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Central Page

Higgs

ggH

Description		DSID range				
Baseline						
H4l		345060,346695,346701 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345060	PowhegPythia8EvtGen_NNLOPS_nnlo_30_ggH125_tau0143	17255	6740000	28.3	1.0	1.0000E+00
346695	PhPy8EG_Prophecy_NNLOPS_nnlo_30_ggH125_tau0143	257762	4885000	25.655	1.0	1.0000E+00
346701	PhPy8EG_Hto4l_NNLOPS_nnlo_30_ggH125_tau0143	27749	3835000	0.99933	1.0	1.0000E+00
Het		345125 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345125	PowhegPy8EG_NNLOPS_nnlo_30_ggH125_tau0143	5814	1989000	28.302	1.0	6.3946E-01
Hmm		345097 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345097	PowhegPythia8EvtGen_NNLOPS_nnlo_30_ggH125_tau0143	17252	2000000	0.010571	1.0	1.0000E+00
Hmt		345124 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345124	PowhegPy8EG_NNLOPS_nnlo_30_ggH125_tau0143	5814	5490000	28.302	1.0	6.3927E-01
Htt		345120-345123,346531-346532,346564 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345120	PowhegPy8EG_NNLOPS_nnlo_30_ggH125_tau0143	5814	9573000	3.0469	1.0	0.053756
345121	PowhegPy8EG_NNLOPS_nnlo_30_ggH125_tau0143	5814	3819200	6.0938	1.0	0.037749
345122	PowhegPy8EG_NNLOPS_nnlo_30_ggH125_tau0143	5814	3819200	6.0938	1.0	0.037826
345123	PowhegPy8EG_NNLOPS_nnlo_30_ggH125_tau0143	5814	9561000	3.0469	1.0	0.1889
346531	PowhegPy8EG_NNLOPS_nnlo30_ggH125_tau0143	7110	5792000	281301	1.0	1.6404E-01
346532	PowhegPy8EG_NNLOPS_nnlo30_ggH125_tau0143	7110	5792000	281301	1.0	1.6391E-01
346564	PowhegPy8EG_NNLOPS_nnlo30_ggH125_tau0143	7130	5299000	28.302	1.0	4.5257E-01
HWW		345324 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345324	PowhegPythia8EvtGen_NNLOPS_NN30_ggH125_tau0143	25769	7119000	28.5351	1.0	4.9374E-01
Hyy		343981 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
343981	PowhegPythia8EvtGen_NNLOPS_nnlo_30_ggH125_tau0143	17257	3829200	28.3	1.0	1.0000E+00
HZy		345316,345961 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345316	PowhegPythia8EvtGen_NNLOPS_nnlo_30_ggH125_tau0143	17253	7802000	28.305	1.0	1.0000E+00
345961	PowhegPythia8EvtGen_NNLOPS_nnlo_30_ggH125_tau0143	17250	3900000	1.3883	1.0	1.0000E+00
Alternative						

H4l		346446 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346446	PhH7EG_H7UE_NNLOPS_nnlo_30_ggH125_2741067000	e8231	6890000	28.306	1.0	1.0000E+00
Htt		600565-600568 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
600565	PhH7EG_ggH125_tautau30h20_ShowerSys_fix	e8231	6890000	28.295	1.0	4.4814E-01
600566	PhH7EG_ggH125_tautaul1317_ShowerSys_fix	e8231	2410000	28.297	1.0	4.3273E-01
600567	PhH7EG_ggH125_ttlp15hm20_ShowerSys_fix	e8231	2410000	28.296	1.0	1.6416E-01
600568	PhH7EG_ggH125_ttlm15hp20_ShowerSys_fix	e8231	6380000	28.295	1.0	1.6422E-01
HWW		346802 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346802	PhH7EG_NNLOPS_nnlo_30_ggH125_WWlvle	e7889	7300000	28.301	1.0	4.9243E-01
Hyy		346797 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346797	PhH7EG_H7UE_NNLOPS_nnlo_30_ggH125_ear	e7928	18300000	28.301	1.0	1.0000E+00
Systematic						
H4l		344158 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
344158	aMcAtNloPythia8EvtGen_A14NNPDF23LO_ppx00f	e5005	14800000	0.051214	1.0	1.0000E+00
Hyy		345944 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345944	aMcAtNloPy8EG_A14NNPDF23LO_ppx0yy_	e7955	18000000	0.051118	1.0	1.0000E+00

Description	DSID range					
Baseline						
H4l						
346340-346342,346414,346511 ↗						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346340	PowhegPy8EG_A14NNPDF23_NNPDF30ME_	e7079	5700000	0.23845	1.0	1.0000E+00
346341	PowhegPy8EG_A14NNPDF23_NNPDF30ME_	e7079	5700000	0.12464	1.0	4.3877E-01
346342	PowhegPy8EG_A14NNPDF23_NNPDF30ME_	e7079	4000000	0.054674	1.0	1.0000E+00
346414	aMcAtNloPythia8EvtGen_tHjb125_4fl_ZZ4l	e7273	500000	0.060642	1.0	1.0000E+00
346511	aMcAtNloPythia8EvtGen_tWH125_ZZ4l	e7427	210000	0.016728	1.0	1.0000E+00
Htt		346919,346923,346927 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346919	PhPy8EG_A14NNPDF23_NNPDF30ME_ttH125	e8291	14700000	0.23864	1.0	1.0000E+00
346923	PhPy8EG_A14NNPDF23_NNPDF30ME_ttH125	e8291	15700000	0.52492	1.0	4.3826E-01
346927	PhPy8EG_A14NNPDF23_NNPDF30ME_ttH125	e8291	19700000	0.054704	1.0	1.0000E+00
Hyy		346525,346677,346759 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346525	PowhegPythia8EvtGen_A14NNPDF23_NNPDE	e7088	7800000	0.052492	1.0	1.0000E+00
346677	aMcAtNloPythia8EvtGen_tHjb125_4fl_CP	e7815	1995000	0.060337	1.0	1.0000E+00

346759	aMcAtNloPythia8EvtGen_tWH125_CPalpha_0e2816ga	78162	1050000	0.016712	1.0	1.0000E+00
HZy		346198				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346198	PhPy8EG_A14NNPDF23_NNPDF30ME_ttH125_ZZ4l	e7529	5400000	0.52493	1.0	1.0000E+00
Alternative						
H4l		346452-346454				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346452	PhH7EG_H7UE_NNPDF30ME_ttH125_ZZ4l	e7180	3300000	0.23863	1.0	1.0000E+00
346453	PhH7EG_H7UE_NNPDF30ME_ttH125_ZZ4l	e7180	3060000	0.52513	1.0	4.3890E-01
346454	PhH7EG_H7UE_NNPDF30ME_ttH125_ZZ4l	e7180	1670000	0.05473	1.0	1.0000E+00
Hinc		346346-346348				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346346	PhH7EG_H7UE_NNPDF30ME_ttH125_allhad	e7148	19780000	0.23858	1.0	1.0000E+00
346347	PhH7EG_H7UE_NNPDF30ME_ttH125_semilep	e7148	19800000	0.52489	1.0	4.3842E-01
346348	PhH7EG_H7UE_NNPDF30ME_ttH125_dilep	e7148	19800000	0.0547	1.0	1.0000E+00
Hyy		346526,346602,346883				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346526	PowhegHerwig7EvtGen_H7UE_NNPDF30ME_ttH125_gam	e7182	5800000	0.52492	1.0	1.0000E+00
346602	aMcAtNloHerwig7EvtGen_MEN30NLO_tHjbl	e7562	2100000	0.062618	1.0	1.0000E+00
346883	aMcAtNloHerwig7EvtGen_MEN30NLO_tWH125	e7538	2100000	0.016647	1.0	1.0000E+00
Systematic						
Hinc		346443-346445				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346443	aMcAtNloPythia8EvtGen_ttH_noShWe_dilep	e7310	19550000	0.051245	1.0	1.0000E+00
346444	aMcAtNloPythia8EvtGen_ttH_noShWe_semilep	e7310	19550000	0.46103	1.0	4.4457E-01
346445	aMcAtNloPythia8EvtGen_ttH_noShWe_allhad	e7310	19550000	0.2051	1.0	1.0000E+00
Hyy		346189,346601				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346189	aMcAtNloPythia8EvtGen_ttH_gamgam	e7176	7800000	0.45783	1.0	1.0000E+00
346601	aMcAtNloHerwig7EvtGen_MEN30NLO_ttH125	e7561	4000000	0.46038	1.0	1.0000E+00

VBF_H

Description	DSID range					
Baseline						
H4l		346228,346317,346696,346702				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346228	PowhegPy8EG_NNPDF30_AZNLOCTEQ6L1_VBF4l	e7149	2500000	3.7474	1.0	1.0000E+00
346317	PowhegPy8EG_NNPDF30_AZNLOCTEQ6L1_VBF4l	e7149	2250000	3.7472	1.0	1.0000E+00
346696	PhPy8EG_Prophecy_NNPDF30_AZNLOCTEQ6L1_VBF4l	e7149	3000000	2.2968	1.0	1.0000E+00
346702	PhPy8EG_Hto4l_NNPDF30_AZNLOCTEQ6L1_VBF4l	e7149	1000000	4.9990	1.0	1.0000E+00
Hbb		345949				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff

345949	PowhegPythia8EvtGen_NNPDF30_AZNLOCTEQ6L1_VBFH125_tautaulm15hp20	7060000	2518042752	1.0	1.0000E+00	
Het		346194				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346194	PowhegPy8EG_NNPDF30_AZNLOCTEQ6L1_VBFH125_tautaulm15hp20	7060000	317475	1.0	6.7223E-01	
Hmt		346195				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346195	PowhegPy8EG_NNPDF30_AZNLOCTEQ6L1_VBFH125_tautaulm15hp20	7060000	317476	1.0	6.7190E-01	
Htt		346190-346193,346569-346570,346573				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346190	PowhegPy8EG_NNPDF30_AZNLOCTEQ6L1_VBFH125_tautaulm15hp20	7060000	317476	1.0	4.6566E-01	
346191	PowhegPy8EG_NNPDF30_AZNLOCTEQ6L1_VBFH125_tautaulm15hp20	7060000	317475	1.0	1.7637E-01	
346192	PowhegPy8EG_NNPDF30_AZNLOCTEQ6L1_VBFH125_tautaulm15hp20	7060000	317476	1.0	1.7648E-01	
346193	PowhegPy8EG_NNPDF30_AZNLOCTEQ6L1_VBFH125_tautaulm15hp20	7060000	317476	1.0	4.7285E-01	
346569	PowhegPy8EG_NNPDF30_VBFH125_tautaulm15hp20	7060000	3.7485	1.0	1.7529E-01	
346570	PowhegPy8EG_NNPDF30_VBFH125_tautaulp15hm20	7060000	3.7485	1.0	1.7529E-01	
346573	PowhegPy8EG_NNPDF30_VBFH125_tautauh30h20	7060000	3.7487	1.0	4.7533E-01	
HWW		345948				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345948	PowhegPy8EG_NNPDF30_AZNLOCTEQ6L1_VBFH125_tautaulm15hp20	7060000	3.7467	1.0	5.1032E-01	
Hyy		346214				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346214	PowhegPy8EG_NNPDF30_AZNLOCTEQ6L1_VBFH125_tautaulm15hp20	7060000	3.7464	1.0	1.0000E+00	
HZy		345833-345834				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345833	PowhegPythia8EvtGen_NNPDF30_AZNLOCTEQ6L1_VBFH125_tautaulm15hp20	7060000	257275	1.0	1.0000E+00	
345834	PowhegPythia8EvtGen_NNPDF30_AZNLOCTEQ6L1_VBFH125_tautaulm15hp20	7060000	251837	1.0	1.0000E+00	
Alternative						
H4l		346447				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346447	PhH7EG_H7UE_NNPDF30_VBFH125_ZZ4lep15hp20	7060000	2500000	3.7483	1.0	1.0000E+00
Htt		600569-600572				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
600569	PhH7EG_VBFH125_tautauh30h20_ShowerSys_fixe8231	2970000	3.7361	1.0	4.7164E-01	
600570	PhH7EG_VBFH125_tautaul1317_ShowerSys_fixe8231	2980000	3.7361	1.0	4.6690E-01	
600571	PhH7EG_VBFH125_tautaulp15hm20_ShowerSys_fixe8231	1190000	3.7362	1.0	1.7563E-01	
600572	PhH7EG_VBFH125_tautaulm15hp20_ShowerSys_fixe8231	1180000	3.7361	1.0	1.7548E-01	
HWW		346877				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346877	PhH7EG_NNPDF30_VBFH125_WW1lv	e8006	1450000	3.7364	1.0	5.0741E-01
Hyy		346878				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff

346878	PhH7EG_H7UE_NNPFD30_VBF125_gammagamma	7029	7000000	3.7486	1.0	1.0000E+00
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VH

Description		DSID range				
Baseline						
H4l		345066,346645-346646,346697-346700,346703-346706 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345066	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	0735790600	142500	0.257429	1.0	1.0000E+00
346645	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	470351142500	142500	0.176150	1.0	1.0000E+00
346646	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	470351142500	570050	0.86184	1.0	1.0000E+00
346697	PhPy8EG_Prophecy_NNPFD30_AZNLO_ZZ4l	784012530000	205004	0.1052017	1.0	1.0000E+00
346698	PhPy8EG_Prophecy_NNPFD30_AZNLO_ZZ4l	784012530000	253000	0.16888	1.0	1.0000E+00
346699	PhPy8EG_Prophecy_NNPFD30_AZNLO_ZZ4l	784012530000	736000	0.171350	1.0	1.0000E+00
346700	PhPy8EG_Prophecy_NNPFD30_AZNLO_ZZ4l	784012530000	736000	0.481460	1.0	1.0000E+00
346703	PhPy8EG_Hto4l_NNPFD30_AZNLO_ZZ4l	784012530000	205000	0.99927	1.0	1.0000E+00
346704	PhPy8EG_Hto4l_NNPFD30_AZNLO_ZZ4l	784012530000	238200	0.99924	1.0	1.0000E+00
346705	PhPy8EG_Hto4l_NNPFD30_AZNLO_ZZ4l	784012530000	680000	0.99909	1.0	1.0000E+00
346706	PhPy8EG_Hto4l_NNPFD30_AZNLO_ZZ4l	784012530000	665000	0.99909	1.0	1.0000E+00
Hbb		345053-345057 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345053	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	570618315000	110446	0.10446	1.0	1.0000E+00
345054	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	570618315000	216342	0.06458	1.0	1.0000E+00
345055	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	570618315000	229791	0.04837	1.0	1.0000E+00
345056	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	570618315000	125192	0.08967	1.0	1.0000E+00
345057	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	570618315000	423500	0.0072284	1.0	1.0000E+00
Hcc		345109-345113 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345109	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	570618315000	498290	0.10549	1.0	1.0000E+00
345110	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	570618315000	910510	0.07857	1.0	1.0000E+00
345111	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	570618315000	1297000	0.076108	1.0	1.0000E+00
345112	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	570618315000	725991	0.15007	1.0	1.0000E+00
345113	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	570618315000	224000	0.0057588	1.0	1.0000E+00
Het		345213-345214,345218 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345213	PowhegPy8EG_NNPFD30_AZNLO_ZZ4l	418081380000	380000	0.13004	1.0	1.0000E+00
345214	PowhegPy8EG_NNPFD30_AZNLO_ZZ4l	418081380000	380000	0.86206	1.0	1.0000E+00
345218	PowhegPy8EG_NNPFD30_AZNLO_ZZ4l	418081380000	760000	0.76094	1.0	1.0000E+00
Hincl		346310-346312 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346310	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	470521450000	450000	0.176102	1.0	1.0000E+00
346311	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	470521450000	240050	0.86164	1.0	1.0000E+00
346312	PowhegPythia8EvtGen_NNPFD30_AZNLO_ZZ4l	470521450000	240050	0.63479	1.0	1.0000E+00
Hinv		345596,346693-346694 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff

345596	PowhegPythia8EvtGen_NNPDF3_AZNLO_ZH125J	6025Z	100000	inc	0.05744	1.0	1.0000E+00
346693	PowhegPythia8EvtGen_NNPDF3_AZNLO_ZH125J	6025Z	100000	INL	0.075153	1.0	1.0000E+00
346694	PowhegPythia8EvtGen_NNPDF3_AZNLO_ZH125J	6025Z	100000	Inv	0.0057586	1.0	1.0000E+00
Hmm		345098,345103-345105					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff	
345098	PowhegPythia8EvtGen_NNPDF3_AZNLO_ZH125J	6025Z	100000	Hmu	0.6821e05	1.0	1.0000E+00
345103	PowhegPythia8EvtGen_NNPDF30_AZNLO_ZH125J	6025Z	100000	mu	0.002167	1.0	1.0000E+00
345104	PowhegPythia8EvtGen_NNPDF30_AZNLO_ZH125J	6025Z	100000	Hn	0.00209321	1.0	1.0000E+00
345105	PowhegPythia8EvtGen_NNPDF30_AZNLO_ZH125J	6025Z	100000	Hn	0.001934	1.0	1.0000E+00
Hmt		345215-345216,345219					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff	
345215	PowhegPy8EG_NNPDF30_AZNLO_Wra	58025J	380000	MIN	0.5301	1.0	1.0000E+00
345216	PowhegPy8EG_NNPDF30_AZNLO_Wra	58025J	380000	MIN	0.6206	1.0	1.0000E+00
345219	PowhegPy8EG_NNPDF30_AZNLO_ZH125J	6025Z	750000	NLO	0.76094	1.0	1.0000E+00
Htt		345211-345212,345217,346324-346326,346329,346909,346912,346915					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff	
345211	PowhegPy8EG_NNPDF30_AZNLO_Wra	58025J	750000	MIN	0.0334	1.0	1.0000E+00
345212	PowhegPy8EG_NNPDF30_AZNLO_Wra	58025J	750000	MIN	0.0526	1.0	1.0000E+00
345217	PowhegPy8EG_NNPDF30_AZNLO_ZH125J	6025Z	1426000	NLO	0.055438	1.0	1.0000E+00
346324	PowhegPy8EG_NNPDF30_AZNLO_Wra	58025J	250000	O	0.17569	1.0	5.0996E-01
346325	PowhegPy8EG_NNPDF30_AZNLO_Wra	58025J	400000	lv	0.02787	1.0	4.8271E-01
346326	PowhegPy8EG_NNPDF30_AZNLO_ZH125J	6025Z	410000	lltau	0.076352	1.0	5.4991E-01
346329	PowhegPy8EG_NNPDF30_AZNLO_gg	75124	216000	filt	0.0057586	1.0	6.4816E-01
346909	PowhegPy8EG_NNPDF30_AZNLO_Wra	82925J	292750	MIN	0.5301	1.0	1.0000E+00
346912	PowhegPy8EG_NNPDF30_AZNLO_Wra	82925J	294000	MIN	0.6206	1.0	1.0000E+00
346915	PowhegPy8EG_NNPDF30_AZNLO_ZH125J	6025Z	588000	NLO	0.76102	1.0	1.0000E+00
HWW		341450,341452,341454,341456,341458,341460,345325-345327,345336-345337,345433,345434					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff	
341450	PowhegPythia8EvtGen_CT10_AZNLO_ZH125J	6025Z	270000	O	0.028166	1.0	4.3738E-01
341452	PowhegPythia8EvtGen_CT10_AZNLO_ZH125J	6025Z	298000	O	0.02660	1.0	4.3694E-01
341454	PowhegPythia8EvtGen_CT10_AZNLO_ZH125J	6025Z	300000	O	0.02599	1.0	4.3717E-01
341456	PowhegPythia8EvtGen_CT10_AZNLO_ZH125J	6025Z	140000	O	0.049674	1.0	4.3807E-01
341458	PowhegPythia8EvtGen_CT10_AZNLO_ZH125J	6025Z	150000	O	0.04980	1.0	4.3750E-01
341460	PowhegPy8EG_CT10_AZNLO_ZH125J	6025Z	100000	vtau	0.05173	1.0	4.3582E-01
345325	PowhegPythia8EvtGen_NNPDF3_AZNLO_ZH125J	6025Z	172550	MIN	0.8621	1.0	1.0000E+00
345326	PowhegPythia8EvtGen_NNPDF3_AZNLO_ZH125J	6025Z	199285	MIN	0.0040	1.0	1.0000E+00
345327	PowhegPythia8EvtGen_NNPDF3_AZNLO_ZH125J	6025Z	742505	MIN	0.0063	1.0	1.0000E+00
345336	PowhegPythia8EvtGen_NNPDF3_AZNLO_ZH125J	6025Z	252600	NL	0.76078	1.0	1.0000E+00
345337	PowhegPythia8EvtGen_NNPDF3_AZNLO_ZH125J	6025Z	589950	NL	0.076093	1.0	1.0000E+00
345433	PowhegPythia8EvtGen_NNPDF3_AZNLO_ZH125J	6025Z	175250	MIN	0.5301	1.0	1.0000E+00
345445	PowhegPythia8EvtGen_NNPDF3_AZNLO_ZH125J	6025Z	100000	INL	0.150	1.0	1.0000E+00
345446	PowhegPythia8EvtGen_NNPDF3_AZNLO_ZH125J	6025Z	180000	MIN	0.0057586	1.0	1.0000E+00
346524	PowhegPythia8EvtGen_NNPDF3_AZNLO_ZH125J	6025Z	100000	MIN	0.05744	1.0	1.0000E+00
346560	PowhegPythia8EvtGen_NNPDF3_AZNLO_ZH125J	6025Z	140352	MIN	0.038468	1.0	4.5406E-01
346561	PowhegPythia8EvtGen_NNPDF3_AZNLO_ZH125J	6025Z	332480	MIN	0.061208	1.0	4.5452E-01
Hyy		345061,345317-345319					

DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345061	PowhegPythia8EvtGen_NNPdf3_AZN165762Z180000Hgan0.9574inc	165762	180000	0.9574	1.0	1.0000E+00
345317	PowhegPythia8EvtGen_NNPdf30_AZN15034W3150000Hy0.540161_MINLO	15034W	3150000	0.540161	1.0	1.0000E+00
345318	PowhegPythia8EvtGen_NNPdf30_AZN15034W3150000Hy0.862171_MINLO	15034W	3150000	0.862171	1.0	1.0000E+00
345319	PowhegPythia8EvtGen_NNPdf30_AZN15042H71251600yy0.760791_MINLO	15042H	71251600	0.760791	1.0	1.0000E+00
HZy 345320-345322,345963-345965 ↗						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345320	PowhegPythia8EvtGen_NNPdf30_AZN15034W600025J_HZ0.5399incl_MINLO	15034W	600025J	0.5399	1.0	1.0000E+00
345321	PowhegPythia8EvtGen_NNPdf30_AZN15034W600025J_HZ0.861821_MINLO	15034W	600025J	0.861821	1.0	1.0000E+00
345322	PowhegPythia8EvtGen_NNPdf30_AZN15042H1125000HZy0.760791_MINLO	15042H	1125000	0.760791	1.0	1.0000E+00
345963	PowhegPythia8EvtGen_NNPdf30_AZN16040W140025J_Hg0.036674am_MINLO	16040W	140025J	0.036674	1.0	1.0000E+00
345964	PowhegPythia8EvtGen_NNPdf30_AZN16040W140025J_Hg0.043293am_MINLO	16040W	140025J	0.043293	1.0	1.0000E+00
345965	PowhegPythia8EvtGen_NNPdf30_AZN16042H125000Hgan0.037771_MINLO	16042H	125000	0.037771	1.0	1.0000E+00
Alternative						
H41 346448-346451 ↗						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346448	PhH7EG_H7UE_NNPdf30_ZH125J_Zinc0.7609	167201	500000	0.7609	1.0	1.0000E+00
346449	PhH7EG_H7UE_NNPdf30_WpH125J0.86217	167201	500000	0.86217	1.0	1.0000E+00
346450	PhH7EG_H7UE_NNPdf30_WmH125J0.54004	167201	500000	0.54004	1.0	1.0000E+00
346451	PhH7EG_H7UE_NNPdf30_ggZH125_Zinc0.057435	167201	500000	0.057435	1.0	1.0000E+00
Hbb 346395-346400 ↗						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346395	PowhegHerwig7EvtGen_NNPdf3_AZN17055W11482500M0N17354bb_VpT	17055W	11482500	0.0017354	1.0	1.0000E+00
346396	PowhegHerwig7EvtGen_NNPdf3_AZN17055W11482500M1N20865bb_VpT	17055W	11482500	0.0020865	1.0	1.0000E+00
346397	PowhegHerwig7EvtGen_NNPdf3_AZN17055W11482500M1N0076113VpT	17055W	11482500	0.00076113	1.0	1.0000E+00
346398	PowhegHerwig7EvtGen_NNPdf3_AZN17055W11482500M1N005025b_VpT	17055W	11482500	0.0005025	1.0	1.0000E+00
346399	PowhegHerwig7EvtGen_NNPdf3_AZN17055g394025J0llb0.0057586	17055g	394025J	0.0057586	1.0	1.0000E+00
346400	PowhegHerwig7EvtGen_NNPdf3_AZN17055g296025J0vvt0.011379	17055g	296025J	0.011379	1.0	1.0000E+00
Hcc 346723-346728 ↗						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346723	PowhegHerwig7EvtGen_NNPdf3_AZN1802W366025M0N17351vcc_VpT	1802W	366025M	0.0017351	1.0	1.0000E+00
346724	PowhegHerwig7EvtGen_NNPdf3_AZN1802W3661250M1N20849cc_VpT	1802W	3661250M	0.0020849	1.0	1.0000E+00
346725	PowhegHerwig7EvtGen_NNPdf3_AZN1802ZH4985000M1N0076178VpT	1802ZH	4985000	0.00076178	1.0	1.0000E+00
346726	PowhegHerwig7EvtGen_NNPdf3_AZN1802ZH366000M1N00503cc_VpT	1802ZH	366000M	0.000503	1.0	1.0000E+00
346727	PowhegHerwig7EvtGen_NNPdf3_AZN18046g2065000llcc0.0057592	18046g	2065000	0.0057592	1.0	1.0000E+00
346728	PowhegHerwig7EvtGen_NNPdf3_AZN18046g2065000vvt0.01138	18046g	2065000	0.01138	1.0	1.0000E+00
Htt 600573-600575 ↗						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
600573	PhH7EG_WmH125J_Winc_MINLO_tt0.54011	18033dr	520000	0.54011	1.0	1.0000E+00
600574	PhH7EG_WpH125J_Winc_MINLO_tt0.8617	18033dr	520000	0.8617	1.0	1.0000E+00
600575	PhH7EG_ZH125J_Zinc_MINLO_tautau0.76086	18033dr	520000	0.76086	1.0	1.0000E+00
Hyy 346879-346882,500553 ↗						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346879	PhH7EG_H7UE_NNPdf30_ZH125J_Zinc0.76092a	179291	500000	0.76092a	1.0	1.0000E+00

346880	PhH7EG_H7UE_NNPdf30_WmH125J_ggZH125	e79229	600000	0.54013	1.0	1.0000E+00
346881	PhH7EG_H7UE_NNPdf30_WpH125J_ggZH125	e79229	600000	0.86182	1.0	1.0000E+00
346882	PhH7EG_H7UE_NNPdf30_ggZH125	e79229	600000	0.057433	1.0	1.0000E+00
500553	aMCPy8EG_ZH_FxFx_Hyy	e8222	0	0.23308	1.0	1.0000E+00

Systematic

Hbb 345785-345788,345791-345794,345797-345800,345803-345806,345809-345812,345815-34

DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345785	PhPy8EG_NNPdf3_AZNLO_MPIDown_VpT	64371	3999800	0.07545	1.0	1.0000E+00
345786	PhPy8EG_NNPdf3_AZNLO_MPIDown_VpT	64371	3999800	0.27868	1.0	1.0000E+00
345787	PhPy8EG_NNPdf3_AZNLO_MPIDown_VpT	64371	3999800	0.056097	1.0	1.0000E+00
345788	PhPy8EG_NNPdf3_AZNLO_MPIDown_VpT	64371	3999800	0.15021	1.0	1.0000E+00
345791	PhPy8EG_NNPdf3_AZNLO_MPIUp_VpT	64372	3999850	0.15545	1.0	1.0000E+00
345792	PhPy8EG_NNPdf3_AZNLO_MPIUp_VpT	64372	3999850	0.25868	1.0	1.0000E+00
345793	PhPy8EG_NNPdf3_AZNLO_MPIUp_VpT	64372	3999850	0.076097	1.0	1.0000E+00
345794	PhPy8EG_NNPdf3_AZNLO_MPIUp_VpT	64372	3999850	0.15021	1.0	1.0000E+00
345797	PhPy8EG_NNPdf3_AZNLO_RenDown_VpT	64371	3999850	0.07545	1.0	1.0000E+00
345798	PhPy8EG_NNPdf3_AZNLO_RenDown_VpT	64371	3999850	0.27868	1.0	1.0000E+00
345799	PhPy8EG_NNPdf3_AZNLO_RenDown_VpT	64372	3999850	0.056097	1.0	1.0000E+00
345800	PhPy8EG_NNPdf3_AZNLO_RenDown_VpT	64372	3999850	0.15021	1.0	1.0000E+00
345803	PhPy8EG_NNPdf3_AZNLO_RenUp_VpT	64372	3999850	0.15545	1.0	1.0000E+00
345804	PhPy8EG_NNPdf3_AZNLO_RenUp_VpT	64372	3999850	0.25868	1.0	1.0000E+00
345805	PhPy8EG_NNPdf3_AZNLO_RenUp_VpT	64372	3999850	0.076097	1.0	1.0000E+00
345806	PhPy8EG_NNPdf3_AZNLO_RenUp_VpT	64372	3999850	0.15021	1.0	1.0000E+00
345809	PhPy8EG_NNPdf3_AZNLO_Var1Down_VpT	64371	3999800	0.07545	1.0	1.0000E+00
345810	PhPy8EG_NNPdf3_AZNLO_Var1Down_VpT	64371	3999800	0.27868	1.0	1.0000E+00
345811	PhPy8EG_NNPdf3_AZNLO_Var1Down_VpT	64371	3999800	0.056097	1.0	1.0000E+00
345812	PhPy8EG_NNPdf3_AZNLO_Var1Down_VpT	64371	3999800	0.15021	1.0	1.0000E+00
345815	PhPy8EG_NNPdf3_AZNLO_Var1Up_VpT	64371	3999850	0.15545	1.0	1.0000E+00
345816	PhPy8EG_NNPdf3_AZNLO_Var1Up_VpT	64371	3999850	0.25868	1.0	1.0000E+00
345817	PhPy8EG_NNPdf3_AZNLO_Var1Up_VpT	64371	3999850	0.076097	1.0	1.0000E+00
345818	PhPy8EG_NNPdf3_AZNLO_Var1Up_VpT	64371	3999850	0.15021	1.0	1.0000E+00
345821	PhPy8EG_NNPdf3_AZNLO_Var2Down_VpT	64371	3999850	0.07545	1.0	1.0000E+00
345822	PhPy8EG_NNPdf3_AZNLO_Var2Down_VpT	64371	3999850	0.27868	1.0	1.0000E+00
345823	PhPy8EG_NNPdf3_AZNLO_Var2Down_VpT	64371	3999850	0.056097	1.0	1.0000E+00
345824	PhPy8EG_NNPdf3_AZNLO_Var2Down_VpT	64371	3999850	0.15021	1.0	1.0000E+00
345827	PhPy8EG_NNPdf3_AZNLO_Var2Up_VpT	64371	3999850	0.15545	1.0	1.0000E+00
345828	PhPy8EG_NNPdf3_AZNLO_Var2Up_VpT	64371	3999850	0.25868	1.0	1.0000E+00
345829	PhPy8EG_NNPdf3_AZNLO_Var2Up_VpT	64371	3999850	0.076097	1.0	1.0000E+00
345830	PhPy8EG_NNPdf3_AZNLO_Var2Up_VpT	64371	3999850	0.15021	1.0	1.0000E+00

Hyy 500554-500555

DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
500554	aMCPy8EG_WH_FxFx_Hyy	e8222	0	0.47407	1.0	1.0000E+00
500555	aMCPy8EG_ggZH_Hyy	e8222	0	0.015865	1.0	1.0000E+00

Dijet

Description	DSID range
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Baseline						
Pythia8_dijet		364700-364712				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364700	Pythia8EvtGen_A14NNPDF23LO_jetjet	7172146165000	78050000000.0	1.0	9.7533E-01	
364701	Pythia8EvtGen_A14NNPDF23LO_jetjet	7172166118000	78050000000.0	1.0	2.4425E-02	
364702	Pythia8EvtGen_A14NNPDF23LO_jetjet	7172106080000	2433000000.0	1.0	9.8631E-03	
364703	Pythia8EvtGen_A14NNPDF23LO_jetjet	7172149219000	26450000.0	1.0	1.1658E-02	
364704	Pythia8EvtGen_A14NNPDF23LO_jetjet	7172148219000	254610.0	1.0	1.3366E-02	
364705	Pythia8EvtGen_A14NNPDF23LO_jetjet	7172187199000	4552.9	1.0	1.4526E-02	
364706	Pythia8EvtGen_A14NNPDF23LO_jetjet	7172131199000	257.54	1.0	9.4734E-03	
364707	Pythia8EvtGen_A14NNPDF23LO_jetjet	7172159090000	16.215	1.0	1.1099E-02	
364708	Pythia8EvtGen_A14NNPDF23LO_jetjet	7172159090000	0.62506	1.0	1.0156E-02	
364709	Pythia8EvtGen_A14NNPDF23LO_jetjet	7172171060000	0.019639	1.0	1.2057E-02	
364710	Pythia8EvtGen_A14NNPDF23LO_jetjet	7172109606000	0.0011962	1.0	5.8940E-03	
364711	Pythia8EvtGen_A14NNPDF23LO_jetjet	7172119606000	4.2263e-05	1.0	2.6734E-03	
364712	Pythia8EvtGen_A14NNPDF23LO_jetjet	7172129509000	1.0367e-06	1.0	4.2898E-04	
Alternative						
Herwig7_dijet_angular		364922-364929				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364922	H7EG_Matchbox_angular_jetjetNLO	6748211960000	3465700000.0	1.0	5.2691E-03	
364923	H7EG_Matchbox_angular_jetjetNLO	67482139120000	37009000.0	1.0	6.0371E-03	
364924	H7EG_Matchbox_angular_jetjetNLO	67482158785000	353640.0	1.0	7.3993E-03	
364925	H7EG_Matchbox_angular_jetjetNLO	67482158790000	6033.8	1.0	8.4098E-03	
364926	H7EG_Matchbox_angular_jetjetNLO	6748211960000	322.48	1.0	5.7036E-03	
364927	H7EG_Matchbox_angular_jetjetNLO	67482178330000	19.15	1.0	7.0481E-03	
364928	H7EG_Matchbox_angular_jetjetNLO	6748213920000	0.70007	1.0	6.7365E-03	
364929	H7EG_Matchbox_angular_jetjetNLO	67482139160000	0.021245	1.0	8.1683E-03	
Herwig7_dijet_dipole		364902-364909				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364902	H7EG_Matchbox_dipole_jetjetNLO	67482158795000	3396100000.0	1.0	4.4714E-03	
364903	H7EG_Matchbox_dipole_jetjetNLO	67482139195000	36974000.0	1.0	5.5708E-03	
364904	H7EG_Matchbox_dipole_jetjetNLO	67482158795000	353410.0	1.0	6.9756E-03	
364905	H7EG_Matchbox_dipole_jetjetNLO	67482158790000	6033.7	1.0	7.9811E-03	
364906	H7EG_Matchbox_dipole_jetjetNLO	67482158795000	322.49	1.0	5.4878E-03	
364907	H7EG_Matchbox_dipole_jetjetNLO	67482178340000	19.16	1.0	6.8288E-03	
364908	H7EG_Matchbox_dipole_jetjetNLO	6748213920000	0.70035	1.0	6.6413E-03	
364909	H7EG_Matchbox_dipole_jetjetNLO	6748213920000	0.021235	1.0	8.2273E-03	
MGPy8EG_multijet		364621-364632				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364621	MGPy8EG_NNPdf30nlo_multijet_CK	4649512000000	169240000.0	1.0	1.0000E+00	
364622	MGPy8EG_NNPdf30nlo_multijet_CK	4649512000200	14378000.0	1.0	1.0000E+00	
364623	MGPy8EG_NNPdf30nlo_multijet_CK	4649512000300	939240.0	1.0	1.0000E+00	
364624	MGPy8EG_NNPdf30nlo_multijet_CK	4649512000400	235740.0	1.0	1.0000E+00	
364625	MGPy8EG_NNPdf30nlo_multijet_CK	4649512000500	23190.0	1.0	1.0000E+00	
364626	MGPy8EG_NNPdf30nlo_multijet_CK	4649512000600	4790.6	1.0	1.0000E+00	
364627	MGPy8EG_NNPdf30nlo_multijet_CK	4649512000700	786.21	1.0	1.0000E+00	

364628	MGPy8EG_NNPDF30nlo_multijet_CK649512000800	649512000800	70.803	1.0	1.0000E+00	
364629	MGPy8EG_NNPDF30nlo_multijet_CK649512000900	649512000900	13.385	1.0	1.0000E+00	
364630	MGPy8EG_NNPDF30nlo_multijet_CK649512000000	649512000000	0.053918	1.0	1.0000E+00	
364631	MGPy8EG_NNPDF30nlo_multijet_CK649512000000	649512000000	0.00046095	1.0	1.0000E+00	
364632	MGPy8EG_NNPDF30nlo_multijet_CK649512000000	649512000000	3.1287e-06	1.0	1.0000E+00	
PH7_dijet		600957-600964				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
600957	PhH7EG_jj_JZ1	e7954	45400000	6662200000.0	1.0	5.8248E-01
600958	PhH7EG_jj_JZ2	e7954	149990000	170660000.0	1.0	9.1764E-02
600959	PhH7EG_jj_JZ3	e7954	128480000	1858900000.0	1.0	1.2682E-04
600960	PhH7EG_jj_JZ4	e7954	274940000	170720000.0	1.0	1.4653E-05
600961	PhH7EG_jj_JZ5	e7954	87970000	5179000.0	1.0	9.1731E-06
600962	PhH7EG_jj_JZ6	e7954	65135000	277340.0	1.0	6.1903E-06
600963	PhH7EG_jj_JZ7	e7954	20800000	26526.0	1.0	4.7585E-06
600964	PhH7EG_jj_JZ8incl	e7954	14950000	76.878	1.0	5.9611E-05
PowhegPythia		800600-800601				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
800600	Py8EG_A14_NNPDF23LO_jetjet_JZ4	8185161095000	38185161095000	254630.0	1.0	1.1236E-03
800601	Py8EG_A14_NNPDF23LO_jetjet_JZ5	8185161095000	38185161095000	4553.5	1.0	1.6969E-03
PP8_dijet		600624-600631				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
600624	PhPy8EG_jj_JZ1	e8351	45570000	NOT FOUND	NOT FOUND	NOT FOUND
600625	PhPy8EG_jj_JZ2	e8351	209480000	45985000000.0	1.0	3.6883E-04
600626	PhPy8EG_jj_JZ3	e8351	190490000	1842200000.0	1.0	1.3383E-04
600627	PhPy8EG_jj_JZ4	e8351	470840000	188820000.0	1.0	1.6146E-05
600628	PhPy8EG_jj_JZ5	e8351	141040000	5161500.0	1.0	1.0020E-05
600629	PhPy8EG_jj_JZ6	e8351	64985000	277940.0	1.0	6.7286E-06
600630	PhPy8EG_jj_JZ7	e8351	33900000	26523.0	1.0	5.1581E-06
600631	PhPy8EG_jj_JZ8incl	e8351	14899000	76.878	1.0	6.4484E-05
Sherpa_225_dijet_cluster		364677-364685				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364677	Sherpa_CT10_CT14nnlo_CSShower_2662291072001	662291072001	1072001	21406000000.0	1.0	1.4419E-03
364678	Sherpa_CT10_CT14nnlo_CSShower_2662291072000	662291072000	1072000	89315000.0	1.0	5.1182E-03
364679	Sherpa_CT10_CT14nnlo_CSShower_26622914231000	6622914231000	14231000	9275100.0	1.0	5.6541E-04
364680	Sherpa_CT10_CT14nnlo_CSShower_26622914231000	6622914231000	14231000	55101.0	1.0	1.4974E-03
364681	Sherpa_CT10_CT14nnlo_CSShower_26622915260000	6622915260000	15260000	1631.5	1.0	2.4211E-02
364682	Sherpa_CT10_CT14nnlo_CSShower_26622914299600	6622914299600	14299600	128.42	1.0	1.0823E-02
364683	Sherpa_CT10_CT14nnlo_CSShower_26622914299600	6622914299600	14299600	27.212	1.0	3.6186E-03
364684	Sherpa_CT10_CT14nnlo_CSShower_26622915280000	6622915280000	15280000	0.20582	1.0	1.5963E-02
364685	Sherpa_CT10_CT14nnlo_CSShower_26622914299600	6622914299600	14299600	0.035684	1.0	3.3036E-03
Sherpa_225_dijet_string		364686-364694				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364686	Sherpa_CT10_CT14nnlo_CSShower_2662291072001	662291072001	1072001	21406000000.0	1.0	1.4129E-03
364687	Sherpa_CT10_CT14nnlo_CSShower_2662291072000	662291072000	1072000	89314000.0	1.0	5.1181E-03
364688	Sherpa_CT10_CT14nnlo_CSShower_26622914231000	6622914231000	14231000	9275000.0	1.0	5.6410E-04

364689	Sherpa_CT10_CT14nnlo_CSShower_Lea66221621000007455	101.0	1.0	1.4985E-03
364690	Sherpa_CT10_CT14nnlo_CSShower_Lea662216210000075	1631.2	1.0	2.4259E-02
364691	Sherpa_CT10_CT14nnlo_CSShower_Lea662216210000076	128.41	1.0	1.0844E-02
364692	Sherpa_CT10_CT14nnlo_CSShower_Lea662216210000077	27.211	1.0	3.6264E-03
364693	Sherpa_CT10_CT14nnlo_CSShower_Lea662216210000078	0.20584	1.0	1.6003E-02
364694	Sherpa_CT10_CT14nnlo_CSShower_Lea662216210000079	0.035683	1.0	3.3126E-03

Description		DSID range				
Baseline						
Sherpa224		364350-364354				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364350	Sherpa_224_NNPDF30NNLO_Diphoton_mye708158920000			93.499	1.0	1.0000E+00
364351	Sherpa_224_NNPDF30NNLO_Diphoton_mye6452361790000			139.04	1.0	1.0000E+00
364352	Sherpa_224_NNPDF30NNLO_Diphoton_mye64521027344000			51.822	1.0	1.0000E+00
364353	Sherpa_224_NNPDF30NNLO_Diphoton_mye7081532280000			10.999	1.0	1.0000E+00
364354	Sherpa_224_NNPDF30NNLO_Diphoton_mye708140000000MS			0.00070335	1.0	1.0000E+00

Description		DSID range				
Baseline						
Sherpa222		364541-364547				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364541	Sherpa_222_NNPDF30NNLO_SinglePhoton_pe67883584000			415480.0	1.0	1.0000E+00
364542	Sherpa_222_NNPDF30NNLO_SinglePhoton_pe678834977000			43976.0	1.0	1.0000E+00
364543	Sherpa_222_NNPDF30NNLO_SinglePhoton_pe593843017000			4526.3	1.0	1.0000E+00
364544	Sherpa_222_NNPDF30NNLO_SinglePhoton_pe593804280200			376.03	1.0	1.0000E+00
364545	Sherpa_222_NNPDF30NNLO_SinglePhoton_pe5938012065400			21.864	1.0	1.0000E+00
364546	Sherpa_222_NNPDF30NNLO_SinglePhoton_pe593808320000			1.4637	1.0	1.0000E+00
364547	Sherpa_222_NNPDF30NNLO_SinglePhoton_pe60680013802010			0.029867	1.0	1.0000E+00

Description		DSID range				
Baseline						
Pythia8_gamma_direct		800658-800671				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
800658	Py8_gammajet_direct_DP8_17_ordered	e8279	88810000	13480000.0	1.0	9.0170E-02
800659	Py8_gammajet_direct_DP17_35_ordered	e8279	86670000	2024200.0	1.0	8.1025E-02
800660	Py8_gammajet_direct_DP35_50_ordered	e8279	86660000	254650.0	1.0	5.7027E-02
800661	Py8_gammajet_direct_DP50_70_ordered	e8279	88810000	84327.0	1.0	5.4752E-02
800662	Py8_gammajet_direct_DP70_140_ordered	e8279	87050000	28397.0	1.0	7.2863E-02
800663	Py8_gammajet_direct_DP140_280_ordered	e8279	88230000	2625.5	1.0	7.0598E-02
800664	Py8_gammajet_direct_DP280_500_ordered	e8279	8230000	198.39	1.0	6.0383E-02
800665	Py8_gammajet_direct_DP500_800_ordered	e8279	8230000	18.846	1.0	4.4596E-02
800666	Py8_gammajet_direct_DP800_1000_ordered	e8279	1030000	2.3312	1.0	2.4134E-02
800667	Py8_gammajet_direct_DP1000_1500_ordered	e8279	1030000	0.79945	1.0	2.3667E-02
800668	Py8_gammajet_direct_DP1500_2000_ordered	e8279	1030000	0.055512	1.0	1.9632E-02
800669	Py8_gammajet_direct_DP2000_2500_ordered	e8279	400000	0.0052354	1.0	1.6637E-02
800670	Py8_gammajet_direct_DP2500_3000_ordered	e8279	400000	0.00052733	1.0	1.4446E-02

800671	Py8_gammajet_direct_DP3000_inf_ordered	e8279	400000	4.8856e-05	1.0	1.4371E-02
Pythia8_gamma_frag		800672-800683 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
800672	Py8_gammajet_frag_DP8_17_ordered	e8279	11999800	1.7233e+11	1.0	2.4405E-05
800673	Py8_gammajet_frag_DP17_35_ordered	e8279	11999400	16713000000.0	1.0	1.8148E-05
800674	Py8_gammajet_frag_DP35_50_ordered	e8279	11999450	1396300000.0	1.0	1.4053E-05
800675	Py8_gammajet_frag_DP50_70_ordered	e8279	12959500	379450000.0	1.0	1.4218E-05
800676	Py8_gammajet_frag_DP70_140_ordered	e8279	23999100	106180000.0	1.0	1.9276E-05
800677	Py8_gammajet_frag_DP140_280_ordered	e8279	31999600	6702000.0	1.0	2.0947E-05
800678	Py8_gammajet_frag_DP280_500_ordered	e8279	11999200	344070.0	1.0	2.0507E-05
800679	Py8_gammajet_frag_DP500_800_ordered	e8279	4000000	23711.0	1.0	1.6990E-05
800680	Py8_gammajet_frag_DP800_1000_ordered	e8279	799950	2284.6	1.0	1.0123E-05
800681	Py8_gammajet_frag_DP1000_1500_ordered	e8279	800000	701.19	1.0	1.0083E-05
800682	Py8_gammajet_frag_DP1500_2000_ordered	e8279	800000	70.084	1.0	5.0294E-06
800683	Py8_gammajet_frag_DP2000_inf_ordered	e8279	789920	11.548	1.0	2.4453E-06
Alternative						
H7EG_gammajet		830043-830062 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
830043	H7EG_gammajet_MMHT2014lo_DP17_25_direct	e8329	13000000	774480.0	1.0	1.3170E-01
830044	H7EG_gammajet_MMHT2014lo_DP25_35_direct	e8329	13000000	339370.0	1.0	9.1126E-02
830045	H7EG_gammajet_MMHT2014lo_DP35_70_direct	e8329	13000000	78440.0	1.0	1.9080E-01
830046	H7EG_gammajet_MMHT2014lo_DP70_140_direct	e8329	13000000	9398.6	1.0	1.6827E-01
830047	H7EG_gammajet_MMHT2014lo_DP140_280_direct	e8329	13000000	928.98	1.0	1.4860E-01
830048	H7EG_gammajet_MMHT2014lo_DP280_500_direct	e8329	13000000	71.636	1.0	1.2261E-01
830049	H7EG_gammajet_MMHT2014lo_DP500_1000_direct	e8329	13000000	6.4459	1.0	1.0048E-01
830050	H7EG_gammajet_MMHT2014lo_DP1000_1500_direct	e8329	13000000	0.235	1.0	5.6148E-02
830051	H7EG_gammajet_MMHT2014lo_DP1500_2000_direct	e8329	13000000	0.024108	1.0	3.0130E-02
830052	H7EG_gammajet_MMHT2014lo_DP2000_inf_direct	e8329	1400000	0.0037104	1.0	1.6194E-02
830053	H7EG_gammajet_MMHT2014lo_DP17_25_frag	e8329	1389330	10339000000.0	1.0	1.1009E-05
830054	H7EG_gammajet_MMHT2014lo_DP25_35_frag	e8329	1197500	3128100000.0	1.0	9.3754E-06
830055	H7EG_gammajet_MMHT2014lo_DP35_70_frag	e8329	1399750	505000000.0	1.0	2.4686E-05
830056	H7EG_gammajet_MMHT2014lo_DP70_140_frag	e8329	3499220	37100000.0	1.0	2.9720E-05
830057	H7EG_gammajet_MMHT2014lo_DP140_280_frag	e8329	3489460	2226500.0	1.0	3.5880E-05
830058	H7EG_gammajet_MMHT2014lo_DP280_500_frag	e8329	3499440	106740.0	1.0	3.9023E-05
830059	H7EG_gammajet_MMHT2014lo_DP500_1000_frag	e8329	1399600	6795.1	1.0	3.7672E-05
830060	H7EG_gammajet_MMHT2014lo_DP1000_1500_frag	e8329	699910	173.46	1.0	2.4345E-05
830061	H7EG_gammajet_MMHT2014lo_DP1500_2000_frag	e8329	699820	15.191	1.0	1.3751E-05
830062	H7EG_gammajet_MMHT2014lo_DP2000_inf_frag	e8329	359920	2.1914	1.0	7.5278E-06

Triphoton

Description	DSID range					
Baseline						
Sherpa228	700007 ↗					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
700007	Sh_228_yyy_01NLO	e7999	260000	0.35527	1.0	1.0000E+00

Top

Description		DSID range				
Baseline						
aMcAtNloPythia-tHjb		346229-346234				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346229	aMcAtNloPythia8EvtGen_tHjb125_4fl	e7318	1180000	0.060377	1.0	1.0000E+00
346230	aMcAtNloPythia8EvtGen_tHjb125_4fl	e7318	1180000	0.060372	1.0	1.0000E+00
346231	aMcAtNloPythia8EvtGen_tHjb125_4fl	e7318	1180000	0.71016	1.0	1.0000E+00
346232	aMcAtNloPythia8EvtGen_tHjb125_4fl	e7318	1180000	0.71013	1.0	1.0000E+00
346233	aMcAtNloPythia8EvtGen_tHjb125_4fl	e7318	2180000	0.24153	1.0	1.0000E+00
346234	aMcAtNloPythia8EvtGen_tHjb125_4fl	e7318	2180000	0.24154	1.0	1.0000E+00
aMcAtNloPythia-ttll_mll_1_5		410276				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410276	aMcAtNloPythia8EvtGen_MEN30NLO	e6087	2510000	0.01823_5	1.12	1.0000E+00
aMcAtNloPythia-ttll_mll_1_6		410277				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410277	aMcAtNloPythia8EvtGen_MEN30NLO	e6087	2510000	0.018224_1_5	1.12	1.0000E+00
aMcAtNloPythia-ttll_mll_1_7		410278				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410278	aMcAtNloPythia8EvtGen_MEN30NLO	e6087	2310000	0.019166_5	1.12	1.0000E+00
aMcAtNloPythia-ttt		304014				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
304014	MadGraphPythia8EvtGen_A14NNPDF2311b	e34324	600000	0.0016396	1.0	1.0000E+00
aMcAtNloPythia-ttV		410081,410155-410157,410218-410220				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410081	MadGraphPythia8EvtGen_A14NNPDF2311b	e34324	150000	0.0080952	1.22342593851	1.0000E+00
410155	aMcAtNloPythia8EvtGen_MEN30NLO	e5070	2000000	0.54822	1.096	1.0000E+00
410156	aMcAtNloPythia8EvtGen_MEN30NLO	e5070	3495000	0.5604	1.11	1.0000E+00
410157	aMcAtNloPythia8EvtGen_MEN30NLO	e5070	2600000	0.52821	1.11	1.0000E+00
410218	aMcAtNloPythia8EvtGen_MEN30NLO	e5070	2915000	0.036864	1.12	1.0000E+00
410219	aMcAtNloPythia8EvtGen_MEN30NLO	e5070	2915000	0.036868	1.12	1.0000E+00
410220	aMcAtNloPythia8EvtGen_MEN30NLO	e5070	2795000	0.036555	1.12	1.0000E+00
aMcAtNloPythia-ttVV		410408				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410408	aMcAtNloPythia8EvtGen_tWZ_Ztoll_m	e6023	380000	0.016071	1.0	1.0000E+00
MadGraphPythia-tttt		412043-412044,500326				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
412043	aMcAtNloPythia8EvtGen_A14NNPDF31	e7102	416625000	0.01068	1.1267	1.0000E+00
412044	aMcAtNloHerwig7EvtGen_H7UE_SM4	e7102	10635000	0.010693	1.1183	1.0000E+00
500326	MGPY8EG_A14NNPDF31_SM4topsLO	e8093	15430000	0.0068236	1.0	1.0000E+00
MadGraphPythia-tty		410389				

DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410389	MadGraphPythia8EvtGen_A14NNPDF23_NNPDF30ME7t1H8	e61653	39115000	4.16243	1.16	1.0000E+00
MadGraphPythia-tZ_tchan_4FS 410560						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410560	MadGraphPythia8EvtGen_A14_tZ_4fl_e5803	e5803	3320000	0.24041	1.0	1.0000E+00
PowhegPythia-ttH 346343-346345						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
346343	PhPy8EG_A14NNPDF23_NNPDF30ME7t1H8	e7148	29770000	0.23844	1.0	1.0000E+00
346344	PhPy8EG_A14NNPDF23_NNPDF30ME7t1H8	e7148	29800000	0.52458	1.0	4.3842E-01
346345	PhPy8EG_A14NNPDF23_NNPDF30ME7t1H8	e7148	29800000	0.054667	1.0	1.0000E+00
Alternative						
Sherpa228-ttV 700000						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
700000	Sh_228_ttW	e7793	31500000	0.59052	1.0	1.0000E+00

Description	DSID range					
Baseline						
PowhegPythia 410644-410649,410658-410659						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410644	PowhegPythia8EvtGen_A14_singletop_schan_top	e527	7830000	2.027	1.0170	1.0000E+00
410645	PowhegPythia8EvtGen_A14_singletop_schan_top	e527	7830000	1.2674	1.0167	1.0000E+00
410646	PowhegPythia8EvtGen_A14_Wt_DR_inclusive_top	e6552	39100000	37.935	0.9450	1.0000E+00
410647	PowhegPythia8EvtGen_A14_Wt_DR_inclusive_top	e6552	39100000	37.905	0.9457	1.0000E+00
410648	PowhegPythia8EvtGen_A14_Wt_DR_dilepton_top	e6615	3910000	3.997	0.9451	1.0000E+00
410649	PowhegPythia8EvtGen_A14_Wt_DR_dilepton_top	e6615	3905000	3.9939	0.9458	1.0000E+00
410658	PhPy8EG_A14_tchan_BW50_lept_top	e6671	106219500	36.996	1.1935	1.0000E+00
410659	PhPy8EG_A14_tchan_BW50_lept_antitop	e6671	106232500	22.173	1.1849	1.0000E+00
Systematic						
aMCAtNLOPythia8 412002-412005						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
412002	aMcAtNloPythia8EvtGen_HThalfscale_tW_incl_top	e6817	34920000	73.857	0.9711	1.0000E+00
412003	aMcAtNloPythia8EvtGen_HThalfscale_tW_dilepton_top	e6817	6990000	7.9059	0.9559	1.0000E+00
412004	aMcAtNloPy8EG_tchan_NLO	e6888	39025000	64.541	1.0	1.0000E+00
412005	aMcAtNloPythia8EvtGen_A14_singletop_schan_top	e6857	23835000	3.3336	1.0	1.0000E+00
PowhegHerwig 600017-600020						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
600017	PhH7EG_H7UE_716_tchan_lept_antitop	e7954	19600000	22.194	1.0	1.0000E+00
600018	PhH7EG_H7UE_716_tchan_lept_top	e7954	19590000	37.019	1.0	1.0000E+00
600019	PhH7EG_H7UE_716_schan_lept_antitop	e7954	7820000	1.2687	1.0	1.0000E+00
600020	PhH7EG_H7UE_716_schan_lept_top	e7954	7820000	2.0279	1.0	1.0000E+00
PowhegPythia Wt (DS) 410654-410657						
DSID	Description	etag	nEvents		k-factor	filtEff

				crossSection [pb]		
410654	PowhegPythia8EvtGen_A14_Wt_DS_inclusive	6552185	88525000	36.785	0.9711	1.0000E+00
410655	PowhegPythia8EvtGen_A14_Wt_DS_inclusive	6552185	88500000	37.536	0.9523	1.0000E+00
410656	PowhegPythia8EvtGen_A14_Wt_DS_dilepton	661581	8190000	3.8751	0.9704	1.0000E+00
410657	PowhegPythia8EvtGen_A14_Wt_DS_dilepton	661581	8110000	3.9586	0.9493	1.0000E+00

TTbar

Description		DSID range				
Baseline						
HeavyFlavour		411079-411081 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
411079	PhPy8EG_A14_ttbar_hdamp258p75_ad	11708	9411000	729.77	1.1398	9.6073E-03
411080	PhPy8EG_A14_ttbar_hdamp258p75_ad	11708	9410000	729.77	1.1398	5.0292E-02
411081	PhPy8EG_A14_ttbar_hdamp258p75_ad	11708	9415000	729.77	1.1398	4.2409E-02
PowhegPythia		410470-410472 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410470	PhPy8EG_A14_ttbar_hdamp258p75_re	6337	709060000	729.77	1.13975636159	5.4380E-01
410471	PhPy8EG_A14_ttbar_hdamp258p75_ad	6337	271360000	729.77	1.13974074379	4.5623E-01
410472	PhPy8EG_A14_ttbar_hdamp258p75_ad	6348	554162000	729.77	1.13975636159	1.0537E-01
Alternative						
aMCAtNLOPythia8		407351-407353 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
407351	aMcAtNloPy8EG_MEN30NLO_A14MET	2380	56981000	700.390_nonA	1.0	7.3957E-03
407352	aMcAtNloPy8EG_MEN30NLO_A14MET	2380	11190000	700.400_nonA	1.0	9.8701E-04
407353	aMcAtNloPythia8EvtGen_MEN30NLO	6884	728000	711MET400_nonA	1.0	2.6211E-04
HeavyFlavour		410281-410283 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410281	Sherpa_221_NNPDF30NNLO_ttbar_S	5984	4906500	758.78LO_bfil	1.0	8.3098E-02
410282	Sherpa_221_NNPDF30NNLO_ttbar_S	5984	4907000	758.88LO_bfil	1.0	8.3155E-02
410283	Sherpa_221_NNPDF30NNLO_ttbar_c	5986	4906000	762.29fil	1.0	8.0943E-02
PowhegPythia		345935,407342-407347,411073-411078,411391 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345935	PhPy8EG_A14_ttbarMET100_200_hd	6622	8357000	729.77	1.13975636159	9.5214E-02
407342	PhPy8EG_A14_ttbarHT1k5_hdamp25	6754	39481600	729.77	1.13975636159	6.1260E-04
407343	PhPy8EG_A14_ttbarHT1k_1k5_hdamp	6789	224663150	729.77	1.13975636159	3.5569E-03
407344	PhPy8EG_A14_ttbarHT6c_1k_hdamp	6757	79585000	729.76	1.13975636159	2.5682E-02
407345	PhPy8EG_A14_ttbarMET200_300_hc	6425	81736300	729.77	1.13975636159	8.0676E-03
407346	PhPy8EG_A14_ttbarMET300_400_hc	6425	81751065	729.77	1.13975636159	1.1191E-03
407347	PhPy8EG_A14_ttbarMET400_hdamp	6754	67794000	729.77	1.13975636159	3.1409E-04
411073	PhPy8EG_A14_ttbar_hdamp258p75_l	6798	87419000	729.77	1.1398	9.1892E-03
411074	PhPy8EG_A14_ttbar_hdamp258p75_l	6798	78070000	729.77	1.1398	4.8454E-02
411075	PhPy8EG_A14_ttbar_hdamp258p75_l	6798	75370000	729.77	1.1398	4.1220E-02
411076	PhPy8EG_A14_ttbar_hdamp258p75_c	6798	81909600	729.78	1.1397	8.7704E-03
411077	PhPy8EG_A14_ttbar_hdamp258p75_c	6798	83570000	729.77	1.1398	4.6615E-02

411078	PhPy8EG_A14_ttbar_hdamp258p75_d167981732V700	667981732	729.77	1.1397	3.9465E-02	
411391	PhPy8EG_A14_ttbarHT2k5_hdamp258p79101107ad	6679101107	729.77	1.0	2.9748E-05	
Systematic						
aMCAtNLOHerwig7		412116-412117,412175 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
412116	aMcAtNloHerwig7EvtGen_MEN30NLe0620150175000	0620150175	711.45	1.0	4.4040E-01	
412117	aMcAtNloHerwig7EvtGen_MEN30NLe0620150188000	0620150188	712.12	1.0	1.0705E-01	
412175	aMcAtNloHerwig7EvtGen_MEN30NLe0706150110000	0706150110	711.48	1.0	4.5262E-01	
aMcAtNloPythia		407348-407350,412067-412071 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
407348	aMcAtNloPythia8EvtGen_MEN30NLe068841723200ttbarHT9k5_nonAHD	0688417232	711.45	1.0	3.6402E-04	
407349	aMcAtNloPythia8EvtGen_MEN30NLe0688417247000ttbarHT9k_1k5_nonAH	0688417247	711.45	1.0	2.7855E-03	
407350	aMcAtNloPythia8EvtGen_MEN30NLe0688417250000ttbarHT9k_1k5_nonAH	0688417250	711.45	1.0	2.3177E-02	
412067	aMcAtNloPy8EG_A14_ttbar_hdamp258p72917350000ttbarBM2to	58p7291735	711.29	1.0	5.0219E-02	
412068	aMcAtNloPy8EG_A14_ttbar_hdamp258p729174556000ttbarBVeto	58p7291745	711.29	1.0	4.1409E-02	
412069	aMcAtNloPy8EG_A14_ttbar_hdamp258p72919033000ttbar	58p7291903	711.29	1.0	7.8759E-03	
412070	aMcAtNloPy8EG_A14_ttbar_hdamp258p72914113000ttbarBVeto	58p7291411	711.29	1.0	4.8122E-02	
412071	aMcAtNloPy8EG_A14_ttbar_hdamp258p72918238000ttbar	58p7291823	711.29	1.0	3.9649E-02	
aMCAtNLOPythia8		410464-410466 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410464	aMcAtNloPy8EvtGen_MEN30NLO_Ae678237098000ttbarShave_SingleLe691	67823709	711.29	1.1681	4.4037E-01	
410465	aMcAtNloPy8EvtGen_MEN30NLO_Ae678235095000ttbarShave_dil	67823509	711.29	1.1681	1.0717E-01	
410466	aMcAtNloPy8EvtGen_MEN30NLO_Ae678224017000ttbarShave_AllHad1692	67822401	711.29	1.1681	4.5261E-01	
HeavyFlavour		411082-411090,412072-412074 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
411082	PhHerwig7EG_H7UE_ttbar_hdamp258p79917812000ttbar	8679917812	730.15	1.1392	6.5591E-03	
411083	PhHerwig7EG_H7UE_ttbar_hdamp258p79917818000ttbar	8679917818	730.15	1.1392	6.4088E-02	
411084	PhHerwig7EG_H7UE_ttbar_hdamp258p799156765000ttbar	8679915676	730.15	1.1392	3.4934E-02	
411085	PhHerwig7EG_H7UE_ttbar_hdamp258p79911948800ttbar	8679911948	730.15	1.1392	6.2966E-03	
411086	PhHerwig7EG_H7UE_ttbar_hdamp258p79913908000ttbar	8679913908	730.15	1.1392	6.3330E-02	
411087	PhHerwig7EG_H7UE_ttbar_hdamp258p799178236000ttbar	8679917823	730.15	1.1392	3.3786E-02	
411088	PhHerwig7EG_H7UE_ttbar_hdamp258p79911944000ttbar	8679911944	730.15	1.1392	6.8432E-03	
411089	PhHerwig7EG_H7UE_ttbar_hdamp258p79911944000ttbar	8679911944	730.15	1.1392	6.4854E-02	
411090	PhHerwig7EG_H7UE_ttbar_hdamp258p799119425000ttbar	8679911942	730.15	1.1392	3.5565E-02	
412072	aMcAtNloPy8EG_A14_ttbar_hdamp258p72919140000ttbar	58p7291914	711.18	1.0	8.8191E-03	
412073	aMcAtNloPy8EG_A14_ttbar_hdamp258p72919135000ttbar	58p7291913	711.18	1.0	5.2276E-02	
412074	aMcAtNloPy8EG_A14_ttbar_hdamp258p72919140000ttbar	58p7291914	711.18	1.0	4.2530E-02	
HT		410446-410447 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410446	PowhegHerwig7EvtGen_H7UE_tt_hdamp258p729132753200ttbarHad5HT1k5	6672913275	730.15	1.1392	8.3057E-04	
410447	aMcAtNloPythia8EvtGen_MEN30NLe0681619281000ttbar	06816192	730.15	1.0	6.0191E-04	
PowhegHerwig		411329-411337,412066 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
411329	PhHerwig7EG_ttbar_hdamp258p75_7e378001765000ttbar	678001765	730.15	1.0	9.6817E-03	
411330	PhHerwig7EG_ttbar_hdamp258p75_7e3780017865000ttbar	678001786	730.15	1.0	6.4006E-02	

411331	PhHerwig7EG_ttbar_hdamp258p75_7	e73800	376851000	730.14	1.0	4.3190E-02
411332	PhHerwig7EG_ttbar_hdamp258p75_7	e73800	38354200	730.15	1.0	9.2359E-03
411333	PhHerwig7EG_ttbar_hdamp258p75_7	e73800	39046000	730.15	1.0	6.2998E-02
411334	PhHerwig7EG_ttbar_hdamp258p75_7	e73800	39738000	730.15	1.0	4.1430E-02
411335	PhH7EG_ttbarHT1k5_hdamp258p75	e7812	15479600	730.14	1.0	5.6865E-04
411336	PhH7EG_ttbarHT1k_1k5_hdamp258p75	e7812	10708000	730.14	1.0	3.3700E-03
411337	PhH7EG_ttbarHT6c_1k_hdamp258p75	e7812	7814000	730.15	1.0	2.4727E-02
412066	aMcAtNloPy8EG_A14_ttbar_hdamp258p75	e53129	77590000	711.19	1.0	8.3456E-03
PowhegPythia 410480-410482,411233-411234,411288-411289,411316,600031						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410480	PhPy8EG_A14_ttbar_hdamp517p5_Sing	e6454	376240000	729.74	1.1398	4.3852E-01
410481	PhPy8EG_A14_ttbar_hdamp517p5_al	e6454	256805000	729.74	1.0	4.5622E-01
410482	PhPy8EG_A14_ttbar_hdamp517p5_di	e6454	312904000	729.74	1.1398	1.0546E-01
411233	PowhegHerwig7EvtGen_tt_hdamp258p75	e7580	392565000	730.15	1.0	4.3848E-01
411234	PowhegHerwig7EvtGen_tt_hdamp258p75	e7580	312000000	730.15	1.0	1.0538E-01
411288	PhPy8EG_A14_ttbar_hdamp258p75_M	e7246	390960000	729.33	1.0	5.4385E-01
411289	PhPy8EG_A14_ttbar_hdamp258p75_M	e7246	390889000	729.33	1.0	1.0537E-01
411316	PowhegHerwig7EvtGen_tt_hdamp258p75	e7365	333160000	730.14	1.0	4.5615E-01
600031	PhPy8EG_A14_ttbar_hdamp258p75_M	e8041	79600000	730.17	1.0	4.5612E-01
TruthJet 410467-410469						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410467	PhPy8EG_A14_ttbar_hdamp517p5_nor	e6914	389440000	729.73	1.1398	1.5633E-01
410468	PowhegHerwig7EG_H7UE_tt_hdamp258p75	e5997	53980000	716.5	1.1398	1.5002E-01
410469	aMcAtNloPy8EG_MEN30NLO_A14	e2990	58960000	716.5	1.1692	1.4181E-01
Specialised						
HT 410428-410435,410444-410445						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410428	PhPy8EG_A14_ttbar_hdamp258p75_a	e6735	9996000	729.77	1.1398	6.8892E-02
410429	PhPy8EG_A14_ttbar_hdamp258p75_a	e6735	99040900	729.76	1.1398	5.1225E-03
410430	PhPy8EG_A14_ttbar_hdamp517p5_al	e6735	10000000	729.73	1.1398	7.2334E-02
410431	PhPy8EG_A14_ttbar_hdamp517p5_al	e6735	10062250	729.74	1.1398	5.5970E-03
410432	PowhegHerwig7EvtGen_H7UE_tt_hd	e6825	9995000	716.5	1.1392	6.5078E-02
410433	PowhegHerwig7EvtGen_H7UE_tt_hd	e6825	9995000	716.5	1.1392	4.8105E-03
410434	aMcAtNloPythia8EvtGen_MEN30NL	e6816	793500	716.5	1.1686	6.2520E-02
410435	aMcAtNloPy8EvtGen_MEN30NLO_A	e6816	4587600	716.5	1.1694	4.2625E-03
410444	PhPy8EG_A14_ttbar_hdamp258p75_a	e6735	10065870	729.77	1.1398	8.8763E-04
410445	PhPy8EG_A14_ttbar_hdamp517p5_al	e6735	10065490	729.75	1.1399	9.3171E-04
MII 306600-306617,307479-307502						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
306600	Sherpa_221_NNPDF30NNLO_ttbar_ee	e5452	1000000	4.3271	1.0	1.0000E+00
306601	Sherpa_221_NNPDF30NNLO_ttbar_ee	e5450	2000000	0.85325	1.0	1.0000E+00
306602	Sherpa_221_NNPDF30NNLO_ttbar_ee	e5450	2000000	0.28511	1.0	1.0000E+00
306603	Sherpa_221_NNPDF30NNLO_ttbar_ee	e5450	2000000	0.021725	1.0	1.0000E+00
306604	Sherpa_221_NNPDF30NNLO_ttbar_ee	e5450	1000000	0.00060548	1.0	1.0000E+00
306605	Sherpa_221_NNPDF30NNLO_ttbar_ee	e5450	1000000	4.3551e-06	1.0	1.0000E+00
306606	Sherpa_221_NNPDF30NNLO_ttbar_ee	e5450	1000000	8.6362e-08	1.0	1.0000E+00

306607	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5450	1000000	2.4758e-09	1.0	1.0000E+00
306608	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5450	1000000	1.0689e-10	1.0	1.0000E+00
306609	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5452	9000500	4.3281	1.0	1.0000E+00
306610	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5452	25000250	0.84689	1.0	1.0000E+00
306611	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5452	25000500	0.28603	1.0	1.0000E+00
306612	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5452	30000000	0.021624	1.0	1.0000E+00
306613	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5452	100002000	0.00060036	1.0	1.0000E+00
306614	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5452	200003000	4.3538e-06	1.0	1.0000E+00
306615	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5452	300004000	8.7675e-08	1.0	1.0000E+00
306616	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5452	400005000	2.4398e-09	1.0	1.0000E+00
306617	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5452	500000	1.0239e-10	1.0	1.0000E+00
307479	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	405000	8.6019	1.0	1.0000E+00
307480	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	4000500	2.2525	1.0	1.0000E+00
307481	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	2000000	0.043095	1.0	1.0000E+00
307482	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	2000000	0.0011984	1.0	1.0000E+00
307483	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	1000000	8.6749e-06	1.0	1.0000E+00
307484	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	350000	1.7652e-07	1.0	1.0000E+00
307485	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	405000	8.5834	1.0	1.0000E+00
307486	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	4000500	2.2613	1.0	1.0000E+00
307487	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	2000000	0.043029	1.0	1.0000E+00
307488	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	2000000	0.0012034	1.0	1.0000E+00
307489	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	1000000	8.6833e-06	1.0	1.0000E+00
307490	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	350000	1.7724e-07	1.0	1.0000E+00
307491	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	3000500	8.7146	1.0	1.0000E+00
307492	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	45000500	2.3083	1.0	1.0000E+00
307493	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	3000000	0.043187	1.0	1.0000E+00
307494	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	200002000	0.0011951	1.0	1.0000E+00
307495	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	250003000	8.641e-06	1.0	1.0000E+00
307496	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	1550000	1.7525e-07	1.0	1.0000E+00
307497	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	300000	4.2565	1.0	1.0000E+00
307498	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	4500000	1.1286	1.0	1.0000E+00
307499	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	3000000	0.021475	1.0	1.0000E+00
307500	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	200002000	0.0006037	1.0	1.0000E+00
307501	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	350003000	4.3395e-06	1.0	1.0000E+00
307502	Sherpa_221_NNP	PDF30NNLO_ttbar	ee5625	1550000	8.9497e-08	1.0	1.0000E+00
Mtt	301528,410284-410288,411292-411295						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff	
301528	PowhegPythiaEvtGen_P2012_ttbar_hdamp	ee5625	5500000	696.25	1.1949	0.00471933	
410284	PhPy8EG_A14_ttbar_hdamp258p75	ee5625	54016000	720.78	1.1397	3.8208E-03	
410285	PhPy8EG_A14_ttbar_hdamp258p75	ee5625	77995000	720.77	1.1398	1.5200E-03	
410286	PhPy8EG_A14_ttbar_hdamp258p75	ee5625	89480000	720.79	1.1397	6.3955E-04	
410287	PhPy8EG_A14_ttbar_hdamp258p75	ee5625	84585000	720.76	1.1398	3.6216E-04	
410288	PhPy8EG_A14_ttbar_hdamp258p75	ee5625	11412000	720.76	1.1398	1.8484E-04	
411292	PowhegPythia8EvtGen_ttbar_171p5	ee5625	56995000	750.33	1.0	4.3843E-01	
411293	PowhegPythia8EvtGen_ttbar_173p5	ee5625	56990000	710.64	1.0	4.3844E-01	
411294	PowhegPythia8EvtGen_ttbar_171p5	ee5625	79000000	79.062	1.0	1.0000E+00	
411295	PowhegPythia8EvtGen_ttbar_173p5	ee5625	79000000	74.878	1.0	1.0000E+00	
Superseded							
Mll	301539,302910-302924,303480-303487						

DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
301539	Sherpa_CT10_ttbar_ee_50M150	e4082	199500	4.7991	1.363	1.0000E+00
302910	Sherpa_CT10_ttbar_ee_150M500	e4082	50000	2.2365	1.363	1.0000E+00
302911	Sherpa_CT10_ttbar_ee_500M1000	e4082	46500	0.063812	1.363	1.0000E+00
302912	Sherpa_CT10_ttbar_ee_1000M2000	e4082	50000	0.0023248	1.363	1.0000E+00
302913	Sherpa_CT10_ttbar_ee_2000M3000	e4082	50000	2.22e-05	1.363	1.0000E+00
302914	Sherpa_CT10_ttbar_ee_3000M4000	e4082	50000	7e-07	1.363	1.0000E+00
302915	Sherpa_CT10_ttbar_ee_4000M5000	e4082	50000	2.0182e-08	1.363	1.0000E+00
302916	Sherpa_CT10_ttbar_ee_5000M	e4082	49000	8.2348e-10	1.363	1.0000E+00
302917	Sherpa_CT10_ttbar_mumu_50M150	e4082	200000	4.7487	1.363	1.0000E+00
302918	Sherpa_CT10_ttbar_mumu_150M500	e4082	50000	1.8522	1.363	1.0000E+00
302919	Sherpa_CT10_ttbar_mumu_500M1000	e4082	48500	0.058171	1.363	1.0000E+00
302920	Sherpa_CT10_ttbar_mumu_1000M2000	e4082	0	NOT FOUND	NOT FOUND	NOT FOUND
302921	Sherpa_CT10_ttbar_mumu_2000M3000	e4082	50000	2.33e-05	1.363	1.0000E+00
302922	Sherpa_CT10_ttbar_mumu_3000M4000	e4082	50000	6e-07	1.363	1.0000E+00
302923	Sherpa_CT10_ttbar_mumu_4000M5000	e4082	50000	1.898e-08	1.363	1.0000E+00
302924	Sherpa_CT10_ttbar_mumu_5000M	e4082	48000	7.9808e-10	1.363	1.0000E+00
303480	Sherpa_CT10_ttbar_emu_0M150	e4318	0	NOT FOUND	NOT FOUND	NOT FOUND
303481	Sherpa_CT10_ttbar_emu_150M500	e4318	0	NOT FOUND	NOT FOUND	NOT FOUND
303482	Sherpa_CT10_ttbar_emu_500M1000	e4362	0	NOT FOUND	NOT FOUND	NOT FOUND
303483	Sherpa_CT10_ttbar_emu_1000M2000	e4362	0	NOT FOUND	NOT FOUND	NOT FOUND
303484	Sherpa_CT10_ttbar_emu_2000M3000	e4318	0	NOT FOUND	NOT FOUND	NOT FOUND
303485	Sherpa_CT10_ttbar_emu_3000M4000	e4318	0	NOT FOUND	NOT FOUND	NOT FOUND
303486	Sherpa_CT10_ttbar_emu_4000M5000	e4362	0	NOT FOUND	NOT FOUND	NOT FOUND
303487	Sherpa_CT10_ttbar_emu_M5000	e4362	0	NOT FOUND	NOT FOUND	NOT FOUND
Obsolete						
Mjj	343362 ↗					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
343362	PowhegPythiaEvtGen_P2012_ttbar_hc46617992300_high696123	e46617992300	1592300	696123	1.195	1.8959E-04
Mtt	301528-301532,303722-303726,410284-410288 ↗					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
301528	PowhegPythiaEvtGen_P2012_ttbar_hc3954724000_nonal696.25tt_1	e3954724000	50000	696.25	1.1949	0.00471933
301529	PowhegPythiaEvtGen_P2012_ttbar_hc395472p5_nonal	e395472	0	NOT FOUND	NOT FOUND	NOT FOUND
301530	PowhegPythiaEvtGen_P2012_ttbar_hc395472p5_nonal	e395472	0	NOT FOUND	NOT FOUND	NOT FOUND
301531	PowhegPythiaEvtGen_P2012_ttbar_hc395472p5_nonal	e395472	0	NOT FOUND	NOT FOUND	NOT FOUND
301532	PowhegPythiaEvtGen_P2012_ttbar_hc3954724000_nonal696.25tt_5	e3954724000	50000	696.25	1.1949	0.00030919

303722	PowhegPythiaEvtGen_P2012_ttbar_hdamp258p75_allhad	e432172	1500000	0.31501	1.0	1.0000E+00
303723	PowhegPythiaEvtGen_P2012_ttbar_hdamp258p75_allhad	e432172	1500000	0.31501	1.0	1.0000E+00
303724	PowhegPythiaEvtGen_P2012_ttbar_hdamp258p75_allhad	e432172	1500000	0.31501	1.0	1.0000E+00
303725	PowhegPythiaEvtGen_P2012_ttbar_hdamp258p75_allhad	e432172	1500000	0.31501	1.0	1.0000E+00
303726	PowhegPythiaEvtGen_P2012_ttbar_hdamp258p75_allhad	e432172	1500000	0.31501	1.0	1.0000E+00
410284	PhPy8EG_A14_ttbar_hdamp258p75_allhad	e432172	1500000	0.31501	1.0	1.0000E+00
410285	PhPy8EG_A14_ttbar_hdamp258p75_allhad	e432172	1500000	0.31501	1.0	1.0000E+00
410286	PhPy8EG_A14_ttbar_hdamp258p75_allhad	e432172	1500000	0.31501	1.0	1.0000E+00
410287	PhPy8EG_A14_ttbar_hdamp258p75_allhad	e432172	1500000	0.31501	1.0	1.0000E+00
410288	PhPy8EG_A14_ttbar_hdamp258p75_allhad	e432172	1500000	0.31501	1.0	1.0000E+00

Description		DSID range				
Baseline						
Baseline		410051,410244-410245,410323-410328,411068-411070,411178-411180,411275				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410051	Sherpa_CT10_ttbb	e4669	1540500	0.31501	1.0	1.0000E+00
410244	aMcAtNloPythia8EvtGen_A14_NNPDF23_NNPDF30ME_ttbb_4FS_MS_dilep	e52130	1000000	0.31961	1.0	1.0000E+00
410245	aMcAtNloHerwigppEvtGen_UEEE5_CTEQ6L_e52130	e52130	1000000	0.31961	1.0	1.0000E+00
410323	Sherpa_NNPDF30NNLO_ttbb_lplush	e5695	27960000	5.7263	1.0	1.0000E+00
410324	Sherpa_NNPDF30NNLO_ttbb_lminush	e5695	27961000	5.7249	1.0	1.0000E+00
410325	Sherpa_NNPDF30NNLO_ttbb_lplusminus	e5695	26960000	2.7517	1.0	1.0000E+00
410326	Sherpa_NNPDF30NNLO_ttbbHBE1_lplush	e5895	2000000	5.7093	1.0	1.0000E+00
410327	Sherpa_NNPDF30NNLO_ttbbHBE1_lminush	e5895	2000000	5.7194	1.0	1.0000E+00
410328	Sherpa_NNPDF30NNLO_ttbbHBE1_lplusminus	e5895	1000000	2.7505	1.0	1.0000E+00
411068	PhPy8EG_A14NNPDF23_NNPDF30ME_ttbb_4FS_MS_dilep	e6784	12400000	11.619	1.0	1.0000E+00
411069	PhPy8EG_A14NNPDF23_NNPDF30ME_ttbb_4FS_MS_dilep	e6784	12400000	11.619	1.0	1.0000E+00
411070	PhPy8EG_A14NNPDF23_NNPDF30ME_ttbb_4FS_MS_allhad	e6784	12450000	11.618	1.0	1.0000E+00
411178	PhPy8EG_A14_NNPDF30ME_ttbb_4FS_MS_dilep	e7662	19550000	3.2461	1.0	1.0000E+00
411179	PhPy8EG_A14_NNPDF30ME_ttbb_4FS_MS_lplush	e7662	19550000	6.9132	1.0	1.0000E+00
411180	PhPy8EG_A14_NNPDF30ME_ttbb_4FS_MS_lminush	e7662	19550000	6.7321	1.0	1.0000E+00
411275	PhPy8EG_A14_NNPDF30ME_ttbb_4FS_MS_allhad	e7662	19549500	14.53	1.0	1.0000E+00
Alternative						
Alternative		410052-410058,410265-410267				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410052	Sherpa_CT10_ttbb_CSSKIN	e4790	1996000	0.31652	1.0	1.0000E+00
410053	Sherpa_CT10_ttbb_MSTW	e4790	1941000	0.35513	1.0	1.0000E+00
410054	Sherpa_CT10_ttbb_NNPDF	e4790	1992200	0.3562	1.0	1.0000E+00
410055	Sherpa_CT10_ttbb_QCMMPS	e4790	1976900	0.31843	1.0	1.0000E+00
410056	Sherpa_CT10_ttbb_X05	e4790	1987600	0.42914	1.0	1.0000E+00
410057	Sherpa_CT10_ttbb_X2	e4790	1992800	0.23165	1.0	1.0000E+00
410058	Sherpa_CT10_ttbb_glosoft	e4790	1995500	0.34185	1.0	1.0000E+00
410265	aMcAtNloPythia8EvtGen_MEN30NLO_A14NNPDF23_NNPDF30ME_ttbb_4FS_MS_dilep	e3906	9980000	1.11	1.0	4.3940E-01
410266	aMcAtNloPythia8EvtGen_MEN30NLO_A14NNPDF23_NNPDF30ME_ttbb_4FS_MS_allhad	e3906	9950000	2.5838	1.0	1.0000E+00
410267	aMcAtNloPythia8EvtGen_MEN30NLO_A14NNPDF23_NNPDF30ME_ttbb_4FS_MS_allhad	e3906	9900000	0.922	1.0	1.0000E+00

Systematic						
Systematic		410329-410339,410420-410423				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410329	Sherpa_NNPDF30NNLO_tbb_lplush_CSSKIN	e6039	1999000	5.7251	1.0	1.0000E+00
410330	Sherpa_NNPDF30NNLO_tbb_lminush_CSSKIN	e6039	2000000	5.7247	1.0	1.0000E+00
410331	Sherpa_NNPDF30NNLO_tbb_lplusminus_CSSKIN	e6039	2000000	2.7477	1.0	1.0000E+00
410332	Sherpa_NNPDF30NNLO_tbb_lplush_glosoft	e6039	2000000	6.2927	1.0	1.0000E+00
410333	Sherpa_NNPDF30NNLO_tbb_lminush_glosoft	e6039	1993500	6.2981	1.0	1.0000E+00
410334	Sherpa_NNPDF30NNLO_tbb_lplusminus_glosoft	e6039	1997000	3.0283	1.0	1.0000E+00
410335	Sherpa_NNPDF30NNLO_tbb_lplush_QCMMPS	e6039	2000000	5.7243	1.0	1.0000E+00
410336	Sherpa_NNPDF30NNLO_tbb_lminush_QCMMPS	e6039	2000000	5.7401	1.0	1.0000E+00
410337	Sherpa_NNPDF30NNLO_tbb_lplusminus_QCMMPS	e6039	2000000	2.7566	1.0	1.0000E+00
410338	Sherpa_NNPDF30NNLO_tbb_lplush_MPIup	e6039	2000000	5.7377	1.0	1.0000E+00
410339	Sherpa_NNPDF30NNLO_tbb_lminush_MPIup	e6039	2000000	5.7356	1.0	1.0000E+00
410420	Sherpa_NNPDF30NNLO_tbb_lplush_MPIdown	e6039	1999000	5.7288	1.0	1.0000E+00
410421	Sherpa_NNPDF30NNLO_tbb_lminush_MPIdown	e6039	2000000	5.7339	1.0	1.0000E+00
410422	Sherpa_NNPDF30NNLO_tbb_lplusminus_MPIdown	e6039	2000000	2.7476	1.0	1.0000E+00
410423	Sherpa_NNPDF30NNLO_tbb_lplusminus_MPIup	e6039	1998000	2.7434	1.0	1.0000E+00
Specialised						
Specialised		343431-343434,410184-410185				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
343431	MadGraphPythia8EvtGen_bbA_m500_tanb10	e4776	1000000	9.8368e-10	1.0	1.0000E+00
343432	MadGraphPythia8EvtGen_bbA_m1000_tanb10	e4776	500000	9.52e-05	1.0	1.0000E+00
343433	MadGraphPythia8EvtGen_bbH_m500_tanb10	e4776	1000000	9.2386e-10	1.0	1.0000E+00
343434	MadGraphPythia8EvtGen_bbH_m1000_tanb10	e4776	500000	0.0001003	1.0	1.0000E+00
410184	Sherpa_CT10_tbb_MPIup	e4736	1322500	0.31524	1.0	1.0000E+00
410185	Sherpa_CT10_tbb_MPIdown	e4736	1995500	0.31499	1.0	1.0000E+00

Description		DSID range				
Baseline						
Sherpa2210		700121-700124				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
700121	Sh_2210_ttbbar_AllHadronic_maxHTavgTopPT	e8253	109999200	314.12	1.0	1.0000E+00
700122	Sh_2210_ttbbar_SingleLeptonP_maxHTavgTopPT	e8253	109999400	151.01	1.0	1.0000E+00
700123	Sh_2210_ttbbar_SingleLeptonM_maxHTavgTopPT	e8253	10998600	151.05	1.0	1.0000E+00
700124	Sh_2210_ttbbar_dilepton_maxHTavgTopPT	e8253	129998800	72.592	1.0	1.0000E+00

TTbb

Description		DSID range				
Baseline						
PowhegPythia		411178-411180,411275				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
411178	PhPy8EG_A14_NNPDF30ME_tbb_4FS_MS	e7818	82703500	3.2461	1.0	1.0000E+00
411179	PhPy8EG_A14_NNPDF30ME_tbb_4FS_MS	e7818	80987500	6.913	1.0	1.0000E+00
411180	PhPy8EG_A14_NNPDF30ME_tbb_4FS_MS	e7818	80217000	6.7321	1.0	1.0000E+00

411275	PhPy8EG_A14_NNPdf30ME_ttbb_4FS_MS_e7Had	73448500	14.529	1.0	1.0000E+00
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ttgamma

Description		DSID range				
Baseline						
Baseline		410082-410084,410087-410089,410394,412112-412114 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410082	MadGraphPythia8EvtGen_A14NNPDF23LO_ttgamma_200000had	44041	200000	2.9788	1.47	1.0000E+00
410083	MadGraphPythia8EvtGen_A14NNPDF23LO_ttgamma_150000had	44118	150000	2.9783	1.47	2.8400E-01
410084	MadGraphPythia8EvtGen_A14NNPDF23LO_ttgamma_80000allhad	44118	80000	2.9783	1.47	1.1285E-01
410087	MadGraphPythia8EvtGen_A14NNPDF23LO_ttgamma_600000	44041	600000	2.2287	1.47	1.0000E+00
410088	MadGraphPythia8EvtGen_A14NNPDF23LO_ttgamma_600000allhad	44118	600000	2.2287	1.47	3.0389E-01
410089	MadGraphPythia8EvtGen_A14NNPDF23LO_ttgamma_400000had	44118	400000	2.2285	1.47	1.2420E-01
410394	MadGraphPythia8EvtGen_A14NNPDF23_ttgamma_990000mic	63091	990000	3.6279	1.0	1.0000E+00
412112	aMcAtNloPythia8EvtGen_A14NNPDF23_ttgamma_1250000	73861	1250000	2.7143	1.0	5.4252E-01
412113	MadGraphPythia8EvtGen_A14NNPDF23_ttgamma_1445000P	73791	1445000	2.7335	1.0	5.5550E-01
412114	MadGraphPythia8EvtGen_A14NNPDF23_ttgamma_1485000	73791	1485000	2.5196	1.0	1.0000E+00
Alternative						
Alternative		410395-410396 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410395	MGH7EG_H7UE_ttgamma_nonallhadronic	e6416	19425000	4.6236	1.0	1.0000E+00
410396	MGH7EG_H7UE_ttgamma_allhadronic	e6472	990000	3.6279	1.0	1.0000E+00
Systematic						
Systematic		410404-410405,410410-410411 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410404	MadGraphPythia8EvtGen_A14NNPDF23Var3ctb_10550000	63501	10550000	4.6243	1.0	1.0000E+00
410405	MadGraphPythia8EvtGen_A14NNPDF23Var3ctb_10550000	63501	10550000	4.6243had	1.0	1.0000E+00
410410	MadGraphPythia8EvtGen_A14NNPDF23Var3ctb_11990000_allhad	64711	11990000	3.6279	1.0	1.0000E+00
410411	MadGraphPythia8EvtGen_A14NNPDF23Var3ctb_11990000	64711	11990000	3.6279	1.0	1.0000E+00
Specialised						
Specialised		410382-410388 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410382	aMcAtNloPythia8EvtGen_A14_NNPdf23_NNPDF23_1000000gam_1675ft_sm	62530	1000000	5.0916	1.0	5.0916E-01
410383	aMcAtNloPythia8EvtGen_A14_NNPdf23_NNPDF23_1000000gam_1807ft_ctbm	62530	1000000	5.0786	1.0	5.0786E-01
410384	aMcAtNloPythia8EvtGen_A14_NNPdf23_NNPDF23_1000000gam_199eft_ctbp	62530	1000000	5.0894	1.0	5.0894E-01
410385	aMcAtNloPythia8EvtGen_A14_NNPdf23_NNPDF23_1000000gam_1627ft_ctgm	62530	1000000	5.0866	1.0	5.0866E-01
410386	aMcAtNloPythia8EvtGen_A14_NNPdf23_NNPDF23_1000000gam_1912ft_ctgp	62530	1000000	5.0853	1.0	5.0853E-01
410387	aMcAtNloPythia8EvtGen_A14_NNPdf23_NNPDF23_1000000gam_1675ft_ctwm	62530	1000000	5.0842	1.0	5.0842E-01
410388	aMcAtNloPythia8EvtGen_A14_NNPdf23_NNPDF23_1000000gam_1754ft_ctwp	62530	1000000	5.0868	1.0	5.0868E-01

ttV

Description		DSID range				
Baseline						
Baseline		410066-410070,410073-410075,410111-410116,410142-410144,413005,413008,413022				

DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410066	MadGraphPythia8EvtGen_A14NNPDF23le01ttW_Np0	e41170	1000000	NOT FOUND	NOT FOUND	NOT FOUND
410067	MadGraphPythia8EvtGen_A14NNPDF23le01ttW_Np1	e41170	1000000	NOT FOUND	NOT FOUND	NOT FOUND
410068	MadGraphPythia8EvtGen_A14NNPDF23le01ttW_Np200	e41170	1000000	0.1368	1.32	1.0000E+00
410069	MadGraphPythia8EvtGen_A14NNPDF23le01ttZlonshell_Np0	e41170	1000000	NOT FOUND	NOT FOUND	NOT FOUND
410070	MadGraphPythia8EvtGen_A14NNPDF23le01ttZlonshell_Np1	e41170	1000000	NOT FOUND	NOT FOUND	NOT FOUND
410073	MadGraphPythia8EvtGen_A14NNPDF23le01ttZlonqq_Np0	e41170	1000000	NOT FOUND	NOT FOUND	NOT FOUND
410074	MadGraphPythia8EvtGen_A14NNPDF23le01ttZlonqq_Np1	e41170	1000000	NOT FOUND	NOT FOUND	NOT FOUND
410075	MadGraphPythia8EvtGen_A14NNPDF23le06ttZlonqq_Np20	e4686	1000000	20.17289	1.47	1.0000E+00
410111	MadGraphPythia8EvtGen_A14NNPDF23le026tt30Np00	e42653	3000000	0.0088456	1.51	1.0000E+00
410112	MadGraphPythia8EvtGen_A14NNPDF23le026tt30Np00	e42653	3000000	0.014377	1.51	1.0000E+00
410113	MadGraphPythia8EvtGen_A14NNPDF23le026tt30000Np00	e42653	3000000	0.0087974	1.51	1.0000E+00
410114	MadGraphPythia8EvtGen_A14NNPDF23le026tt30000Np10	e42653	3000000	0.014411	1.51	1.0000E+00
410115	MadGraphPythia8EvtGen_A14NNPDF23le026tt30000Np00	e42653	3000000	0.009025	1.51	1.0000E+00
410116	MadGraphPythia8EvtGen_A14NNPDF23le026tt30000Np10	e42653	3000000	0.014593	1.51	1.0000E+00
410142	Sherpa_NNPDF30NNLO_tll_mll5	e4686	6600000	0.11315	1.09	1.0000E+00
410143	Sherpa_NNPDF30NNLO_tZnnqq	e4686	18250000	0.6875	1.10	1.0000E+00
410144	Sherpa_NNPDF30NNLO_ttW	e4686	18250000	0.57726	1.04	1.0000E+00
413005	Sherpa_224_NN30NNLO_ttW_incNLO	e7278	8000000	0.58118	1.0	1.0000E+00
413008	Sherpa_221_NN30NNLO_ttW_multilegNLO	e7286	31483500	0.65206	1.0	1.0000E+00
413022	Sherpa_221_tll_NLO_inc	e7504	23485000	0.12038	1.0	1.0000E+00
413023	Sherpa_221_tll_multileg_NLO	e7504	23482600	0.13057	1.0	1.0000E+00

Systematic

Systematic 410190-410213,410370-410381,412090-412092

DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410190	MadGraphPythia8EvtGen_A14NNPDF23le079tt2000000p00sca12Up	e47992	2000000	0.1712	1.47	1.0000E+00
410191	MadGraphPythia8EvtGen_A14NNPDF23le079tt2000000p00sca12Dn	e47992	2000000	0.17132	1.47	1.0000E+00
410192	MadGraphPythia8EvtGen_A14NNPDF23le079tt2000000p10sca13Up	e47992	2000000	0.16139	1.47	1.0000E+00
410193	MadGraphPythia8EvtGen_A14NNPDF23le079tt2000000p10sca13Dn	e47992	2000000	0.16129	1.47	1.0000E+00
410194	MadGraphPythia8EvtGen_A14NNPDF23le079tt2007000p20sca15Up	e47992	2007000	0.17150	1.47	1.0000E+00
410195	MadGraphPythia8EvtGen_A14NNPDF23le079tt2008000p20sca15Dn	e47992	2008000	0.17199	1.47	1.0000E+00
410196	MadGraphPythia8EvtGen_A14NNPDF23le079tt20Np000ca0e14226	e47992	20Np000	0e14226	1.7088	1.0000E+00
410197	MadGraphPythia8EvtGen_A14NNPDF23le079tt20Np000ca0e12897	e47992	20Np000	0e12897	0.9546	1.0000E+00
410198	MadGraphPythia8EvtGen_A14NNPDF23le079tt20Np100ca0e10949	e47992	20Np100	0e10949	1.7088	1.0000E+00
410199	MadGraphPythia8EvtGen_A14NNPDF23le079tt20Np100ca0e13896	e47992	20Np100	0e13896	0.9546	1.0000E+00
410200	MadGraphPythia8EvtGen_A14NNPDF23le079ttMONp000ca0e1098946	e47992	MONp000	0e1098946	1.7088	1.0000E+00
410201	MadGraphPythia8EvtGen_A14NNPDF23le079ttMONp000ca0e10919	e47992	MONp000	0e10919	0.9546	1.0000E+00
410202	MadGraphPythia8EvtGen_A14NNPDF23le079tt30Np000sca0e0066789	e47992	30Np000	0e0066789	2.21	1.0000E+00
410203	MadGraphPythia8EvtGen_A14NNPDF23le079tt30Np000sca0e015714	e47992	30Np000	0e015714	0.95	1.0000E+00
410204	MadGraphPythia8EvtGen_A14NNPDF23le079tt30Np100sca0e011837	e47992	30Np100	0e011837	2.21	1.0000E+00
410205	MadGraphPythia8EvtGen_A14NNPDF23le079tt30Np000sca0e027172	e47992	30Np000	0e027172	0.95	1.0000E+00
410206	MadGraphPythia8EvtGen_A14NNPDF23le079tt30000Np000ca0e0066834	e47992	30000Np000	0e0066834	2.21	1.0000E+00
410207	MadGraphPythia8EvtGen_A14NNPDF23le079tt30000Np000ca0e015726	e47992	30000Np000	0e015726	0.95	1.0000E+00

410208	MadGraphPythia8EvtGen_A14NNPDF23le0796a30000Np10s011839	2.21	1.0000E+00
410209	MadGraphPythia8EvtGen_A14NNPDF23le0796a30000Np10s021779	0.95	1.0000E+00
410210	MadGraphPythia8EvtGen_A14NNPDF23le0796a30000Np0Ntau_Np0NotFOUND	NOT FOUND	NOT FOUND
410211	MadGraphPythia8EvtGen_A14NNPDF23le0796a30000Np0s011839	0.95	1.0000E+00
410212	MadGraphPythia8EvtGen_A14NNPDF23le0796a30000Np10s011832	2.21	1.0000E+00
410213	MadGraphPythia8EvtGen_A14NNPDF23le0796a30000Np10s021773	0.95	1.0000E+00
410370	aMcAtNloPythia8EvtGen_MEN30NLO_Ad6Mar379000BL0.036894	1.0	1.0000E+00
410371	aMcAtNloPythia8EvtGen_MEN30NLO_Ad6Mar377000N291036808	1.0	1.0000E+00
410372	aMcAtNloPythia8EvtGen_MEN30NLO_Ad6Mar377500BL0.036901u	1.0	1.0000E+00
410373	aMcAtNloPythia8EvtGen_MEN30NLO_Ad6Mar378500N291036896umu	1.0	1.0000E+00
410374	aMcAtNloPythia8EvtGen_MEN30NLO_Ad6Mar378500BL0.036911u	1.0	1.0000E+00
410375	aMcAtNloPythia8EvtGen_MEN30NLO_Ad6Mar379000N291036911autau	1.0	1.0000E+00
410376	aMcAtNloPythia8EvtGen_MEN30NLO_Ad6Mar985000BL0.54839	1.0	1.0000E+00
410377	aMcAtNloPythia8EvtGen_MEN30NLO_Ad6Mar984500N29150839W	1.0	1.0000E+00
410378	aMcAtNloPythia8EvtGen_MEN30NLO_Ad580ar384000BL0.15491nu	1.0	1.0000E+00
410379	aMcAtNloPythia8EvtGen_MEN30NLO_Ad580ar384000N2911040Znunu	1.0	1.0000E+00
410380	aMcAtNloPythia8EvtGen_MEN30NLO_Ad580ar5000003L0.52866	1.0	1.0000E+00
410381	aMcAtNloPythia8EvtGen_MEN30NLO_Ad580ar500000N2915086Zqq	1.0	1.0000E+00
412090	aMcAtNloHerwig7EvtGen_H7UE_ttee766452450000.026927	1.0	1.0000E+00
412091	aMcAtNloHerwig7EvtGen_H7UE_ttmume766452450000.026927	1.0	1.0000E+00
412092	aMcAtNloHerwig7EvtGen_H7UE_ttautae766452500000.045031	1.0	1.0000E+00

Specialised

Specialised 407320-407321,410290-410322,412008-412014,412017-412025,412028-412036,412039

DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
407320	aMcAtNloPythia8EvtGen_MEN30NLO_Ad5827109800000.21551				1.0	1.0000E+00
407321	MadGraphPythia8EvtGen_A14NNPDF23le0536900000.00026641				1.0	1.0000E+00
410290	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.03629sm				1.0	1.0000E+00
410291	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.055305cfq3p				1.0	1.0000E+00
410292	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.024413cfq3m				1.0	1.0000E+00
410293	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.049175cftp				1.0	1.0000E+00
410294	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.03039cftm				1.0	1.0000E+00
410295	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.039146ctwp				1.0	1.0000E+00
410296	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.039215ctwm				1.0	1.0000E+00
410297	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.039115ctbp				1.0	1.0000E+00
410298	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.038761ctbm				1.0	1.0000E+00
410299	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.040559ctgp				1.0	1.0000E+00
410300	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.033389ctgm				1.0	1.0000E+00
410301	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.03629ft_sm				1.0	1.0000E+00
410302	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.055296cfq3p				1.0	1.0000E+00
410303	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.024478cfq3m				1.0	1.0000E+00
410304	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.049624cftp				1.0	1.0000E+00
410305	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.03037ft_cftm				1.0	1.0000E+00
410306	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.03924ft_ctwp				1.0	1.0000E+00
410307	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.03926ft_ctwm				1.0	1.0000E+00
410308	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.03919ft_ctbp				1.0	1.0000E+00
410309	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.03865ft_ctbm				1.0	1.0000E+00
410310	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.04040ft_ctgp				1.0	1.0000E+00
410311	aMcAtNloPythia8EvtGen_A14_NNPDF23e5758P015000ME0.033368ctgm				1.0	1.0000E+00

410312	aMcAtNloPythia8EvtGen_A14_NNP	PDF23_e5758P	DF5000E	0.0036047_sm	1.0	1.0000E+00
410313	aMcAtNloPythia8EvtGen_A14_NNP	PDF23_e5758P	DF5000E	0.0054765_cfq3p	1.0	1.0000E+00
410314	aMcAtNloPythia8EvtGen_A14_NNP	PDF23_e5758P	DF5000E	0.0024254_cfq3p	1.0	1.0000E+00
410315	aMcAtNloPythia8EvtGen_A14_NNP	PDF23_e5758P	DF5000E	0.0049289_cftp	1.0	1.0000E+00
410316	aMcAtNloPythia8EvtGen_A14_NNP	PDF23_e5758P	DF5000E	0.0030069_ctfm	1.0	1.0000E+00
410317	aMcAtNloPythia8EvtGen_A14_NNP	PDF23_e5758P	DF5000E	0.0039052_ctwp	1.0	1.0000E+00
410318	aMcAtNloPythia8EvtGen_A14_NNP	PDF23_e5758P	DF5000E	0.0039083_ctwm	1.0	1.0000E+00
410319	aMcAtNloPythia8EvtGen_A14_NNP	PDF23_e5758P	DF5000E	0.0038892_ctbp	1.0	1.0000E+00
410320	aMcAtNloPythia8EvtGen_A14_NNP	PDF23_e5758P	DF5000E	0.0038593_ctbm	1.0	1.0000E+00
410321	aMcAtNloPythia8EvtGen_A14_NNP	PDF23_e5758P	DF5000E	0.0040465_ctgp	1.0	1.0000E+00
410322	aMcAtNloPythia8EvtGen_A14_NNP	PDF23_e5758P	DF5000E	0.003167t_ctgm	1.0	1.0000E+00
412008	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.001133sm	1.0	1.0000E+00
412009	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.0011401cfq3p	1.0	1.0000E+00
412010	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.0011444cfq3m	1.0	1.0000E+00
412011	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.0011519cftp	1.0	1.0000E+00
412012	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.0011534ctfm	1.0	1.0000E+00
412013	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.0011532ctwp	1.0	1.0000E+00
412014	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.0011539ctwm	1.0	1.0000E+00
412017	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.0011627ctgp	1.0	1.0000E+00
412018	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.0011748ctgm	1.0	1.0000E+00
412019	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.001163BT_sm	1.0	1.0000E+00
412020	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.001174BT_cfq3p	1.0	1.0000E+00
412021	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.001245HT_cfq3m	1.0	1.0000E+00
412022	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.0012549_cftp	1.0	1.0000E+00
412023	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.001263BT_ctfm	1.0	1.0000E+00
412024	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.001293BT_ctwp	1.0	1.0000E+00
412025	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.001293BT_ctwm	1.0	1.0000E+00
412028	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.001265FT_ctgp	1.0	1.0000E+00
412029	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.001243BT_ctgm	1.0	1.0000E+00
412030	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.00126185_sm	1.0	1.0000E+00
412031	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.001251H7_cfq3p	1.0	1.0000E+00
412032	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.00124234_cfq3m	1.0	1.0000E+00
412033	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.00126268_cftp	1.0	1.0000E+00
412034	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.00126163_ctfm	1.0	1.0000E+00
412035	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.0012634_ctwp	1.0	1.0000E+00
412036	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.00126167_ctwm	1.0	1.0000E+00
412039	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.00126172_ctgp	1.0	1.0000E+00
412040	aMcAtNloPy8EG_A14_NNP	PDF23_NNP	DF3000E	0.00126178_ctgm	1.0	1.0000E+00

tZ

Description		DSID range				
Superseded						
Superseded		410049 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
410049	MadGraphPythiaEvtGen_P2012_tZ_4fl_tchan	41160	1	NOT FOUND	NOT FOUND	NOT FOUND

WWbb

Description		DSID range				
Specialised						
MET		407324,407324-407326,407326-407328,407328-407330,407330-407331,407331-407332,407332-407334				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
407324	MGPy8EG_A14N23LO_WVv5bDR	180000	180000res_1L	1.182200_400	1.0	1.0000E+00
407324	MGPy8EG_A14N23LO_WVv5bDR	4545000	4545000res_1L	2.0687200_400	1.0	1.0000E+00
407325	MGPy8EG_A14N23LO_WVv5bDR	90000	90000res_1L	0.0676480953	1.0	1.0000E+00
407326	MGPy8EG_A14N23LO_WVv5bDR	180000	180000res_2L	1.182200_400	1.0	1.0000E+00
407326	MGPy8EG_A14N23LO_WVv5bDR	4545000	4545000res_2L	2.0687200_400	1.0	1.0000E+00
407327	MGPy8EG_A14N23LO_WVv5bDR	90000	90000res_2L	0.0974001273	1.0	1.0000E+00
407328	MGPy8EG_A14N23LO_WVv5bDR	180000	180000res_1L	1.182200_400	1.0	1.0000E+00
407328	MGPy8EG_A14N23LO_WVv5bDR	4545000	4545000res_1L	2.0687200_400	1.0	1.0000E+00
407329	MGPy8EG_A14N23LO_WVv5bDR	90000	90000res_1L	0.0674007505943	1.0	1.0000E+00
407330	MGPy8EG_A14N23LO_WVv5bDR	180000	180000res_2L	1.182200_400	1.0	1.0000E+00
407330	MGPy8EG_A14N23LO_WVv5bDR	4545000	4545000res_2L	2.0687200_400	1.0	1.0000E+00
407331	MGPy8EG_A14N23LO_WVv5bDR	90000	90000res_2L	0.06094027	1.0	1.0000E+00
407331	MGPy8EG_A14N23LO_WVv5bDR	90000	90000res_2L	0.06420066807953	1.0	1.0000E+00
407332	MGPy8EG_A14N23LO_WVv5bDR	180000	180000 MET	2.282_400	1.0	1.0000E+00
407332	MGPy8EG_A14N23LO_WVv5bDR	4545000	4545000 MET	2.2069700	1.0	1.0000E+00
407333	MGPy8EG_A14N23LO_WVv5bDR	90000	90000 1L MET	0.0702062017593	1.0	1.0000E+00
407334	MGPy8EG_A14N23LO_WVv5bDR	180000	180000 MET	2.2528400	1.0	1.0000E+00
407334	MGPy8EG_A14N23LO_WVv5bDR	4545000	4545000 MET	2.2648003	1.0	1.0000E+00
407335	MGPy8EG_A14N23LO_WVv5bDR	90000	90000 2L MET	0.0105644608278	1.0	1.0000E+00
410175	MadGraphPythia8EvtGen_A43264PI	1928000	1928000 ttba	5.16200	1.6239	8.4174E-03
410176	MadGraphPythia8EvtGen_A43264PI	2528000	2528000 ttba	5.16200	1.6239	2.6062E-01
410178	MadGraphPythia8EvtGen_A43264PI	2028000	2028000 Wtb	4.697800	1.0	4.2646E-02
410179	MadGraphPythia8EvtGen_A43264PI	2528000	2528000 Wtb	4.69460_200	1.0	2.8643E-01
410181	MadGraphPythia8EvtGen_A43264PI	2028000	2028000 WVv5bDR	5.16200	1.0	6.6604E-03
410182	MadGraphPythia8EvtGen_A43264PI	2528000	2528000 WVv5bDR	5.16200	1.0	2.5352E-01

Diboson

Description		DSID range				
Baseline						
Sherpa228_Vy		700011-700017				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
700011	Sh_228_eegamma_pty7_EnhMaxpTVp7	67947	27439000	98.705	1.0	1.0000E+00
700012	Sh_228_mmgamma_pty7_EnhMaxpTVp7	67947	27439000	98.69	1.0	1.0000E+00
700013	Sh_228_ttgamma_pty7_EnhMaxpTVp7	67947	27440000	98.715	1.0	1.0000E+00
700014	Sh_228_vvgamma_pty7_EnhMaxpTVp7	67947	16109800	57.023	1.0	1.0000E+00
700015	Sh_228_evgamma_pty7_EnhMaxpTVp7	67947	96178000	356.31	1.0	1.0000E+00
700016	Sh_228_mvgamma_pty7_EnhMaxpTVp7	67947	96177500	358.25	1.0	1.0000E+00
700017	Sh_228_tvgamma_pty7_EnhMaxpTVp7	67947	96180000	356.36	1.0	1.0000E+00
Sherpa_VV_EWK		364283-364287				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364283	Sherpa_222_NNPDF30NNLO_IIIj_EW	6055	1279800	0.010567	1.0	1.0000E+00
364284	Sherpa_222_NNPDF30NNLO_IIIvjj_EW	6055	7325000	0.047066	1.0	1.0000E+00

364285	Sherpa_222_NNPDF30NNLO_llvvjj_E	e6055	1579600	0.11629	1.0	1.0000E+00
364286	Sherpa_222_NNPDF30NNLO_llvvjj_ss	e6054	2750000	0.02521	1.0	1.0000E+00
364287	Sherpa_222_NNPDF30NNLO_llvvjj_ss	e6055	2125000	0.040854	1.0	1.0000E+00
Sherpa_VV_QCD 345043-345044,345705-345706,345718,345723,363356,363358-363360,364250,364253-364255						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
345043	Sherpa_221_NNPDF30NNLO_ZbbZvv	e6470	19610000	15.565	1.0	6.1562E-02
345044	Sherpa_221_NNPDF30NNLO_ZbbZll	e6470	19609800	15.569	1.0	3.1267E-02
345705	Sherpa_222_NNPDF30NNLO_ggllll_0l	e62130	1124000	0.0099577	1.0	1.0000E+00
345706	Sherpa_222_NNPDF30NNLO_ggllll_1l	e6213	4183200	0.010071	1.0	1.0000E+00
345718	Sherpa_222_NNPDF30NNLO_ggllvvW	e6525	1960000	0.4823	1.0	1.0000E+00
345723	Sherpa_222_NNPDF30NNLO_ggllvvZ	e6213	5910000	0.0071139	1.0	1.0000E+00
363356	Sherpa_221_NNPDF30NNLO_ZqqZll	e5525	19770000	15.564	1.0	1.4158E-01
363358	Sherpa_221_NNPDF30NNLO_WqqZll	e5525	41346000	3.4328	1.0	1.0000E+00
363359	Sherpa_221_NNPDF30NNLO_WpqqW	e5583	55118000	24.708	1.0	1.0000E+00
363360	Sherpa_221_NNPDF30NNLO_WplvW	e5583	33514000	24.724	1.0	1.0000E+00
364250	Sherpa_222_NNPDF30NNLO_llll	e5894	69699800	1.2515	1.0	1.0000E+00
364253	Sherpa_222_NNPDF30NNLO_lllv	e5916	59109400	4.5723	1.0	1.0000E+00
364254	Sherpa_222_NNPDF30NNLO_llvv	e5916	69900000	12.501	1.0	1.0
364255	Sherpa_222_NNPDF30NNLO_lvvv	e5916	23960000	3.2348	1.0	1.0
364288	Sherpa_222_NNPDF30NNLO_llll_low	e6096	7860000	1.4496	1.0	1.0000E+00
364289	Sherpa_222_NNPDF30NNLO_lllv_low	e6183	8379500	2.9599	1.0	1.0000E+00
364290	Sherpa_222_NNPDF30NNLO_llvv_low	e6096	1200000	0.17154	1.0	1.0000E+00
364302	Sherpa_222_NNPDF30NNLO_ggZllZqq	e6273	985800	0.92331	1.0	1.4156E-01
364303	Sherpa_222_NNPDF30NNLO_ggZvvZqq	e6273	986800	0.92488	1.0	2.8027E-01
364304	Sherpa_222_NNPDF30NNLO_ggWmlv	e6273	1330000	0.62194	1.0	1.0000E+00
364305	Sherpa_222_NNPDF30NNLO_ggWplv	e6273	1370000	0.62186	1.0	1.0000E+00
Alternative						
PowhegPythia_VV_EWK 363995-363996						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
363995	PhPy8EG_NNPDF30NLO_AZNLOC6l	e5678	3650000	0.007805	1.0	1.0000E+00
363996	PhPy8EG_NNPDF30NLO_AZNLOC6l	e5678	3650000	0.020891	1.0	1.0000E+00
PowhegPythia_VV_QCD 342556,343232,361601,361603-361604						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
342556	PowhegPy8EG_CT10nloME_AZNLOC	e4366	3627000	142791	1.0	3.2518E-02
343232	PowhegPy8EG_CT10nloME_AZNLOC	e4366	4227000	142694	1.0	3.6883E-03
361601	PowhegPy8EG_CT10nloME_AZNLOC	e4366	36492000	113122	1.0	1.0000E+00
361603	PowhegPy8EG_CT10nloME_AZNLOC	e4366	14265000	14269	1.0	1.0000E+00
361604	PowhegPy8EG_CT10nloME_AZNLOC	e4366	2982000	1192208	1.0	1.0000E+00
Sherpa228_Vy_pTV90 700018-700024						
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
700018	Sh_228_eegamma_pty7_ptV90	e7947	1820000	1.7364	1.0	1.0000E+00
700019	Sh_228_mmgamma_pty7_ptV90	e7947	1820000	1.7459	1.0	1.0000E+00
700020	Sh_228_ttgamma_pty7_ptV90	e7947	1820000	1.738	1.0	1.0000E+00
700021	Sh_228_vvgamma_pty7_ptV90	e7947	11630000	3.487	1.0	1.0000E+00
700022	Sh_228_evgamma_pty7_ptV90	e7947	9280000	7.9445	1.0	1.0000E+00
700023	Sh_228_mvgamma_pty7_ptV90	e7947	9280000	7.9446	1.0	1.0000E+00
700024	Sh_228_tvgamma_pty7_ptV90	e7947	9280000	7.9433	1.0	1.0000E+00
Specialised						

Sherpa_VV_QCD		364251-364252,364261				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364251	Sherpa_222_NNPDF30NNLO_III_m4l	e58930	3171900	0.35262	1.0	1.2787E-01
364252	Sherpa_222_NNPDF30NNLO_III_m4l	e5894	17969000	0.061754	1.0	1.0
364261	Sherpa_222_NNPDF30NNLO_IIIv_3lep	e58951	56482800	1.5761	1.0	2.0476E-01

Triboson

Description		DSID range				
Baseline						
Sherpa_VVV		364242-364249,364336-364339				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364242	Sherpa_222_NNPDF30NNLO_WWW_313v_EW6	e5887	4820000	0.0071985	1.0	1.0000E+00
364243	Sherpa_222_NNPDF30NNLO_WWZ_412v_EW6	e5887	220000	0.001797	1.0	1.0000E+00
364244	Sherpa_222_NNPDF30NNLO_WWZ_214v_EW6	e5887	220000	0.0035467	1.0	1.0000E+00
364245	Sherpa_222_NNPDF30NNLO_WZZ_511v_EW6	e5887	190000	0.00018807	1.0	1.0000E+00
364246	Sherpa_222_NNPDF30NNLO_WZZ_313v_EW6	e5887	190000	0.001668	1.0	4.4626E-01
364247	Sherpa_222_NNPDF30NNLO_ZZZ_610v_EW6	e5887	135000	1.4524e-05	1.0	1.0000E+00
364248	Sherpa_222_NNPDF30NNLO_ZZZ_412v_EW6	e5887	135000	0.00038535	1.0	2.2426E-01
364249	Sherpa_222_NNPDF30NNLO_ZZZ_214v_EW6	e5887	135000	0.0003851	1.0	4.4451E-01
364336	Sherpa_222_NNPDF30NNLO_WpWpWn_sslv_EW6	e637E	50000	0.009607	1.0	4.6810E-01
364337	Sherpa_222_NNPDF30NNLO_WnWnWp_sslv_EW6	e637E	50000	0.0053859	1.0	4.6260E-01
364338	Sherpa_222_NNPDF30NNLO_WpWpWn_oslv_EW6	e637E	50000	0.043614	1.0	3.2568E-01
364339	Sherpa_222_NNPDF30NNLO_WnWnWp_oslv_EW6	e637E	50000	0.024695	1.0	3.2915E-01
Alternative						
Sherpa_VVV		407311-407315				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
407311	Sherpa_221_NNPDF30NNLO_610v_EW6	e5473	150000	0.0001025	1.0	1.0000E+00
407312	Sherpa_221_NNPDF30NNLO_511v_EW6	e5473	150000	0.00056763	1.0	1.0000E+00
407313	Sherpa_221_NNPDF30NNLO_412v_EW6	e5473	150000	0.0043651	1.0	1.0000E+00
407314	Sherpa_221_NNPDF30NNLO_313v_EW6	e5473	149500	0.015773	1.0	1.0000E+00
407315	Sherpa_221_NNPDF30NNLO_214v_EW6	e5655	178000	0.0058087	1.0	1.0000E+00

Winc_iv

Description		DSID range				
Baseline						
PowhegPythia_Wenu		361100,361103				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
361100	PowhegPythia8EvtGen_AZNLOCTEQ61601Wp2l3000	e51601W	9266300	11306.0	1.01723999646	1.0
361103	PowhegPythia8EvtGen_AZNLOCTEQ61601Wn2l3000	e51601W	3523600	8283.1	1.03577349174	1.0000E+00
PowhegPythia_Wmunu		361101,361104				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
361101	PowhegPythia8EvtGen_AZNLOCTEQ61601Wp2l3000	e51601W	55218000	11306.0	1.01723999646	1.0000E+00
361104	PowhegPythia8EvtGen_AZNLOCTEQ61601Wn2l3000	e51601W	36978000	8283.1	1.03576098662	1.0000E+00
PowhegPythia_Wtaunu		361102,361105				

DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
361102	PowhegPythia8EvtGen_AZNLOCTEQ61601WpT1s1000	61601WpT1s1000	11306.0	11306.0	1.01723999646	1.0000E+00
361105	PowhegPythia8EvtGen_AZNLOCTEQ61601WpT1s1000	61601WpT1s1000	8282.9	8282.9	1.03578599715	1.0000E+00

Wjets_lv

Description	DSID range					
Baseline						
Sherpa_2211_Wev	700338-700341 ↗					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
700338	Sh_2211_Wenu_maxHTpTV2_BFilter	e8351	119730000	21742.0	1.0	9.3902E-03
700339	Sh_2211_Wenu_maxHTpTV2_CFilterBVeto	e8351	307500000	21742.0	1.0	1.4699E-01
700340	Sh_2211_Wenu_maxHTpTV2_CVetoBVeto	e8351	616000000	21742.0	1.0	8.4360E-01
700341	Sh_2211_Wmunu_maxHTpTV2_BFilter	e8351	124690000	21806.0	1.0	9.2309E-03
Sherpa_2211_Wmv	700342-700344 ↗					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
700342	Sh_2211_Wmunu_maxHTpTV2_CFilterBVeto	e8351	307480000	21806.0	1.0	1.4722E-01
700343	Sh_2211_Wmunu_maxHTpTV2_CVetoBVeto	e8351	616000000	21806.0	1.0	8.4355E-01
700344	Sh_2211_Wtaunu_L_maxHTpTV2_BFilter	e8351	33800000	7680.0	1.0	9.0177E-03
Sherpa_2211_Wtv	700345-700349 ↗					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
700345	Sh_2211_Wtaunu_L_maxHTpTV2_CFilterBVeto	e8351	76700000	7680.0	1.0	1.4343E-01
700346	Sh_2211_Wtaunu_L_maxHTpTV2_CVetoBVeto	e8351	142000000	7680.0	1.0	8.4747E-01
700347	Sh_2211_Wtaunu_H_maxHTpTV2_BFilter	e8351	15110000	14126.0	1.0	9.1596E-03
700348	Sh_2211_Wtaunu_H_maxHTpTV2_CFilterBVeto	e8351	30700000	14126.0	1.0	1.4337E-01
700349	Sh_2211_Wtaunu_H_maxHTpTV2_CVetoBVeto	e8351	142000000	14126.0	1.0	8.4746E-01
Superseded						
Sherpa_221_Wenu	364170-364183 ↗					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364170	Sherpa_221_NNPDF30NNLO_Wenu_MAXHEFT4012076000BVeto	EP14012076000BVeto	1176000	1556.0	0.9702	8.2463E-01
364171	Sherpa_221_NNPDF30NNLO_Wenu_MAXHEFT40127085500BVeto	EP140127085500BVeto	127085500	1145.0	0.9702	1.3023E-01
364172	Sherpa_221_NNPDF30NNLO_Wenu_MAXHEFT40137017500BVeto	EP140137017500BVeto	137017500	9143.0	0.9702	4.4052E-02
364173	Sherpa_221_NNPDF30NNLO_Wenu_MAXHEFT40157934500BVeto	EP140157934500BVeto	157934500	9435.0	0.9702	6.7481E-01
364174	Sherpa_221_NNPDF30NNLO_Wenu_MAXHEFT40173880700BVeto	EP140173880700BVeto	173880700	9463.0	0.9702	2.4145E-01
364175	Sherpa_221_NNPDF30NNLO_Wenu_MAXHEFT40175250150BVeto	EP140175250150BVeto	175250150	945.63	0.9702	8.3353E-02
364176	Sherpa_221_NNPDF30NNLO_Wenu_MAXHEFT40192485000BVeto	EP140192485000BVeto	192485000	366.89	0.9702	5.9867E-01
364177	Sherpa_221_NNPDF30NNLO_Wenu_MAXHEFT40208228000BVeto	EP140208228000BVeto	208228000	310.8	0.9702	2.8805E-01
364178	Sherpa_221_NNPDF30NNLO_Wenu_MAXHEFT40143458100BVeto	EP140143458100BVeto	143458100	310.69	0.9702	1.1089E-01
364179	Sherpa_221_NNPDF30NNLO_Wenu_MAXHEFT40225558000BVeto	EP140225558000BVeto	225558000	72.03	0.9702	5.4690E-01
364180	Sherpa_221_NNPDF30NNLO_Wenu_MAXHEFT40280730000BVeto	EP140280730000BVeto	280730000	71.105	0.9702	3.1969E-01
364181	Sherpa_221_NNPDF30NNLO_Wenu_MAXHEFT40285150500BVeto	EP140285150500BVeto	285150500	71.1	0.9702	1.3865E-01
364182	Sherpa_221_NNPDF30NNLO_Wenu_MAXHEFT4030068000	EP14030068000	30068000	15.05	0.9702	1.0000E+00
364183	Sherpa_221_NNPDF30NNLO_Wenu_MAXHEFT403009400MS	EP1403009400MS	3009400	2344	0.9702	1.0000E+00
Sherpa_221_Wmunu	364156-364169 ↗					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff

364156	Sherpa_221_NNP	PDF30NNLO_Wmunu_MAX	15340	908790000	10.8560	0.9702	8.2465E-01
364157	Sherpa_221_NNP	PDF30NNLO_Wmunu_MAX	15340	827705000	10.1570	0.9702	1.3022E-01
364158	Sherpa_221_NNP	PDF30NNLO_Wmunu_MAX	15340	808291400	10.143.0	0.9702	4.5196E-02
364159	Sherpa_221_NNP	PDF30NNLO_Wmunu_MAX	15340	730214000	9.4509	0.9702	6.7432E-01
364160	Sherpa_221_NNP	PDF30NNLO_Wmunu_MAX	15340	489562000	9.4618	0.9702	2.4357E-01
364161	Sherpa_221_NNP	PDF30NNLO_Wmunu_MAX	15340	170814000	9.4496	0.9702	8.4417E-02
364162	Sherpa_221_NNP	PDF30NNLO_Wmunu_MAX	15340	92469080	3.3270	0.9702	5.9995E-01
364163	Sherpa_221_NNP	PDF30NNLO_Wmunu_MAX	15340	51880080	3.5918	0.9702	2.9256E-01
364164	Sherpa_221_NNP	PDF30NNLO_Wmunu_MAX	15340	124082800	3.59167	0.9702	1.0897E-01
364165	Sherpa_221_NNP	PDF30NNLO_Wmunu_MAX	15340	22853500	2.3088	0.9702	5.4780E-01
364166	Sherpa_221_NNP	PDF30NNLO_Wmunu_MAX	15340	42826500	2.7109	0.9702	3.2014E-01
364167	Sherpa_221_NNP	PDF30NNLO_Wmunu_MAX	15340	23883650	3.5063	0.9702	1.3137E-01
364168	Sherpa_221_NNP	PDF30NNLO_Wmunu_MAX	15340	250670000	15.01	0.9702	1.0000E+00
364169	Sherpa_221_NNP	PDF30NNLO_Wmunu_MAX	15340	9650000	CM2347	0.9702	1.0000E+00
Sherpa_221_Wtaunu		364184-364197					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff	
364184	Sherpa_221_NNP	PDF30NNLO_Wtaunu_MAX	15340	102763000	10.8550	0.9702	8.2460E-01
364185	Sherpa_221_NNP	PDF30NNLO_Wtaunu_MAX	15340	78086000	10.1540	0.9702	1.2973E-01
364186	Sherpa_221_NNP	PDF30NNLO_Wtaunu_MAX	15340	86070800	10.147.0	0.9702	4.5100E-02
364187	Sherpa_221_NNP	PDF30NNLO_Wtaunu_MAX	15340	736594000	9.4588	0.9702	6.7560E-01
364188	Sherpa_221_NNP	PDF30NNLO_Wtaunu_MAX	15340	490994000	9.4668	0.9702	2.4213E-01
364189	Sherpa_221_NNP	PDF30NNLO_Wtaunu_MAX	15340	47099450	9.4631	0.9702	8.4410E-02
364190	Sherpa_221_NNP	PDF30NNLO_Wtaunu_MAX	15340	73409280	3.3269	0.9702	5.9884E-01
364191	Sherpa_221_NNP	PDF30NNLO_Wtaunu_MAX	15340	4409280	3.59184	0.9702	2.8478E-01
364192	Sherpa_221_NNP	PDF30NNLO_Wtaunu_MAX	15340	124672800	3.59167	0.9702	1.0681E-01
364193	Sherpa_221_NNP	PDF30NNLO_Wtaunu_MAX	15340	22800500	2.3078	0.9702	5.6172E-01
364194	Sherpa_221_NNP	PDF30NNLO_Wtaunu_MAX	15340	42801600	2.7109	0.9702	3.1863E-01
364195	Sherpa_221_NNP	PDF30NNLO_Wtaunu_MAX	15340	22883500	3.5064	0.9702	1.3597E-01
364196	Sherpa_221_NNP	PDF30NNLO_Wtaunu_MAX	15340	250670000	15.053	0.9702	1.0000E+00
364197	Sherpa_221_NNP	PDF30NNLO_Wtaunu_MAX	15340	9689800	CM2343	0.9702	1.0000E+00

Zinc_II

Description	DSID range					
Baseline						
PowhegPythia_Zee	361106					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
361106	PowhegPythia8EvtGen_AZNLOCTEQ601_Zee	124268000	1901.1	1.02600047339	1.02600047339	1.0000E+00
PowhegPythia_Zmumu	361107					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
361107	PowhegPythia8EvtGen_AZNLOCTEQ601_Zmumu	124268000	1901.1	1.02605444217	1.02605444217	1.0000E+00
PowhegPythia_Ztautau	361108					
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
361108	PowhegPythia8EvtGen_AZNLOCTEQ601_Ztautau	124268000	1901.1	1.02605444217	1.02605444217	1.0000E+00

Zjets_II

Description		DSID range				
Baseline						
Sherpa_2211_Zee		700320-700322 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
700320	Sh_2211_Zee_maxHTpTV2_BFilter	e8351	139800000	2221.2	1.0	2.4945E-02
700321	Sh_2211_Zee_maxHTpTV2_CFilterBVeto	e8351	249600000	2221.2	1.0	1.2905E-01
700322	Sh_2211_Zee_maxHTpTV2_CVetoBVeto	e8351	335000000	2221.2	1.0	8.4607E-01
Sherpa_2211_Zmm		700323-700325 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
700323	Sh_2211_Zmumu_maxHTpTV2_BFilter	e8351	142600000	2221.3	1.0	2.4427E-02
700324	Sh_2211_Zmumu_maxHTpTV2_CFilterBVeto	e8351	245190000	2221.3	1.0	1.2937E-01
700325	Sh_2211_Zmumu_maxHTpTV2_CVetoBVeto	e8351	335000000	2221.3	1.0	8.4639E-01
Sherpa_2211_Ztt		700326-700334 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
700326	Sh_2211_Ztautau_LL_maxHTpTV2_BFilter	e8351	70995000	275.33	1.0	2.4289E-02
700327	Sh_2211_Ztautau_LL_maxHTpTV2_CFilterBVeto	e8351	97800000	275.33	1.0	1.2540E-01
700328	Sh_2211_Ztautau_LL_maxHTpTV2_CVetoBVeto	e8351	48000000	275.33	1.0	8.5036E-01
700329	Sh_2211_Ztautau_LH_maxHTpTV2_BFilter	e8351	70990000	1013.2	1.0	2.4395E-02
700330	Sh_2211_Ztautau_LH_maxHTpTV2_CFilterBVeto	e8351	84600000	1013.2	1.0	1.2542E-01
700331	Sh_2211_Ztautau_LH_maxHTpTV2_CVetoBVeto	e8351	48000000	1013.2	1.0	8.5022E-01
700332	Sh_2211_Ztautau_HH_maxHTpTV2_BFilter	e8351	56695000	932.53	1.0	2.4585E-02
700333	Sh_2211_Ztautau_HH_maxHTpTV2_CFilterBVeto	e8351	68545000	932.53	1.0	1.2536E-01
700334	Sh_2211_Ztautau_HH_maxHTpTV2_CVetoBVeto	e8351	30000000	932.53	1.0	8.5004E-01
Sherpa_2211_Zvv		700335-700337 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
700335	Sh_2211_Znumu_pTV2_BFilter	e8351	71300000	447.13	1.0	8.4176E-02
700336	Sh_2211_Znumu_pTV2_CFilterBVeto	e8351	85000000	447.13	1.0	2.0291E-01
700337	Sh_2211_Znumu_pTV2_CVetoBVeto	e8351	130900000	447.13	1.0	7.1257E-01
Sherpa_221_Zee_mll10_40		364209 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364209	Sherpa_221_NN30NNLO_Zee_Mll10_40_Me5421122BV100_E3CMS_BFilter	e8351	972000	3.252	0.9751	1.5351E-01
Sherpa_221_Zmumu_Mll10_40		364198-364203 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364198	Sherpa_221_NN30NNLO_Zmm_Mll10_40_Me5421122BV100_BMet3	e8351	972000	3.252	0.9751	9.6536E-01
364199	Sherpa_221_NN30NNLO_Zmm_Mll10_40_Me5421122BV100_BFilter	e8351	972000	3.252	0.9751	3.4445E-02
364200	Sherpa_221_NN30NNLO_Zmm_Mll10_40_Me5421122BV100_BVeto	e8351	972000	3.252	0.9751	8.9306E-01
364201	Sherpa_221_NN30NNLO_Zmm_Mll10_40_Me5421122BV100_BFilter	e8351	972000	3.252	0.9751	1.1212E-01
364202	Sherpa_221_NN30NNLO_Zmm_Mll10_40_Me5421122BV100_B3CMS_BVeto	e8351	972000	3.252	0.9751	8.5373E-01
364203	Sherpa_221_NN30NNLO_Zmm_Mll10_40_Me5421122BV100_B3CMS_BFilter	e8351	972000	3.252	0.9751	1.6027E-01
Sherpa_221_Ztautau_Mll10_40		364210-364215 ↗				
DSID	Description	etag	nEvents		k-factor	filtEff

				crossSection [pb]		
364210	Sherpa_221_NN30NNLO_Ztt_Mll10_40_MA	8542P	2709200B	246.0	0.9751	9.6534E-01
364211	Sherpa_221_NN30NNLO_Ztt_Mll10_40_MA	8542P	549800BF	244.4	0.9751	3.4676E-02
364212	Sherpa_221_NN30NNLO_Ztt_Mll10_40_MA	8542P	87870280	50.376	0.9751	8.9310E-01
364213	Sherpa_221_NN30NNLO_Ztt_Mll10_40_MA	8542P	87402080	50.464	0.9751	0.10985
364214	Sherpa_221_NN30NNLO_Ztt_Mll10_40_MA	8542P	TV5800E	CMS_Veto	0.9751	8.5552E-01
364215	Sherpa_221_NN30NNLO_Ztt_Mll10_40_MA	8542P	TV8280E	CMS_Filter	0.9751	1.5581E-01
Specialised						
Sherpa_221_Znuu		366010-366017,366019-366026,366028-366035				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
366010	Sh_221_NN30NNLO_Znuu_PTV70_100_BF	6695	27024399	275.21	0.9728	7.6979E-02
366011	Sh_221_NN30NNLO_Znuu_PTV100_140_M	6695	1084916r	109.1	0.9728	9.1477E-02
366012	Sh_221_NN30NNLO_Znuu_PTV100_140_M	6695	128000B	4.5514	0.9728	1.2478E-01
366013	Sh_221_NN30NNLO_Znuu_PTV100_140_M	6695	47902MS	BE2029	0.9728	1.1405E-01
366014	Sh_221_NN30NNLO_Znuu_PTV140_280_M	6695	1033BF23r	51.779	0.9728	1.0208E-01
366015	Sh_221_NN30NNLO_Znuu_PTV140_280_M	6695	158948B	4.4678	0.9728	1.2876E-01
366016	Sh_221_NN30NNLO_Znuu_PTV140_280_M	6695	51562MS	BB76r	0.9728	1.1958E-01
366017	Sh_221_NN30NNLO_Znuu_PTV280_500_B	6695	1979996	4.2467	0.9728	1.1401E-01
366019	Sh_221_NN30NNLO_Znuu_PTV70_100_C	703	10699500	275.19	0.9728	2.0839E-01
366020	Sh_221_NN30NNLO_Znuu_PTV100_140_M	703	2052000r	BE1042	0.9728	2.2161E-01
366021	Sh_221_NN30NNLO_Znuu_PTV100_140_M	703	1930000	4.55Veto	0.9728	2.7400E-01
366022	Sh_221_NN30NNLO_Znuu_PTV100_140_M	703	62B00MS	CE2024B	0.9728	2.7596E-01
366023	Sh_221_NN30NNLO_Znuu_PTV140_280_M	703	392000r	BE774	0.9728	2.3406E-01
366024	Sh_221_NN30NNLO_Znuu_PTV140_280_M	703	1100000	4.45Veto	0.9728	2.7879E-01
366025	Sh_221_NN30NNLO_Znuu_PTV140_280_M	703	73B00MS	CB765B	0.9728	2.8316E-01
366026	Sh_221_NN30NNLO_Znuu_PTV280_500_C	703	3127395	4.2483	0.9728	2.5549E-01
366028	Sh_221_NN30NNLO_Znuu_PTV70_100_C	703	78397000	275.22	0.9728	7.0804E-01
366029	Sh_221_NN30NNLO_Znuu_PTV100_140_M	703	39200000	BE1014	0.9728	6.9116E-01
366030	Sh_221_NN30NNLO_Znuu_PTV100_140_M	703	2730000	4.55Veto	0.9728	6.0279E-01
366031	Sh_221_NN30NNLO_Znuu_PTV100_140_M	703	78B00MS	C.V022B	0.9728	6.1087E-01
366032	Sh_221_NN30NNLO_Znuu_PTV140_280_M	703	109600000	BE778	0.9728	6.6474E-01
366033	Sh_221_NN30NNLO_Znuu_PTV140_280_M	703	2850000	4.45Veto	0.9728	5.9260E-01
366034	Sh_221_NN30NNLO_Znuu_PTV140_280_M	703	18B00MS	C.V765B	0.9728	5.9955E-01
366035	Sh_221_NN30NNLO_Znuu_PTV280_500_C	703	3130000	4.2499	0.9728	6.3057E-01
Superseded						
Sherpa_221_Wenu_pTV		364226-364227				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364226	Sherpa_221_NNP30NNLO_Wenu_PTV500	5026	14606200	0.40064	1.0	1.0000E+00
364227	Sherpa_221_NNP30NNLO_Wenu_PTV100	5026	1193600	0.0078159	1.0	1.0000E+00
Sherpa_221_Wmunu_pTV		364224-364225				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364224	Sherpa_221_NNP30NNLO_Wmunu_PTV500	5026	104385600	0.39945	1.0	1.0000E+00
364225	Sherpa_221_NNP30NNLO_Wmunu_PTV100	5026	10715900	0.007875	1.0	1.0000E+00
Sherpa_221_Wtaunu_pTV		364228-364229				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364228	Sherpa_221_NNP30NNLO_Wtaunu_PTV500	5026	104383000	0.40054	1.0	1.0000E+00

364229	Sherpa_221_NNP30NNLO_Wtaunu_PTV100026	791800	0.0077946	1.0	1.0000E+00	
Sherpa_221_Zee		364114-364127				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364114	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	70295000	1981.6	0.9751	8.2118E-01	
364115	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	70556000	1981.7	0.9751	1.1387E-01	
364116	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	70387000	1982.0	0.9751	6.5756E-02	
364117	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	28451500	10.46	0.9751	6.9275E-01	
364118	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	78252000	10.46	0.9751	1.9068E-01	
364119	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	28490300	10.46	0.9751	1.1547E-01	
364120	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	14280000	10.46	0.9751	6.1615E-01	
364121	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	11789800	10.46	0.9751	2.3209E-01	
364122	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	42881000	10.675	0.9751	1.5238E-01	
364123	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	79500000	6.6703	0.9751	5.6349E-01	
364124	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	39890000	6.6703	0.9751	2.6531E-01	
364125	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	15628700	6.6799	0.9751	1.7578E-01	
364126	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	11700800	1.8087	0.9751	1.0000E+00	
364127	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	39197000	0.14875	0.9751	1.0000E+00	
Sherpa_221_Zee_Mll130		364235-364237				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364235	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	73506000	0.4569	1.0	1.0000E+00	
364236	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	54896000	0.33663	1.0	1.0000E+00	
364237	Sherpa_221_NNP30NNLO_Zee_MAXHTF5299	18286000	0.003074	1.0	1.0000E+00	
Sherpa_221_Zee_pTV		364218-364219				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364218	Sherpa_221_NNP30NNLO_Zee_PTV500	63026	10831700	0.059166	1.0	1.0000E+00
364219	Sherpa_221_NNP30NNLO_Zee_PTV1000	562055	40300	0.0011795	1.0	1.0000E+00
Sherpa_221_Zmumu		364100-364113				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364100	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	30230000	1981.5	0.9751	8.2142E-01	
364101	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	79500000	1981.7	0.9751	1.1319E-01	
364102	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	30270200	1981.5	0.9751	6.5069E-02	
364103	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	79184000	10.46	0.9751	6.8992E-01	
364104	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	78064000	10.46	0.9751	1.9027E-01	
364105	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	77024800	10.46	0.9751	1.1735E-01	
364106	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	44900800	10.46	0.9751	5.9942E-01	
364107	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	87498080	10.46	0.9751	2.3359E-01	
364108	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	48422800	10.46	0.9751	1.5570E-01	
364109	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	78865000	10.46	0.9751	5.6023E-01	
364110	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	32890500	10.46	0.9751	2.6577E-01	
364111	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	38059000	1.7458	0.9751	1.7458E-01	
364112	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	58095000	1.7872	0.9751	1.0000E+00	
364113	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	39084000	0.14761	0.9751	1.0000E+00	
Sherpa_221_Zmumu_Mll130		364231-364233				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364231	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	73800500	0.4567	1.0	1.0000E+00	
364232	Sherpa_221_NNP30NNLO_Zmumu_MAXHTF5299	54898000	0.33604	1.0	1.0000E+00	

364233	Sherpa_221_NNP30NNLO_Zmumu_MAX	55750	1890000	0.059234	1.0	1.0000E+00
Sherpa_221_Zmumu_pTV		364216-364217 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364216	Sherpa_221_NNP30NNLO_Zmumu_PTV5	55626	10899500	0.059234	1.0	1.0000E+00
364217	Sherpa_221_NNP30NNLO_Zmumu_PTV1	55626	721500	0.0011858	1.0	1.0000E+00
Sherpa_221_Znunu_pTV		364222-364223 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364222	Sherpa_221_NNP30NNLO_Znunu_PTV5	55626	11676200	0.3044	0.9728	1.0000E+00
364223	Sherpa_221_NNP30NNLO_Znunu_PTV10	55626	721500	0.0058558	0.9728	1.0000E+00
Sherpa_221_Ztautau		364128-364141 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364128	Sherpa_221_NNP30NNLO_Ztautau_MAX	55307	30270000	0.9751	0.9751	8.2128E-01
364129	Sherpa_221_NNP30NNLO_Ztautau_MAX	55307	19528500	0.9819	0.9751	1.0954E-01
364130	Sherpa_221_NNP30NNLO_Ztautau_MAX	55307	30280000	0.9819	0.9751	6.5752E-02
364131	Sherpa_221_NNP30NNLO_Ztautau_MAX	55307	23476000	0.9819	0.9751	6.9264E-01
364132	Sherpa_221_NNP30NNLO_Ztautau_MAX	55307	5828400	0.9819	0.9751	1.8905E-01
364133	Sherpa_221_NNP30NNLO_Ztautau_MAX	55307	29377300	0.9819	0.9751	1.1834E-01
364134	Sherpa_221_NNP30NNLO_Ztautau_MAX	55307	14640280	0.9819	0.9751	6.1697E-01
364135	Sherpa_221_NNP30NNLO_Ztautau_MAX	55307	11739280	0.9819	0.9751	2.3427E-01
364136	Sherpa_221_NNP30NNLO_Ztautau_MAX	55307	21502880	0.9819	0.9751	1.5595E-01
364137	Sherpa_221_NNP30NNLO_Ztautau_MAX	55307	31209800	0.9819	0.9751	5.6407E-01
364138	Sherpa_221_NNP30NNLO_Ztautau_MAX	55307	32393500	0.9819	0.9751	2.6426E-01
364139	Sherpa_221_NNP30NNLO_Ztautau_MAX	55307	72801500	0.9819	0.9751	1.7623E-01
364140	Sherpa_221_NNP30NNLO_Ztautau_MAX	55307	150388000	1.8081	0.9751	1.0000E+00
364141	Sherpa_221_NNP30NNLO_Ztautau_MAX	55307	3920000	0.9819	0.9751	1.0000E+00
Sherpa_221_Ztautau_pTV		364220-364221 ↗				
DSID	Description	etag	nEvents	crossSection [pb]	k-factor	filtEff
364220	Sherpa_221_NNP30NNLO_Ztautau_PTV5	55626	10979400	0.058904	1.0	1.0000E+00
364221	Sherpa_221_NNP30NNLO_Ztautau_PTV1	55626	721500	0.001184	1.0	1.0000E+00

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