p	8,000	6 v5-05-Rev-30a	v5-34-08-6	v1-15a-0-1				Pythia 8 minimum bias anchored to LHC12[a-d] pass2				66259200	24.36 TB	175y 264d	1y 334d		
LHC15i5f	LHC10f		p-p	7,000	4 v5-05-Rev-22c	v5-34-08-6	v1-15a-1				Pythia Perugia-2011 jet-jet anchored in, data, pass4				46989600	44.28 TB	348y 123d	4y 23d		
LHC15i5e	LHC10e		p-p	7,000	9 v5-05-Rev-22c	v5-34-08-6	v1-15a-1				Pythia Perugia-2011 jet-jet anchored in, data, pass4				65320750	59.26 TB	130y 182d	1y 89d		
LHC15i5d	LHC10d		p-p	7,000	3 v5-05-Rev-22c	v5-34-08-6	v1-15a-1				Pythia Perugia-2011 jet-jet anchored in, data, pass4				9324200	18.74 TB	325y 237d	1y 245d		
LHC15i5c	LHC10c		p-p	7,000	5 v5-05-Rev-22c	v5-34-08-6	v1-15a-1				Pythia Perugia-2011 jet-jet anchored in, data, pass4				46239500	37.18 TB	152y 9d	1y 65d		

To clone an existing request



26/11/15

I. Lakomov, Offline Week

7



Creating a new entry in the DB


Software versions					Request tracking					
Collision	Energy (GeV)	Run list	AliPhysics	AliRoot	Root	Geant	Additional	Comment	PWG	PAG
p-Pb		1	v5-07-01-01-1	v5-07-01-1						
Pb-Pb	5,020	1	v5-07-03-01-1	v5-07-03-1						
p-p	13,000	1	v5-07-09-01-1	v5-07-09-1						
p-p	8,000	16		v5-05-Rev-30b-2						
p-p	8,000	16		v5-05-Rev-30b-2						
p-p	8,000	14		v5-05-Rev-30b-2						
p-p	8,000	16		v5-05-Rev-30b-2						
p-p	8,000	5		v5-05-Rev-30b-2						
p-p	8,000	5		v5-05-Rev-30b-2						
p-p	8,000	5		v5-05-Rev-30b-2						
p-p	8,000	4		v5-05-Rev-30b-2						
p-p	8,000	33		v5-05-Rev-30b-2						
p-p	8,000	78		v5-05-Rev-30b-2						
p-p	8,000	14		v5-05-Rev-30b-2						
p-p	8,000	74		v5-05-Rev-30b-2						
p-p	8,000	14		v5-05-Rev-30b-2						
p-p	8,000	62		v5-05-Rev-30b-2						
p-p	8,000	93		v5-05-Rev-30b-2						
p-p	8,000	12		v5-05-Rev-30b-2						
p-p	7,000	126		v5-05-Rev-22d						
p-p	7,000	62		v5-05-Rev-22d						
p-p	7,000	46		v5-05-Rev-22d						
n-n	7,000	45		v5-05-Rev-22d						

Cloning a MC production

Production tag and anchoring

Tag:

Jira tickets:

Anchor prod.: 

Collision:

Energy (GeV):

Run list:

Software versions

AliROOT:

Additional packages:

Comment:

Request tracking

PWG:

PAG:

Current status

Production:

Events

Requested:

Choose production pass

Creating a new entry in the DB

Software versions					Request tracking					
Collision	Energy (GeV)	Run list	AliPhysics	AliRoot	Root	Geant	Additional	Comment	PWG	PAG
p-Pb		1	v5-07-01-01-1	v5-07-01-1						
Pb-Pb	5,020	1	v5-07-03-01-1	v5-07-03-1						
p-p	13,000	1	v5-07-09-01-1	v5-07-09-1						
p-p	8,000	16		v5-05-Rev-30b-2						
p-p	8,000	16		v5-05-Rev-30b-2						
p-p	8,000	14		v5-05-Rev-30b-2						
p-p	8,000	16		v5-05-Rev-30b-2						
p-p	8,000	5		v5-05-Rev-30b-2						
p-p	8,000	5		v5-05-Rev-30b-2						
p-p	8,000	5		v5-05-Rev-30b-2						
p-p	8,000	4		v5-05-Rev-30b-2						
p-p	8,000	33		v5-05-Rev-30b-2						
p-p	8,000	78		v5-05-Rev-30b-2						
p-p	8,000	14		v5-05-Rev-30b-2						
p-p	8,000	74		v5-05-Rev-30b-2						
p-p	8,000	14		v5-05-Rev-30b-2						
p-p	8,000	62		v5-05-Rev-30b-2						
p-p	8,000	93		v5-05-Rev-30b-2						
p-p	8,000	12		v5-05-Rev-30b-2						
p-p	7,000	126		v5-05-Rev-22d						
p-p	7,000	62		v5-05-Rev-22d						
p-p	7,000	46		v5-05-Rev-22d						
p-p	7,000	45		v5-05-Rev-22d						

Cloning a MC production

Production tag and anchoring

Tag: LHC15o1

Jira tickets:

Anchor prod.: LHC period LHC15f - Full production pass 1

Collision: p-p

Energy (GeV): 900

Run list:

Software versions

AliROOT: v5-07-12a-1

Additional packages:

Comment:

Request tracking

PWG: SELECT PWG

PAG:

Current status

Production:

Events

Requested:

Choose colliding system and energy

Search run list

Creating a new entry in the DB

Software versions					Request tracking					
Collision	Energy (GeV)	Run list	AliPhysics	AliRoot	Root	Geant	Additional	Comment	PWG	PAG
p-Pb		1	v5-07-01-01-1	v5-07-01-1						
Pb-Pb	5,020	1	v5-07-03-01-1	v5-07-03-1						
p-p	13,000	1	v5-07-09-01-1	v5-07-09-1						
p-p	8,000	16		v5-05-Rev-30b-2						
p-p	8,000	16		v5-05-Rev-30b-2						
p-p	8,000	14		v5-05-Rev-30b-2						
p-p	8,000	16		v5-05-Rev-30b-2						
p-p	8,000	5		v5-05-Rev-30b-2						
p-p	8,000	5		v5-05-Rev-30b-2						
p-p	8,000	5		v5-05-Rev-30b-2						
p-p	8,000	4		v5-05-Rev-30b-2						
p-p	8,000	33		v5-05-Rev-30b-2						
p-p	8,000	78		v5-05-Rev-30b-2						
p-p	8,000	14		v5-05-Rev-30b-2						
p-p	8,000	74		v5-05-Rev-30b-2						
p-p	8,000	14		v5-05-Rev-30b-2						
p-p	8,000	62		v5-05-Rev-30b-2						
p-p	8,000	93		v5-05-Rev-30b-2						
p-p	8,000	12		v5-05-Rev-30b-2						
p-p	7,000	126		v5-05-Rev-22d						
p-p	7,000	62		v5-05-Rev-22d						
p-p	7,000	46		v5-05-Rev-22d						
p-p	7,000	45		v5-05-Rev-22d						

Cloning a MC production

Production tag and anchoring

Tag: LHC15o1

Jira tickets: []

Anchor prod.: LHC period LHC15f - Full production pass 1

Collision: p-p

Energy (GeV): 13,000

Run list: 224895, 224896, 224897, 224898, 224930, 224988, 224997, 225000, 225011, 225026, 225031, 225035, 225050, 225051, 225052, 225093

Software versions

AliROOT: v5-07-12a-1

Additional packages: []

Comment: []

Request tracking

PWG: PWGCF

PAG: []

Current status

Production: []

Events

Requested: []

Submit »

Choose PWG and PAG

Search features

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MonALISA Repository for ALICE



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ALICE Repository

- ALICE Repository
- Google Map
- Shifter's dashboard
- Run Condition Table
- Production Overview
- Production info
- Job Information
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Current page

Running jobs trend

Running jobs trend

24h 12h 6h 1h

(click arrows for detailed view)

MonteCarlo production requests (show details)

Create Production »


How to filter ?

Production tag and anchoring				Request tracking				Current status	Events		Run statistics		Options		
Tag	Jira tickets	Files	Anchor prod.	Collision	Energy (GeV)	Run list	Comment	PWG	Production	Requested	Generated	Output size	Run time	Saving time	Edit
LHC15g5b		LHC13b	LHC13b	p-Pb	5,020	12 HIJING, with shadowing					44135000	1.425 TB	30d 14:21	17d 19:41	
LHC15g5		LHC13b	LHC13b	p-Pb	5,020	12 HIJING					43060500	1.049 TB	147d 6:26	15d 15:51	
LHC15g4a		LHC13b	LHC13b	p-Pb	5,020	5 STARLIGHT, rho(1720)->4pi					125000	20.16 GB	70d 21:45	1d 7:57	
LHC15d4a	5948	LHC13b, LHC13c	LHC13b, LHC13c	p-Pb	5,020	25 AMPT minimum bias, periods with MUON+ITS reco		PWGCF	done	100000000	57777000	11.1 TB	122y 287d	222d 5:35	
LHC15d1	5903	LHC13b	LHC13b	p-Pb	5,020	5 p-Pp, STARLIGHT, rho0->pi+pi-		PWGUD	done	180000	116800	16.45 GB	58d 0:24	16:57	
LHC15a1b	5753	LHC13b	LHC13b	p-Pb	5,020	1 flat J/Psi -> mu+mu- simulation anchored to one pA run		PWGUD	done	1000000	1099600	155.5 GB	1y 170d	3d 20:51	
LHC15a1a	5753	LHC13b	LHC13b	p-Pb	5,020	1 flat J/Psi -> e+e- simulation anchored to one pA run		PWGUD	done	1000000	1091600	157.2 GB	1y 167d	4d 9:31	
LHC14l1	5722	LHC13b, LHC13f	LHC13b, LHC13f	p-Pb	5,020	34 STARLIGHT, rho0->pi+pi-		PWGUD	done	20000	745500	87.64 GB	1y 5d	5d 7:07	
LHC14g3d	5545	LHC13b, LHC13c, LHC13d, LHC13e	LHC13b, LHC13c, LHC13d, LHC13e	p-Pb	5,020	4 light quark sample in pt hard bins and Hijing underlying event, - EMCA...		PWGHE	done		13521750	13.45 TB	68y 23d	251d 5:58	
LHC14g3c	5545	LHC13b, LHC13c, LHC13d, LHC13e	LHC13b, LHC13c, LHC13d, LHC13e	p-Pb	5,020	4 HF jet pPb, enhanced charm/beauty in pt hard bins, Pythia, Perugia2011...		PWGHE	done		4515750	3.995 TB	19y 224d	73d 7:31	
LHC14i2	5611	LHC10c, LHC11a, LHC13g, LHC10d, LHC12b, LHC13b, LHC13f, LHC10h	LHC10c, LHC11a, LHC13g, LHC10d, LHC12b, LHC13b, LHC13f, LHC10h	p-p		8 p-Pb, Pb-p, Pb-Pb, all energies, Check of secondary correction for sys...		PWGLF	done	1000000	5726980	5.536 TB	40y 65d	282d 13:08	
LHC14g3b	5545	LHC13b, LHC13c, LHC13d, LHC13e	LHC13b, LHC13c, LHC13d, LHC13e	p-Pb	5,020	23 light quark sample in pt hard bins and Hijing underlying event		PWGHE	done		61555500	94.27 TB	349y 247d	3y 60d	
LHC14g3a	5545	LHC13b, LHC13c, LHC13d, LHC13e	LHC13b, LHC13c, LHC13d, LHC13e	p-Pb	5,020	23 HF jet pPb, enhanced charm/beauty in pt hard bins, Pythia, Perugia2011...		PWGHE	done		21639600	27.74 TB	111y 321d	345d 22:56	
LHC14c2_p3	5417	LHC13b, LHC13c	LHC13b, LHC13c	p-Pb	5,020	1 DPMJET, (p-A), ITSRecPoints, part3		PWGPP	done		2044600	1.996 TB	23y 260d	43d 23:23	
LHC14c2_p2	5417	LHC13b, LHC13c	LHC13b, LHC13c	p-Pb	5,020	1 DPMJET, (p-A), ITSRecPoints, part2		PWGPP	done		2094300	2.042 TB	23y 356d	48d 9:16	
LHC14c2	5417	LHC13b, LHC13c	LHC13b, LHC13c	p-Pb	5,020	1 DPMJET, (p-A), ITSRecPoints		PWGPP	done		393600	276.7 GB	2y 22d	4d 7:26	
LHC14b2		LHC13b, LHC13c	LHC13b, LHC13c	p-Pb		26 Hijing with added neutral signals, increased pi0 BR wrt LHC13e7					51417300	63.77 TB	325y 301d	3y 73d	
LHC13d3_plus		LHC13b, LHC13c	LHC13b, LHC13c	p-Pb		23 HF->ee, increase stat for D-meson efficiency studies					46340500	50.4 TB	251y 81d	1y 279d	
LHC14a2		LHC13b, LHC13c	LHC13b, LHC13c	p-Pb		25 DPMJET, Nuclei enhancement (d, 3He), minimum bias					254400	381.2 GB	3y 38d	4d 7:15	
LHC13f2d		LHC13b, LHC13c	LHC13b, LHC13c	p-Pb		26 DPMJET, Omega+(3334) with etalab <1.2					5586450	8.697 TB	133y 22d	272d 11:20	
LHC13f2c		LHC13b, LHC13c	LHC13b, LHC13c	p-Pb		26 DPMJET, Omega-(3334) with etalab <1.2					5559600	8.641 TB	136y 208d	271d 8:40	
LHC13f2b		LHC13b, LHC13c	LHC13b, LHC13c	p-Pb	2	26 DPMJET, Xi+(3312) with pT >, and etalab <1.2					2898700	4.273 TB	56y 276d	166d 23:06	
LHC13f2a		LHC13b, LHC13c	LHC13b, LHC13c	p-Pb	2	26 DPMJET, Xi-(3312) with pT >, and etalab <1.2					2863950	4.225 TB	56y 134d	128d 10:54	





GitLab repository


<https://gitlab.cern.ch/alice/AliceMcProductionSetup> → master/aliprod


 GitLab


Back to group


 Project


 Activity


 Files


 Commits

 Network

 Graphs

 Milestones

 Merge Requests **0**

 Labels









ALICEOffline / AliceMcProductionSetup · Files

SIGN IN

master

AliceMcProductionSetup / aliprod

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Name	Last Update	Last Commit > 5771519b – Updated test configuration for 1k jobs, 50 evts...	History
..			
 LHC08d1	 Loading commit data...		
 LHC08d10			
 LHC08d11			
 LHC08d12			
 LHC08d13			
 LHC08d14			
 LHC08d15			

Issues to be solved

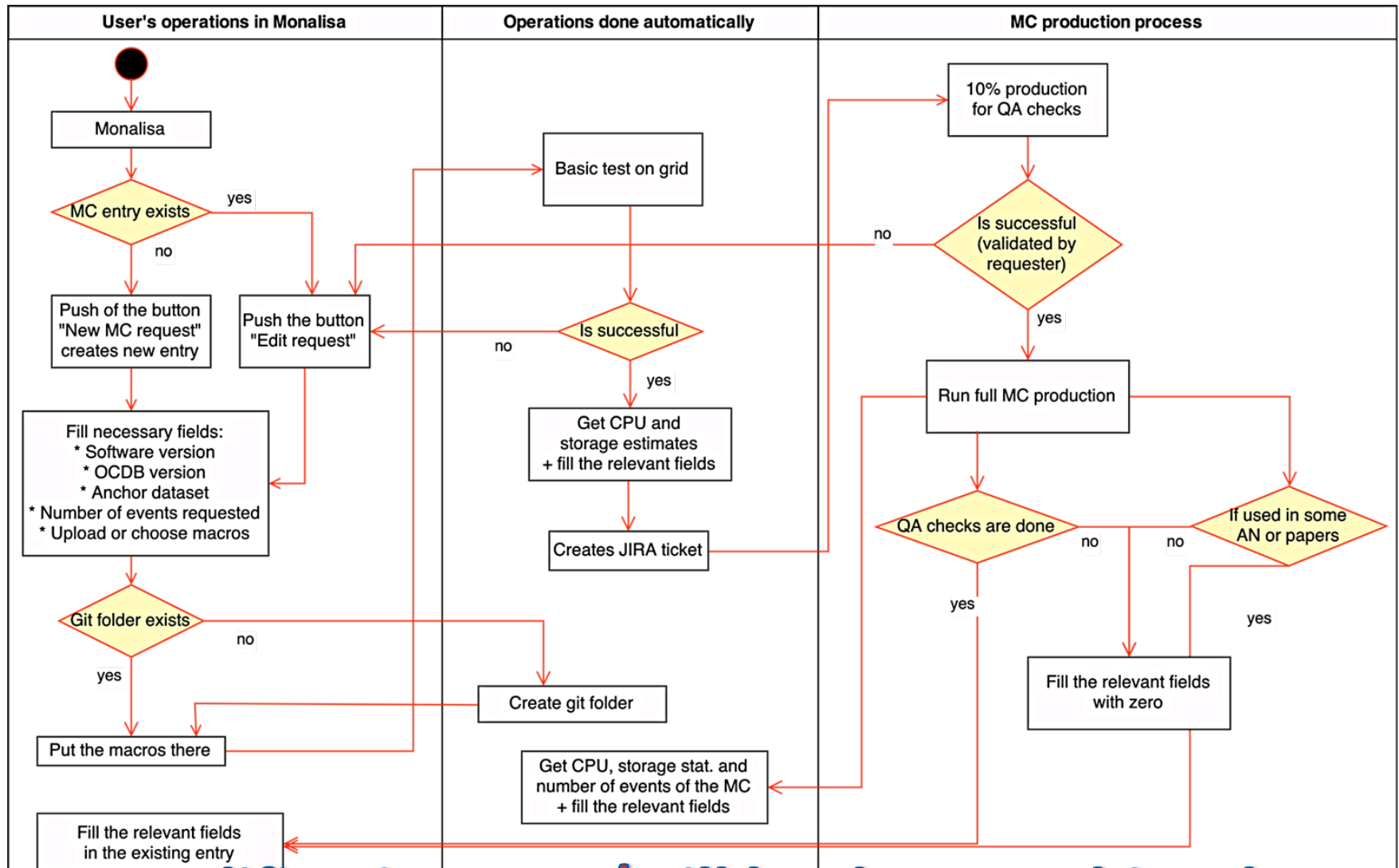
- Preliminary discussion with Latchezar, Predrag and Peter has been held. The following concerns were raised up:
 - ✓ Relationship Monalisa/JIRA/GitLab to be established.
 - Some of these relations after preliminary discussion with Dario and Costin seem to be difficult to implement.
 - ✓ Change the structure of JIRA?
 - ✓ Some other tunings to be done.
- Define the time of the first creation of new entries.
- Final tunings to be implemented.
- Writing the official guide for the new workflow is in progress.

Project status summary and plans

- ❖ Current link to the MonALISA page: <http://alimonitor.cern.ch/MC/>
 - ❖ Link to the GitLab repository: <https://gitlab.cern.ch/alice/AliceMcProductionSetup>
 - ❖ Main advantages of the new workflow:
 - Much easier way to create a new MC request or edit the existing one:
 - ✓ Allows to choose the anchor production from the drop-down list which allows to show the run list in a given pass.
 - ✓ Collision system, energy, PWG and PAG are also chosen from drop-down list.
 - ✓ List of additional packages as it is done in LEGO trains system.
 - ✓ Links to the macros on alien and on a dedicated GitLab repository.
 - ✓ Commits to GitLab can be automatically added to the relevant JIRA tickets.
 - All the changes to macros can be easily tracked using GitLab repository.
 - Much easier to find a MC production (many filters are allowed due to many fields).
 - ❖ Plans:
 - Some final tunings and writing the official guide for the new workflow are still in progress.
 - Hope to come out with a fully working version soon (but depends on the time availability of Costin).
- **Special thanks to Costin and Markus who did the most of the technical part and to all the others for the valuable discussions!**

Backup

MC production flowchart



Some modifications are/will be done to this scheme