

Results for MCFM scheme = +1

For WZ processes, 12GeV and 40GeV refer to the minimum mass of the dilepton system which comes from Z

PROCESS	SCALE	7 TeV	8 TeV
tS171Dn	86.25d0	2.7919 +/- 0.0708 pb	3.3544 +/- 0.085 pb
tS171	172.5d0	2.718 +/- 0.0674 pb	3.276 +/- 0.0805 pb
tS171Up	345.0d0	2.6593 +/- 0.0604 pb	3.2075 +/- 0.0707 pb
tS176Dn	86.25d0	1.5371 +/- 0.0657 pb	1.9015 +/- 0.0746 pb
tS176	172.5d0	1.4947 +/- 0.0608 pb	1.8605 +/- 0.0728 pb
tS176Up	345.0d0	1.4655 +/- 0.0544 pb	1.8302 +/- 0.0663 pb
tT161Dn	86.25d0	42.8965 +/- 0.0335 pb	56.1071 +/- 0.0449 pb
tT161	172.5d0	43.6794 +/- 0.031 pb	57.0721 +/- 0.0424 pb
tT161Up	345.0d0	45.0549 +/- 0.0337 pb	58.883 +/- 0.0442 pb
tT166Dn	86.25d0	22.619 +/- 0.0337 pb	30.6159 +/- 0.0397 pb
tT166	172.5d0	23.1017 +/- 0.0334 pb	31.1421 +/- 0.0412 pb
tT166Up	345.0d0	23.7813 +/- 0.0338 pb	31.9899 +/- 0.0437 pb
ttbarDn	86.25d0	187.2489 +/- 4.6354 pb	267.3656 +/- 5.6924 pb
ttbar	172.5d0	166.5683 +/- 4.0545 pb	237.9611 +/- 4.9533 pb
ttbarUp	345.0d0	144.7992 +/- 2.8789 pb	207.5114 +/- 3.4131 pb
tW180Dn	86.25d0	5.2805 +/- 0.0237 pb	7.4915 +/- 0.0298 pb
tW180	172.5d0	5.8708 +/- 0.0263 pb	8.3402 +/- 0.0332 pb
tW180Up	345.0d0	6.2414 +/- 0.0281 pb	8.8939 +/- 0.0357 pb
tW185Dn	86.25d0	5.279 +/- 0.0237 pb	7.4986 +/- 0.03 pb
tW185	172.5d0	5.865 +/- 0.0263 pb	8.3295 +/- 0.0333 pb
tW185Up	345.0d0	6.2496 +/- 0.0281 pb	8.8928 +/- 0.0356 pb
W1Dn	40.2d0	55075.0 +/- 1764.989 pb	63308.0 +/- 2068.939 pb
W1	-1d0	55865.0 +/- 1753.563 pb	64398.0 +/- 2065.824 pb
W1Up	160.8d0	56787.0 +/- 1759.0646 pb	65603.0 +/- 2080.344 pb
W6Dn	40.2d0	38122.1848 +/- 1396.368 pb	44364.1707 +/- 1606.5135 pb
W6	-1d0	38715.8914 +/- 1383.4206 pb	45191.4028 +/- 1596.2596 pb
W6Up	160.8d0	39412.1526 +/- 1381.5744 pb	46101.2947 +/- 1599.8106 pb
Wbb20Dn	40.2d0	27.9702 +/- 1.124 pb	32.6243 +/- 1.3397 pb
Wbb20	-1d0	23.3636 +/- 0.8296 pb	27.1366 +/- 0.9482 pb
Wbb20Up	160.8d0	19.5245 +/- 0.5474 pb	23.1171 +/- 0.6891 pb
Wbb25Dn	40.2d0	17.2435 +/- 0.7793 pb	20.4656 +/- 0.9738 pb
Wbb25	-1d0	14.4254 +/- 0.5352 pb	17.4089 +/- 0.7216 pb
Wbb25Up	160.8d0	12.2287 +/- 0.4675 pb	14.7594 +/- 0.5521 pb
Wc13Dn	40.2d0	2070.9156 +/- 139.0763 pb	2593.2938 +/- 196.8987 pb

Wc13	-1d0	1960.7822 +/- 149.1986 pb	2502.351 +/- 179.3895 pb
Wc13Up	160.8d0	1858.8112 +/- 115.818 pb	2365.6409 +/- 141.0688 pb
Wc18Dn	40.2d0	2248.9025 +/- 135.7576 pb	2780.9569 +/- 178.0612 pb
Wc18	-1d0	2124.6683 +/- 124.483 pb	2677.0749 +/- 172.8805 pb
Wc18Up	160.8d0	2041.7111 +/- 118.2494 pb	2564.8817 +/- 138.7266 pb
Wg12Dn	40.2d0	2.9157 +/- 0.0866 pb	3.7128 +/- 0.1028 pb
Wg12	-1d0	2.7261 +/- 0.0844 pb	3.4722 +/- 0.1034 pb
Wg12Up	160.8d0	2.5825 +/- 0.0813 pb	3.2715 +/- 0.0696 pb
Wg17Dn	40.2d0	2.8044 +/- 0.0958 pb	3.5918 +/- 0.1192 pb
Wg17	-1d0	2.6097 +/- 0.0616 pb	3.3294 +/- 0.1068 pb
Wg17Up	160.8d0	2.4453 +/- 0.0536 pb	3.1468 +/- 0.0632 pb
WWDn	40.199d0	48.4936 +/- 1.401 pb	58.993 +/- 1.746 pb
WW	-1d0	46.5181 +/- 1.3852 pb	56.6793 +/- 1.591 pb
WWUp	160.796d0	45.0649 +/- 1.3482 pb	54.9079 +/- 1.5542 pb
WZ71Dn_12GeV	42.9d0	18.3998 +/- 0.7355 pb	21.7707 +/- 0.7304 pb
WZ71Dn_40GeV	42.9d0	12.9178 +/- 0.2491 pb	15.9103 +/- 0.4855 pb
WZ71_12GeV	-1d0	17.3365 +/- 0.2979 pb	20.8777 +/- 0.7902 pb
WZ71_40GeV	-1d0	12.3348 +/- 0.2934 pb	15.0253 +/- 0.3469 pb
WZ71Up_12GeV	171.6d0	17.1597 +/- 0.6174 pb	20.25 +/- 0.4793 pb
WZ71Up_40GeV	171.6d0	11.9041 +/- 0.3393 pb	14.4279 +/- 0.2937 pb
WZ76Dn_12GeV	42.9d0	10.9275 +/- 0.5072 pb	13.1147 +/- 0.5984 pb
WZ76Dn_40GeV	42.9d0	7.2478 +/- 0.2549 pb	9.0793 +/- 0.3292 pb
WZ76_12GeV	-1d0	10.5217 +/- 0.5598 pb	12.5457 +/- 0.4497 pb
WZ76_40GeV	-1d0	6.8663 +/- 0.2281 pb	8.6001 +/- 0.2695 pb
WZ76Up_12GeV	171.6d0	10.2922 +/- 0.5783 pb	12.4579 +/- 0.475 pb
WZ76Up_40GeV	171.6d0	6.5697 +/- 0.2142 pb	8.2687 +/- 0.2645 pb
ZDn	45.6d0	48918.0681 +/- 1662.1373 pb	56257.0 +/- 1970.8393 pb
Z	-1d0	50168.0 +/- 1699.4274 pb	57840.0 +/- 2020.8655 pb
ZUp	182.4d0	51494.0 +/- 1747.467 pb	59444.0 +/- 2093.0271 pb
ZbbDn	45.6d0	92.1422 +/- 1.8776 pb	117.0712 +/- 1.7702 pb
Zbb	-1d0	73.173 +/- 2.6951 pb	92.2647 +/- 1.8806 pb
ZbbUp	182.4d0	57.42 +/- 1.3829 pb	74.0752 +/- 0.8002 pb
ZgDn	45.6d0	7.1478 +/- 0.4713 pb	7.6069 +/- 0.3448 pb
Zg	-1d0	6.8893 +/- 0.2687 pb	8.2631 +/- 0.9741 pb
ZgUp	182.4d0	6.9484 +/- 0.5093 pb	7.9685 +/- 0.4823 pb
ZZDn	45.6d0	7.1173 +/- 0.2049 pb	8.7094 +/- 0.2549 pb
ZZ	-1d0	6.8272 +/- 0.216 pb	8.3525 +/- 0.2254 pb
ZZUp	182.4d0	6.6369 +/- 0.2055 pb	8.1331 +/- 0.2412 pb