

	Process	Xsec	MC sample
	hh	0.027343	mc16_13TeV.346218.aMcAtNloHerwig7EvtGen_UUEE5_CTEQ6L1_CT10ME_hh_WWbb_ll.deriv.DAOD_SUSY2.e6949_a875_r9364_p3703
	tt	729.77	mc16_13TeV.410472.PhPy8EG_A14_ttbar_hdamp258p75_dil.deriv.DAOD_SUSY2.e6348_s3126_r9364_p3703
not in table not in table not in table not in table	single top	2.027	mc16_13TeV.410644.PowhegPythia8EvtGen_A14_singletop_schan_lept_top.deriv.DAOD_SUSY2.e6527_s3126_r9364_p3703
		1.2674	mc16_13TeV.410645.PowhegPythia8EvtGen_A14_singletop_schan_lept_antitop.deriv.DAOD_SUSY2.e6527_s3126_r9364_p3703
		36.996	mc16_13TeV.410658.PhPy8EG_A14_tchan_BW50_lept_top.deriv.DAOD_SUSY2.e6671_s3126_r9364_p3703
		22.175	mc16_13TeV.410659.PhPy8EG_A14_tchan_BW50_lept_antitop.deriv.DAOD_SUSY2.e6671_s3126_r9364_p3703
	total	62.4654	
	Wt	3.997	mc16_13TeV.410648.PowhegPythia8EvtGen_A14_Wt_DR_dilepton_top.deriv.DAOD_SUSY2.e6615_s3126_r9364_p3703
missing in I.o.s.		3.9939	mc16_13TeV.410649.PowhegPythia8EvtGen_A14_Wt_DR_dilepton_antitop.deriv.DAOD_SUSY2.e6615_a875_r9364_p3703
missing in I.o.s.		3.8902	
		3.9665	
	total	15.8476	
	Z+jets	1982.4	mc16_13TeV.364100.Sherpa_221_NNPDF30NNLO_Zmumu_MAXHTPTV0_70_CVetoBVeto.deriv.DAOD_SUSY2.e5271_s3126_r9364_p3703
		1982.1	mc16_13TeV.364101.Sherpa_221_NNPDF30NNLO_Zmumu_MAXHTPTV0_70_CFilterBVeto.deriv.DAOD_SUSY2.e5271_s3126_r9364_p3703
		1981.5	mc16_13TeV.364102.Sherpa_221_NNPDF30NNLO_Zmumu_MAXHTPTV0_70_BFilter.deriv.DAOD_SUSY2.e5271_s3126_r9364_p3703
		109.14	mc16_13TeV.364103.Sherpa_221_NNPDF30NNLO_Zmumu_MAXHTPTV0_140_CVetoBVeto.deriv.DAOD_SUSY2.e5271_s3126_r9364_p3703
		108.81	mc16_13TeV.364104.Sherpa_221_NNPDF30NNLO_Zmumu_MAXHTPTV0_140_CFilterBVeto.deriv.DAOD_SUSY2.e5271_s3126_r9364_p3703
		108.98	mc16_13TeV.364105.Sherpa_221_NNPDF30NNLO_Zmumu_MAXHTPTV0_140_BFilter.deriv.DAOD_SUSY2.e5271_s3126_r9364_p3703
		39.87	mc16_13TeV.364106.Sherpa_221_NNPDF30NNLO_Zmumu_MAXHTPTV140_280_CVetoBVeto.deriv.DAOD_SUSY2.e5271_s3126_r9364_p3703
		39.857	mc16_13TeV.364107.Sherpa_221_NNPDF30NNLO_Zmumu_MAXHTPTV140_280_CFilterBVeto.deriv.DAOD_SUSY2.e5271_s3126_r9364_p3703
		39.891	mc16_13TeV.364108.Sherpa_221_NNPDF30NNLO_Zmumu_MAXHTPTV140_280_BFilter.deriv.DAOD_SUSY2.e5271_s3126_r9364_p3703
		8.5256	mc16_13TeV.364109.Sherpa_221_NNPDF30NNLO_Zmumu_MAXHTPTV280_500_CVetoBVeto.deriv.DAOD_SUSY2.e5271_s3126_r9364_p3703
		8.5259	mc16_13TeV.364110.Sherpa_221_NNPDF30NNLO_Zmumu_MAXHTPTV280_500_CFilterBVeto.deriv.DAOD_SUSY2.e5271_s3126_r9364_p3703
		8.5273	mc16_13TeV.364111.Sherpa_221_NNPDF30NNLO_Zmumu_MAXHTPTV280_500_BFilter.deriv.DAOD_SUSY2.e5271_s3126_r9364_p3703
		1.7871	mc16_13TeV.364112.Sherpa_221_NNPDF30NNLO_Zmumu_MAXHTPTV500_1000.deriv.DAOD_SUSY2.e5271_s3126_r9364_p3703
		0.1476	mc16_13TeV.364113.Sherpa_221_NNPDF30NNLO_Zmumu_MAXHTPTV1000_E_CMS.deriv.DAOD_SUSY2.e5271_s3126_r9364_p3703
		1981.6	mc16_13TeV.364114.Sherpa_221_NNPDF30NNLO_Zee_MAXHTPTV0_70_CVetoBVeto.deriv.DAOD_SUSY2.e5299_s3126_r9364_p3703
		1981.5	mc16_13TeV.364115.Sherpa_221_NNPDF30NNLO_Zee_MAXHTPTV0_70_CFilterBVeto.deriv.DAOD_SUSY2.e5299_s3126_r9364_p3703
		1982	mc16_13TeV.364116.Sherpa_221_NNPDF30NNLO_Zee_MAXHTPTV0_70_BFilter.deriv.DAOD_SUSY2.e5299_s3126_r9364_p3703
		110.65	mc16_13TeV.364117.Sherpa_221_NNPDF30NNLO_Zee_MAXHTPTV0_140_CVetoBVeto.deriv.DAOD_SUSY2.e5299_s3126_r9364_p3703
		110.5	mc16_13TeV.364118.Sherpa_221_NNPDF30NNLO_Zee_MAXHTPTV0_140_CFilterBVeto.deriv.DAOD_SUSY2.e5299_s3126_r9364_p3703
		110.46	mc16_13TeV.364119.Sherpa_221_NNPDF30NNLO_Zee_MAXHTPTV0_140_BFilter.deriv.DAOD_SUSY2.e5299_s3126_r9364_p3703
		40.645	mc16_13TeV.364120.Sherpa_221_NNPDF30NNLO_Zee_MAXHTPTV140_280_CVetoBVeto.deriv.DAOD_SUSY2.e5299_s3126_r9364_p3703
		40.671	mc16_13TeV.364121.Sherpa_221_NNPDF30NNLO_Zee_MAXHTPTV140_280_CFilterBVeto.deriv.DAOD_SUSY2.e5299_s3126_r9364_p3703
		40.674	mc16_13TeV.364122.Sherpa_221_NNPDF30NNLO_Zee_MAXHTPTV140_280_BFilter.deriv.DAOD_SUSY2.e5299_s3126_r9364_p3703
		8.6701	mc16_13TeV.364123.Sherpa_221_NNPDF30NNLO_Zee_MAXHTPTV280_500_CVetoBVeto.deriv.DAOD_SUSY2.e5299_s3126_r9364_p3703
		8.6668	mc16_13TeV.364124.Sherpa_221_NNPDF30NNLO_Zee_MAXHTPTV280_500_CFilterBVeto.deriv.DAOD_SUSY2.e5299_s3126_r9364_p3703
		8.6812	mc16_13TeV.364125.Sherpa_221_NNPDF30NNLO_Zee_MAXHTPTV280_500_BFilter.deriv.DAOD_SUSY2.e5299_s3126_r9364_p3703
		1.8092	mc16_13TeV.364126.Sherpa_221_NNPDF30NNLO_Zee_MAXHTPTV500_1000.deriv.DAOD_SUSY2.e5299_s3126_r9364_p3703
		0.14875	mc16_13TeV.364127.Sherpa_221_NNPDF30NNLO_Zee_MAXHTPTV1000_E_CMS.deriv.DAOD_SUSY2.e5299_s3126_r9364_p3703
		1981.7	mc16_13TeV.364128.Sherpa_221_NNPDF30NNLO_Ztautau_MAXHTPTV0_70_CVetoBVeto.deriv.DAOD_SUSY2.e5307_s3126_r9364_p3703
		1981.7	mc16_13TeV.364129.Sherpa_221_NNPDF30NNLO_Ztautau_MAXHTPTV0_70_CFilterBVeto.deriv.DAOD_SUSY2.e5307_s3126_r9364_p3703
		1982.1	mc16_13TeV.364130.Sherpa_221_NNPDF30NNLO_Ztautau_MAXHTPTV0_70_BFilter.deriv.DAOD_SUSY2.e5307_s3126_r9364_p3703
		110.61	mc16_13TeV.364131.Sherpa_221_NNPDF30NNLO_Ztautau_MAXHTPTV0_140_CVetoBVeto.deriv.DAOD_SUSY2.e5307_s3126_r9364_p3703
		110.46	mc16_13TeV.364132.Sherpa_221_NNPDF30NNLO_Ztautau_MAXHTPTV0_140_CFilterBVeto.deriv.DAOD_SUSY2.e5307_s3126_r9364_p3703
		110.66	mc16_13TeV.364133.Sherpa_221_NNPDF30NNLO_Ztautau_MAXHTPTV0_140_BFilter.deriv.DAOD_SUSY2.e5307_s3126_r9364_p3703
		40.756	mc16_13TeV.364134.Sherpa_221_NNPDF30NNLO_Ztautau_MAXHTPTV140_280_CVetoBVeto.deriv.DAOD_SUSY2.e5307_s3126_r9364_p3703
		40.716	mc16_13TeV.364135.Sherpa_221_NNPDF30NNLO_Ztautau_MAXHTPTV140_280_CFilterBVeto.deriv.DAOD_SUSY2.e5307_s3126_r9364_p3703
		40.746	mc16_13TeV.364136.Sherpa_221_NNPDF30NNLO_Ztautau_MAXHTPTV140_280_BFilter.deriv.DAOD_SUSY2.e5307_s3126_r9364_p3703
		8.6639	mc16_13TeV.364137.Sherpa_221_NNPDF30NNLO_Ztautau_MAXHTPTV280_500_CVetoBVeto.deriv.DAOD_SUSY2.e5307_s3126_r9364_p3703
		8.676	mc16_13TeV.364138.Sherpa_221_NNPDF30NNLO_Ztautau_MAXHTPTV280_500_CFilterBVeto.deriv.DAOD_SUSY2.e5313_s3126_r9364_p3703
		8.6795	mc16_13TeV.364139.Sherpa_221_NNPDF30NNLO_Ztautau_MAXHTPTV280_500_BFilter.deriv.DAOD_SUSY2.e5313_s3126_r9364_p3703
		1.8078	mc16_13TeV.364140.Sherpa_221_NNPDF30NNLO_Ztautau_MAXHTPTV500_1000.deriv.DAOD_SUSY2.e5307_s3126_r9364_p3703
		0.14826	mc16_13TeV.364141.Sherpa_221_NNPDF30NNLO_Ztautau_MAXHTPTV1000_E_CMS.deriv.DAOD_SUSY2.e5307_s3126_r9364_p3703
	total	19274.16101	
	DY	2414.3	mc16_13TeV.364198.Sherpa_221_NN30NNLO_Zmm_Mll10_40_MAXHTPTV0_70_BVeto.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		2414.2	mc16_13TeV.364199.Sherpa_221_NN30NNLO_Zmm_Mll10_40_MAXHTPTV0_70_BFilter.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		50.33	mc16_13TeV.364200.Sherpa_221_NN30NNLO_Zmm_Mll10_40_MAXHTPTV0_280_BVeto.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		50.29	mc16_13TeV.364201.Sherpa_221_NN30NNLO_Zmm_Mll10_40_MAXHTPTV0_280_BFilter.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		3.2398	mc16_13TeV.364202.Sherpa_221_NN30NNLO_Zmm_Mll10_40_MAXHTPTV280_E_CMS_BVeto.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		3.2813	mc16_13TeV.364203.Sherpa_221_NN30NNLO_Zmm_Mll10_40_MAXHTPTV280_E_CMS_BFilter.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		2415.3	mc16_13TeV.364204.Sherpa_221_NN30NNLO_Zee_Mll10_40_MAXHTPTV0_70_BVeto.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		2415.5	mc16_13TeV.364205.Sherpa_221_NN30NNLO_Zee_Mll10_40_MAXHTPTV0_70_BFilter.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		50.354	mc16_13TeV.364206.Sherpa_221_NN30NNLO_Zee_Mll10_40_MAXHTPTV0_280_BVeto.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		50.483	mc16_13TeV.364207.Sherpa_221_NN30NNLO_Zee_Mll10_40_MAXHTPTV0_280_BFilter.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		3.2539	mc16_13TeV.364208.Sherpa_221_NN30NNLO_Zee_Mll10_40_MAXHTPTV280_E_CMS_BVeto.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		3.2526	mc16_13TeV.364209.Sherpa_221_NN30NNLO_Zee_Mll10_40_MAXHTPTV280_E_CMS_BFilter.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		2416	mc16_13TeV.364210.Sherpa_221_NN30NNLO_Ztt_Mll10_40_MAXHTPTV0_70_BVeto.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		2414.4	mc16_13TeV.364211.Sherpa_221_NN30NNLO_Ztt_Mll10_40_MAXHTPTV0_70_BFilter.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		50.376	mc16_13TeV.364212.Sherpa_221_NN30NNLO_Ztt_Mll10_40_MAXHTPTV0_280_BVeto.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		50.466	mc16_13TeV.364213.Sherpa_221_NN30NNLO_Ztt_Mll10_40_MAXHTPTV0_280_BFilter.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		3.2852	mc16_13TeV.364214.Sherpa_221_NN30NNLO_Ztt_Mll10_40_MAXHTPTV280_E_CMS_BVeto.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
		3.2813	mc16_13TeV.364215.Sherpa_221_NN30NNLO_Ztt_Mll10_40_MAXHTPTV280_E_CMS_BFilter.deriv.DAOD_SUSY2.e5421_s3126_r9364_p3703
	total	14811.5931	
	W+jets	72.078	mc16_13TeV.364193.Sherpa_221_NNPDF30NNLO_Wtaunu_MAXHTPTV280_500_CVetoBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
		945.77	mc16_13TeV.364175.Sherpa_221_NNPDF30NNLO_Wenu_MAXHTPTV0_140_BFilter.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
		19144	mc16_13TeV.364186.Sherpa_221_NNPDF30NNLO_Wtaunu_MAXHTPTV0_70_BFilter.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
		946.23	mc16_13TeV.364188.Sherpa_221_NNPDF30NNLO_Wtaunu_MAXHTPTV0_140_CFilterBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
		945.71	mc16_13TeV.364189.Sherpa_221_NNPDF30NNLO_Wtaunu_MAXHTPTV0_140_BFilter.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
		72.091	mc16_13TeV.364181.Sherpa_221_NNPDF30NNLO_Wenu_MAXHTPTV280_500_BFilter.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
		945.38	mc16_13TeV.364160.Sherpa_221_NNPDF30NNLO_Wmumu_MAXHTPTV0_140_CFilterBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
		339.73	mc16_13TeV.364162.Sherpa_221_NNPDF30NNLO_Wmumu_MAXHTPTV140_280_CVetoBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
		339.31	mc16_13TeV.364192.Sherpa_221_NNPDF30NNLO_Wtaunu_MAXHTPTV140_280_BFilter.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
		339.8	mc16_13TeV.364163.Sherpa_221_NNPDF30NNLO_Wmumu_MAXHTPTV140_280_CFilterBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
		339.64	mc16_13TeV.364164.Sherpa_221_NNPDF30NNLO_Wmumu_MAXHTPTV140_280_BFilter.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
		72.079	mc16_13TeV.364165.Sherpa_221_NNPDF30NNLO_Wmumu_MAXHTPTV280_500_CVetoBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
		72.1	mc16_13TeV.364166.Sherpa_221_NNPDF30NNLO_Wmumu_MAXHTPTV280_500_CFilterBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703

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	72.058	mc16_13TeV.364167.Sherpa_221_NNPDF30NNLO_Wmunu_MAXHTPTV280_500_BFilter.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	19153	mc16_13TeV.364170.Sherpa_221_NNPDF30NNLO_Wenu_MAXHTPTV0_70_CVetoBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	1.2344	mc16_13TeV.364183.Sherpa_221_NNPDF30NNLO_Wenu_MAXHTPTV1000_E_CMS.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	19145	mc16_13TeV.364171.Sherpa_221_NNPDF30NNLO_Wenu_MAXHTPTV0_70_CFilterBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	19138	mc16_13TeV.364172.Sherpa_221_NNPDF30NNLO_Wenu_MAXHTPTV0_70_BFilter.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	15.006	mc16_13TeV.364168.Sherpa_221_NNPDF30NNLO_Wmunu_MAXHTPTV500_1000.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	1.2341	mc16_13TeV.364197.Sherpa_221_NNPDF30NNLO_Wtaunu_MAXHTPTV1000_E_CMS.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	1.2348	mc16_13TeV.364169.Sherpa_221_NNPDF30NNLO_Wmunu_MAXHTPTV1000_E_CMS.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	945.02	mc16_13TeV.364187.Sherpa_221_NNPDF30NNLO_Wtaunu_MAXHTPTV70_140_CVetoBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	19155	mc16_13TeV.364184.Sherpa_221_NNPDF30NNLO_Wtaunu_MAXHTPTV0_70_CVetoBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	339.75	mc16_13TeV.364176.Sherpa_221_NNPDF30NNLO_Wenu_MAXHTPTV140_280_CVetoBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	339.8	mc16_13TeV.364177.Sherpa_221_NNPDF30NNLO_Wenu_MAXHTPTV140_280_CFilterBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	339.64	mc16_13TeV.364178.Sherpa_221_NNPDF30NNLO_Wenu_MAXHTPTV140_280_BFilter.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	71.99	mc16_13TeV.364194.Sherpa_221_NNPDF30NNLO_Wtaunu_MAXHTPTV280_500_CFilterBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	72.074	mc16_13TeV.364179.Sherpa_221_NNPDF30NNLO_Wenu_MAXHTPTV280_500_CVetoBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	15.047	mc16_13TeV.364182.Sherpa_221_NNPDF30NNLO_Wenu_MAXHTPTV500_1000.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	19149	mc16_13TeV.364156.Sherpa_221_NNPDF30NNLO_Wmunu_MAXHTPTV0_70_CVetoBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	19149	mc16_13TeV.364185.Sherpa_221_NNPDF30NNLO_Wtaunu_MAXHTPTV0_70_CFilterBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	19138	mc16_13TeV.364158.Sherpa_221_NNPDF30NNLO_Wmunu_MAXHTPTV0_70_BFilter.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	19142	mc16_13TeV.364157.Sherpa_221_NNPDF30NNLO_Wmunu_MAXHTPTV0_70_CFilterBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	339.69	mc16_13TeV.364190.Sherpa_221_NNPDF30NNLO_Wtaunu_MAXHTPTV140_280_CVetoBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	944.98	mc16_13TeV.364173.Sherpa_221_NNPDF30NNLO_Wenu_MAXHTPTV70_140_CVetoBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	945.74	mc16_13TeV.364174.Sherpa_221_NNPDF30NNLO_Wenu_MAXHTPTV70_140_CFilterBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	15.052	mc16_13TeV.364196.Sherpa_221_NNPDF30NNLO_Wtaunu_MAXHTPTV500_1000.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	71.945	mc16_13TeV.364195.Sherpa_221_NNPDF30NNLO_Wtaunu_MAXHTPTV280_500_BFilter.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	72.105	mc16_13TeV.364180.Sherpa_221_NNPDF30NNLO_Wenu_MAXHTPTV280_500_CFilterBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	945.52	mc16_13TeV.364159.Sherpa_221_NNPDF30NNLO_Wmunu_MAXHTPTV70_140_CVetoBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
	339.84	mc16_13TeV.364191.Sherpa_221_NNPDF30NNLO_Wtaunu_MAXHTPTV140_280_CFilterBVeto.deriv.DAOD_SUSY2.e5340_s3126_r9364_p3703
total	183631.8783	
VV		
	4.5765	mc16_13TeV.364253.Sherpa_222_NNPDF30NNLO_lllv.deriv.DAOD_SUSY2.e5916_s3126_r9364_p3703
	12.501	mc16_13TeV.364254.Sherpa_222_NNPDF30NNLO_llvv.deriv.DAOD_SUSY2.e5916_s3126_r9364_p3703
	3.2344	mc16_13TeV.364255.Sherpa_222_NNPDF30NNLO_llvv.deriv.DAOD_SUSY2.e5916_s3126_r9364_p3703
	0.047168	mc16_13TeV.364284.Sherpa_222_NNPDF30NNLO_llvjlj_EW6.deriv.DAOD_SUSY2.e6055_s3126_r9364_p3703
	0.02521	mc16_13TeV.364286.Sherpa_222_NNPDF30NNLO_llvjlj_ss_EW4.deriv.DAOD_SUSY2.e6055_s3126_r9364_p3703
	1.4484	mc16_13TeV.364288.Sherpa_222_NNPDF30NNLO_llll_lowMIPtComplement.deriv.DAOD_SUSY2.e6096_s3126_r9364_p3703
	2.9708	mc16_13TeV.364289.Sherpa_222_NNPDF30NNLO_lllv_lowMIPtComplement.deriv.DAOD_SUSY2.e6133_s3126_r9364_p3703
total	24.803478	
tt + V		
	0.54822	mc16_13TeV.410155.aMcAtNloPythia8EvtGen_MEN30NLO_A14N23LO_ttW.deriv.DAOD_SUSY2.e5070_s3126_r9364_p3703
	0.15506	mc16_13TeV.410156.aMcAtNloPythia8EvtGen_MEN30NLO_A14N23LO_ttZnunu.deriv.DAOD_SUSY2.e5070_s3126_r9364_p3703
	0.52821	mc16_13TeV.410157.aMcAtNloPythia8EvtGen_MEN30NLO_A14N23LO_ttZqq.deriv.DAOD_SUSY2.e5070_s3126_r9364_p3703
	0.036865	mc16_13TeV.410218.aMcAtNloPythia8EvtGen_MEN30NLO_A14N23LO_ttee.deriv.DAOD_SUSY2.e5070_s3126_r9364_p3703
	0.036868	mc16_13TeV.410219.aMcAtNloPythia8EvtGen_MEN30NLO_A14N23LO_ttmumu.deriv.DAOD_SUSY2.e5070_s3126_r9364_p3703
	0.036555	mc16_13TeV.410220.aMcAtNloPythia8EvtGen_MEN30NLO_A14N23LO_tttatau.deriv.DAOD_SUSY2.e5070_s3126_r9364_p3703
total	1.341778	
single h		
	1.1021	mc16_13TeV.342284.Pythia8EvtGen_A14NNPDF23LO_WH125_inc.deriv.DAOD_SUSY2.e4246_s3126_r9364_p3703
	0.60072	mc16_13TeV.342285.Pythia8EvtGen_A14NNPDF23LO_ZH125_inc.deriv.DAOD_SUSY2.e4246_s3126_r9364_p3703
not in table	28.302	mc16_13TeV.345120.PowhegPy8EG_NNLOPS_nnlo_30_ggH125_tautaul1317.deriv.DAOD_SUSY2.e5814_s3126_r9364_p3703
	28.301	mc16_13TeV.345324.PowhegPythia8EvtGen_NNLOPS_NN30_ggH125_WWVlv_EF_15_5.deriv.DAOD_SUSY2.e5769_s3126_r9364_p3703
	0.051156	mc16_13TeV.345940.aMcAtNloPythia8EvtGen_tth_dilep.deriv.DAOD_SUSY2.e6654_a875_r9364_p3703
	total	58.356976