PYTHIA ttbar TopNtuples; JetProb cut is 0.01

CEM	0-jet	1-jet	2-jet	3-jet	≥4-jet	Total
Stage 0 INITIAL	590	10181	55178	129602	490418	685969
Stage 1 OBSV	568	9923	53658	125465	473741	663355
Stage 2 TRIGGER	568	9923	53658	125465	473741	663355
Stage 3 ≥1TLEP	164	2986	13241	19846	25798	62035
Stage 4 MET	153	2761	12066	17907	22581	55468
Stage 5 ISO	153	2728	11597	16425	18172	49075
Stage 6 !DILEP	71	1651	8511	15715	18031	43979
Stage 7 !Z	63	1531	7901	14960	17497	41952
Stage 8 !CONV	63	1526	7873	14897	17406	41765
Stage 9 !QCD	63	1475	7523	14172	16473	39706
Stage 10 !DIFFZ	63	1475	7522	14169	16473	39702
Stage 11 SI GOOD	63	1475	7522	14169	16473	39702
Stage 12 TAGGABLE	0	1122	6805	13380	15789	37096
Stage 13 ≥1+BTAG	0	537	3907	8255	10373	23072
Stage 14 ≥2+BTAG	0	0	735	1956	2968	5659
Stage 15 ≥1-BTAG	0	22	127	258	393	800
Stage 16 TAGGABLEJP+	0	1021	6489	13038	15565	36113
Stage 17 ≥1+JPBTAG	0	576	4258	9094	11521	25449
Stage 18 ≥2+JPBTAG	0	0	1005	2678	4111	7794
Stage 19 TAGGABLEJP-	0	702	5225	11647	14817	32391
Stage 20 ≥1-JPBTAG	0	91	758	1668	2258	4775
CMUP	0-jet	1-jet	2-jet	3-jet	≥4-jet	Total
Stage 0 INITIAL	590	10181	55178	129602	490418	685969
Stage 1 OBSV	568	9923	53658	125465	473741	663355
Stage 2 TRIGGER	568	9923	53658	125465	473741	663355
Stage 3 ≥1TLEP	146	1939	8398	12273	15215	37971
Stage 4 MET	132	1760	7626	10950	13445	33913
Stage 5 ISO	126	1682	7065	9710	11041	29624
Stage 6 !DILEP	70	973	5061	9250	10931	26285
Stage 7 !Z	61	904	4775	8970	10763	25473
Stage 8 !COSMIC	61	904	4775	8970	10763	25473
Stage 9 !QCD	61	870	4579	8472	10145	24127
Stage 10 !DIFFZ	61	870	4579	8472	10145	24127
Stage 11 SI GOOD	61	870	4579	8472	10145	24127
Stage 12 TAGGABLE	0	637	4139	7970	9776	22522
Stage 13 ≥1+BTAG	0	291	2361	4941	6332	13925
Stage 14 ≥2+BTAG	0	0	451	1149	1828	3428
Stage 15 ≥1-BTAG	0	8	74	156	232	470
Stage 16 TAGGABLEJP+	0	577	3918	7780	9630	21905
Stage 17 ≥1+JPBTAG	0	324	2555	5384	7073	15336
Stage 18 ≥2+JPBTAG	0	0	598	1568	2546	4712
Stage 19 TAGGABLEJP-	0	379	3187	6925	9163	19654
Stage 20 ≥1-JPBTAG	0	47	427	1006	1396	2876
CMX	0-jet	1-jet	2-jet	3-jet	≥4-jet	Total
Stage 0 INITIAL	590	10181	55178	129602	490418	685969
Stage 1 OBSV	568	9923	53658	125465	473741	663355
Stage 2 TRIGGER	568	9923	53658	125465	473741	663355
Stage 3 ≥1TLEP	57	723	3154	4485	5509	13928
Stage 4 MET	49	658	2869	4025	4887	12488
Stage 5 ISO	48	624	2660	3590	4083	11005
Stage 6 !DILEP	30	373	1906	3407	4042	9758
Stage 7 !Z	26	352	1805	3306	3965	9454
Stage 8 !COSMIC	26	352	1805	3306	3965	9454
Stage 9 !QCD	26	342	1713	3128	3722	8931
Stage 10 !DIFFZ	26	342	1713	3128	3722	8931
Stage 11 SI GOOD	26	342	1713	3128	3722	8931
Stage 12 TAGGABLE	0	247	1572	2989	3591	8399
Stage 13 ≥1+BTAG	0	120	927	1864	2402	5313
Stage 14 ≥2+BTAG	0	0	187	449	683	1319
Stage 15 ≥1-BTAG	0	3	19	50	89	161
Stage 16 TAGGABLEJP+	0	222	1508	2922	3540	8192
Stage 17 ≥1+JPBTAG	0	127	984	2050	2625	5786
Stage 18 ≥2+JPBTAG	0	0	238	611	913	1762
Stage 19 TAGGABLEJP-	0	147	1238	2602	3384	7371
Stage 20 ≥1-JPBTAG	0	22	162	408	577	1169

Acceptance for ttbar MC with ≥3 jets

Channel	Total	evqqbb	mvqqbb	tvqqbb	evevbb	mvmvbb	tvtvbb	evmvbb	evtvbb	mvtvbb	qqqqbb
CEM Stage 0 INITIAL	685969	100269	100668	99804	7945	8005	7939	16029	15808	15742	313760
Stage 1 OBSV	663355	96951	97292	96535	7701	7732	7672	15545	15305	15223	303399
Stage 2 TRIGGER	663355	96951	97292	96535	7701	7732	7672	15545	15305	15223	303399
Stage 3 ≥1TLEP	62035	38322	412	3444	4892	36	502	6358	6383	545	1141
Stage 4 MET	55468	34407	367	2967	4522	36	452	5871	5873	501	472
Stage 5 ISO	49075	30589	100	2365	4219	17	386	5438	5454	428	79
Stage 5 ≥3jets	34597	27068	82	2107	1690	4	161	1011	2309	86	79
Stage 6 !DILEP	33746	27039	62	2102	1428	2	159	594	2237	44	79
Stage 7 !Z	32457	26444	60	2068	1119	1	145	506	2002	35	77
Stage 8 !CONV	32303	26361	46	2051	1118	1	143	506	1998	34	45
Stage 9 !QCD	30645	24986	44	1922	1077	1	137	490	1922	33	33
Stage 10 !DIFFZ	30642	24984	44	1922	1077	1	137	490	1921	33	33
Stage 11 SI GOOD	30642	24984	44	1922	1077	1	137	490	1921	33	33
Stage 12 TAGGABLE	29169	23861	41	1830	989	1	128	465	1792	31	31
Stage 13 ≥1+BTAG	18628	15160	25	1153	683	0	81	307	1179	27	13
Stage 14 ≥2+BTAG	4924	4024	4	305	164	0	18	87	313	6	3
Stage 15 ≥1-BTAG	651	541	0	38	25	0	1	6	36	1	3
Stage 16 TAGGABLEJP+	28603	23428	42	1789	955	1	120	453	1754	31	30
Stage 17 ≥1+JPBTAG	20615	16816	28	1257	741	0	89	333	1310	24	17
Stage 18 ≥2+JPBTAG	6789	5485	9	405	264	0	28	116	468	8	6
Stage 19 TAGGABLEJP-	26464	21947	38	1675	796	1	100	403	1444	30	30
Stage 20 ≥1-JPBTAG	3926	3238	2	264	112	0	13	51	234	5	7
CMUP Stage 0 INITIAL	685969	100269	100668	99804	7945	8005	7939	16029	15808	15742	313760
Stage 1 OBSV	663355	96951	97292	96535	7701	7732	7672	15545	15305	15223	303399
Stage 2 TRIGGER	663355	96951	97292	96535	7701	7732	7672	15545	15305	15223	303399
Stage 3 ≥1TLEP	37971	164	23772	1894	10	3209	333	3869	324	3891	505
Stage 4 MET	33913	143	21070	1654	9	2929	295	3533	296	3583	401
Stage 5 ISO	29624	0	18520	1341	0	2740	259	3216	245	3301	2
Stage 5 ≥3jets	20751	0	16367	1198	0	539	98	1098	86	1363	2
Stage 6 !DILEP	20181	0	16350	1195	0	332	97	833	63	1309	2
Stage 7 !Z	19733	0	16149	1187	0	297	94	736	54	1214	2
Stage 8 !COSMIC	19733	0	16149	1187	0	297	94	736	54	1214	2
Stage 9 !QCD	18617	0	15221	1099	0	286	90	711	50	1158	2
Stage 10 !DIFFZ	18617	0	15221	1099	0	286	90	711	50	1158	2
Stage 11 SI GOOD	18617	0	15221	1099	0	286	90	711	50	1158	2
Stage 12 TAGGABLE	17746	0	14546	1053	0	269	85	656	47	1088	2
Stage 13 ≥1+BTAG	11273	0	9160	677	0	187	52	430	30	735	2
Stage 14 ≥2+BTAG	2977	0	2416	172	0	48	16	115	11	199	0
Stage 15 ≥1-BTAG	388	0	332	20	0	5	4	10	2	15	0
Stage 16 TAGGABLEJP+	17410	0	14275	1034	0	266	84	638	46	1065	2
Stage 17 ≥1+JPBTAG	12457	0	10152	749	0	190	58	470	32	804	2
Stage 18 ≥2+JPBTAG	4114	0	3330	256	0	62	21	145	11	287	2
Stage 19 TAGGABLEJP-	16088	0	13373	965	0	239	71	527	38	873	2
Stage 20 ≥1-JPBTAG	2402	0	2003	127	0	36	15	78	4	139	0
CMX Stage 0 INITIAL	685969	100269	100668	99804	7945	8005	7939	16029	15808	15742	313760
Stage 1 OBSV	663355	96951	97292	96535	7701	7732	7672	15545	15305	15223	303399
Stage 2 TRIGGER	663355	96951	97292	96535	7701	7732	7672	15545	15305	15223	303399
Stage 3 ≥1TLEP	13928	85	8645	690	4	1333	104	1305	103	1467	192
Stage 4 MET	12488	79	7695	608	4	1222	91	1190	92	1351	156
Stage 5 ISO	11005	3	6849	484	0	1145	78	1101	77	1268	0
Stage 5 ≥3jets	7673	2	6080	436	0	221	27	378	26	503	0
Stage 6 !DILEP	7449	1	6076	435	0	122	27	291	20	477	0
Stage 7 !Z	7271	1	6003	426	0	100	27	255	18	441	0
Stage 8 !COSMIC	7271	1	6003	426	0	100	27	255	18	441	0
Stage 9 !QCD	6850	1	5659	390	0	90	22	246	18	424	0
Stage 10 !DIFFZ	6850	1	5659	390	0	90	22	246	18	424	0
Stage 11 SI GOOD	6850	1	5659	390	0	90	22	246	18	424	0
Stage 12 TAGGABLE	6580	1	5445	376	0	85	22	233	17	401	0
Stage 13 ≥1+BTAG	4266	0	3492	235	0	61	16	166	11	285	0
Stage 14 ≥2+BTAG	1132	0	911	65	0	14	4	55	4	79	0
Stage 15 ≥1-BTAG	139	0	121	10	0	0	1	1	0	6	0
Stage 16 TAGGABLEJP+	6462	1	5348	367	0	85	22	230	15	394	0
Stage 17 ≥1+JPBTAG	4675	0	3827	268	0	68	15	171	10	316	0
Stage 18 ≥2+JPBTAG	1524	0	1226	89	0	24	6	62	4	113	0
Stage 19 TAGGABLEJP-	5986	1	5007	351	0	76	17	201	15	318	0
Stage 20 ≥1-JPBTAG	985	0	829	53	0	9	2	34	4	54	0

Acceptance for ttbar MC with $\geq$4 jets

Channel	Total	evqqbb	mvqqbb	tvqqbb	evevbb	mvmvbb	tvtvbb	evmvbb	evtvbb	mvtvbb	qqqqbb
CEM Stage 0 INITIAL	685969	100269	100668	99804	7945	8005	7939	16029	15808	15742	313760
Stage 1 OBSV	663355	96951	97292	96535	7701	7732	7672	15545	15305	15223	303399
Stage 2 TRIGGER	663355	96951	97292	96535	7701	7732	7672	15545	15305	15223	303399
Stage 3 $\geq$1TLEP	62035	38322	412	3444	4892	36	502	6358	6383	545	1141
Stage 4 $\overline{\text{MET}}$	55468	34407	367	2967	4522	36	452	5871	5873	501	472
Stage 5 ISO	49075	30589	100	2365	4219	17	386	5438	5454	428	79
Stage 5 $\geq$4jets	18172	15878	38	1192	332	0	26	172	447	17	70
Stage 6 !DILEP	18031	15867	32	1191	299	0	26	99	433	14	70
Stage 7 !Z	17497	15484	31	1170	239	0	23	85	385	12	68
Stage 8 !CONV	17406	15436	25	1161	239	0	23	85	385	11	41
Stage 9 !QCD	16473	14617	23	1085	231	0	22	81	374	10	30
Stage 10 !DIFFZ	16473	14617	23	1085	231	0	22	81	374	10	30
Stage 11 SI GOOD	16473	14617	23	1085	231	0	22	81	374	10	30
Stage 12 TAGGABLE	15789	14020	20	1038	217	0	21	79	357	9	28
Stage 13 $\geq$1+BTAG	10373	9211	15	684	151	0	10	51	232	7	12
Stage 14 $\geq$2+BTAG	2968	2645	2	207	37	0	3	14	57	1	2
Stage 15 $\geq$1-BTAG	393	352	0	25	6	0	0	0	8	0	2
Stage 16 TAGGABLEJP+	15565	13829	21	1022	209	0	20	79	349	9	27
Stage 17 $\geq$1+JPBTAG	11521	10253	17	736	168	0	13	54	258	6	16
Stage 18 $\geq$2+JPBTAG	4111	3636	5	278	61	0	4	17	102	3	5
Stage 19 TAGGABLEJP-	14817	13164	20	980	197	0	20	74	326	9	27
Stage 20 $\geq$1-JPBTAG	2258	1991	0	157	27	0	3	12	62	0	6
CMUP Stage 0 INITIAL	685969	100269	100668	99804	7945	8005	7939	16029	15808	15742	313760
Stage 1 OBSV	663355	96951	97292	96535	7701	7732	7672	15545	15305	15223	303399
Stage 2 TRIGGER	663355	96951	97292	96535	7701	7732	7672	15545	15305	15223	303399
Stage 3 $\geq$1TLEP	37971	164	23772	1894	10	3209	333	3869	324	3891	505
Stage 4 $\overline{\text{MET}}$	33913	143	21070	1654	9	2929	295	3533	296	3583	401
Stage 5 ISO	29624	0	18520	1341	0	2740	259	3216	245	3301	2
Stage 5 $\geq$4jets	11041	0	9702	720	0	101	21	193	19	283	2
Stage 6 !DILEP	10931	0	9694	719	0	60	21	148	15	272	2
Stage 7 !Z	10763	0	9581	715	0	54	21	127	14	249	2
Stage 8 !COSMIC	10763	0	9581	715	0	54	21	127	14	249	2
Stage 9 !QCD	10145	0	9024	667	0	54	20	124	14	240	2
Stage 10 !DIFFZ	10145	0	9024	667	0	54	20	124	14	240	2
Stage 11 SI GOOD	10145	0	9024	667	0	54	20	124	14	240	2
Stage 12 TAGGABLE	9776	0	8697	645	0	52	17	119	14	230	2
Stage 13 $\geq$1+BTAG	6332	0	5608	443	0	34	11	75	11	148	2
Stage 14 $\geq$2+BTAG	1828	0	1633	121	0	11	6	16	3	38	0
Stage 15 $\geq$1-BTAG	232	0	217	10	0	0	0	1	1	3	0
Stage 16 TAGGABLEJP+	9630	0	8568	636	0	52	17	116	13	226	2
Stage 17 $\geq$1+JPBTAG	7073	0	6271	485	0	32	14	84	11	174	2
Stage 18 $\geq$2+JPBTAG	2546	0	2243	185	0	15	7	30	2	62	2
Stage 19 TAGGABLEJP-	9163	0	8163	608	0	48	17	108	11	206	2
Stage 20 $\geq$1-JPBTAG	1396	0	1248	77	0	7	5	18	1	40	0
CMX Stage 0 INITIAL	685969	100269	100668	99804	7945	8005	7939	16029	15808	15742	313760
Stage 1 OBSV	663355	96951	97292	96535	7701	7732	7672	15545	15305	15223	303399
Stage 2 TRIGGER	663355	96951	97292	96535	7701	7732	7672	15545	15305	15223	303399
Stage 3 $\geq$1TLEP	13928	85	8645	690	4	1333	104	1305	103	1467	192
Stage 4 $\overline{\text{MET}}$	12488	79	7695	608	4	1222	91	1190	92	1351	156
Stage 5 ISO	11005	3	6849	484	0	1145	78	1101	77	1268	0
Stage 5 $\geq$4jets	4083	0	3616	243	0	37	6	61	4	116	0
Stage 6 !DILEP	4042	0	3616	243	0	19	6	47	3	108	0
Stage 7 !Z	3965	0	3569	237	0	14	6	37	2	100	0
Stage 8 !COSMIC	3965	0	3569	237	0	14	6	37	2	100	0
Stage 9 !QCD	3722	0	3356	215	0	12	5	36	2	96	0
Stage 10 !DIFFZ	3722	0	3356	215	0	12	5	36	2	96	0
Stage 11 SI GOOD	3722	0	3356	215	0	12	5	36	2	96	0
Stage 12 TAGGABLE	3591	0	3238	207	0	12	5	36	2	91	0
Stage 13 $\geq$1+BTAG	2402	0	2168	133	0	9	3	25	1	63	0
Stage 14 $\geq$2+BTAG	683	0	609	43	0	1	1	9	0	20	0
Stage 15 $\geq$1-BTAG	89	0	81	5	0	0	0	0	0	3	0
Stage 16 TAGGABLEJP+	3540	0	3194	202	0	12	5	35	2	90	0
Stage 17 $\geq$1+JPBTAG	2625	0	2360	154	0	10	3	24	1	73	0
Stage 18 $\geq$2+JPBTAG	913	0	816	56	0	3	3	9	0	26	0
Stage 19 TAGGABLEJP-	3384	0	3046	204	0	11	4	35	2	82	0
Stage 20 $\geq$1-JPBTAG	577	0	522	34	0	0	0	5	1	15	0