

SUSYCrossSections8TeVstopsbottom < LHCPHysics < TWiki

Interactions - stops/sbottoms	Nominal (pb) \pm Uncertainty
100 GeV	559.757 \pm 16.1085%
105 GeV	448.456 \pm 15.9732%
110 GeV	361.917 \pm 16.1134%
115 GeV	293.281 \pm 15.9763%
120 GeV	240.077 \pm 15.9212%
125 GeV	197.122 \pm 15.7303%
130 GeV	163.376 \pm 15.8101%
135 GeV	135.791 \pm 15.8086%
140 GeV	113.319 \pm 15.7234%
145 GeV	95.0292 \pm 15.649%
150 GeV	80.268 \pm 15.5946%
155 GeV	68.0456 \pm 15.5232%
160 GeV	58.01 \pm 15.3899%
165 GeV	49.6639 \pm 15.3711%
170 GeV	42.6441 \pm 15.3017%
175 GeV	36.7994 \pm 15.1749%
180 GeV	31.8695 \pm 15.2449%
185 GeV	27.7028 \pm 15.063%
190 GeV	24.1585 \pm 15.16%
195 GeV	21.1597 \pm 14.9422%
200 GeV	18.5245 \pm 14.9147%
205 GeV	16.2439 \pm 15.117%
210 GeV	14.3201 \pm 14.8495%
215 GeV	12.6497 \pm 14.8689%
220 GeV	11.1808 \pm 14.9108%
225 GeV	9.90959 \pm 14.9662%
230 GeV	8.78125 \pm 14.796%
235 GeV	7.81646 \pm 14.7983%
240 GeV	6.96892 \pm 14.7878%
245 GeV	6.22701 \pm 14.7897%
250 GeV	5.57596 \pm 14.7529%
255 GeV	5.00108 \pm 14.729%
260 GeV	4.48773 \pm 14.6782%
265 GeV	4.03416 \pm 14.7964%
270 GeV	3.63085 \pm 14.6565%
275 GeV	3.2781 \pm 14.7341%
280 GeV	2.95613 \pm 14.7816%
285 GeV	2.67442 \pm 14.7661%
290 GeV	2.42299 \pm 14.6805%
295 GeV	2.19684 \pm 14.8465%
300 GeV	1.99608 \pm 14.6905%
305 GeV	1.81486 \pm 14.4434%
310 GeV	1.64956 \pm 14.4769%
315 GeV	1.50385 \pm 14.4549%
320 GeV	1.3733 \pm 14.7503%
325 GeV	1.25277 \pm 14.2875%
330 GeV	1.14277 \pm 14.578%
335 GeV	1.04713 \pm 14.3659%
340 GeV	0.959617 \pm 14.3896%

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345 GeV	0.879793 ± 14.3881%
350 GeV	0.807323 ± 14.3597%
355 GeV	0.74141 ± 14.368%
360 GeV	0.681346 ± 14.3357%
365 GeV	0.626913 ± 14.3627%
370 GeV	0.576882 ± 14.2712%
375 GeV	0.531443 ± 14.266%
380 GeV	0.489973 ± 14.3962%
385 GeV	0.452072 ± 14.2234%
390 GeV	0.4176 ± 14.3166%
395 GeV	0.385775 ± 14.3112%
400 GeV	0.35683 ± 14.2848%
405 GeV	0.329881 ± 14.2072%
410 GeV	0.305512 ± 14.2648%
415 GeV	0.283519 ± 14.102%
420 GeV	0.262683 ± 14.3075%
425 GeV	0.243755 ± 14.0504%
430 GeV	0.226367 ± 14.0494%
435 GeV	0.209966 ± 14.0334%
440 GeV	0.195812 ± 14.0772%
445 GeV	0.181783 ± 14.1771%
450 GeV	0.169668 ± 14.2368%
455 GeV	0.158567 ± 14.2609%
460 GeV	0.147492 ± 14.4105%
465 GeV	0.137392 ± 14.4772%
470 GeV	0.128326 ± 14.5144%
475 GeV	0.119275 ± 14.6664%
480 GeV	0.112241 ± 14.6307%
485 GeV	0.104155 ± 14.7581%
490 GeV	0.0977878 ± 14.7977%
495 GeV	0.091451 ± 14.8963%
500 GeV	0.0855847 ± 14.9611%
505 GeV	0.0801322 ± 15.0389%
510 GeV	0.0751004 ± 15.1402%
515 GeV	0.0703432 ± 15.2139%
520 GeV	0.0660189 ± 15.3368%
525 GeV	0.0618641 ± 15.4135%
530 GeV	0.0580348 ± 15.4422%
535 GeV	0.0545113 ± 15.5446%
540 GeV	0.0511747 ± 15.6283%
545 GeV	0.0481537 ± 15.726%
550 GeV	0.0452067 ± 15.8177%
555 GeV	0.0424781 ± 15.9022%
560 GeV	0.0399591 ± 16.0067%
565 GeV	0.0376398 ± 16.0367%
570 GeV	0.0354242 ± 16.137%
575 GeV	0.0333988 ± 16.2132%
580 GeV	0.0313654 ± 16.3135%
585 GeV	0.0295471 ± 16.4264%
590 GeV	0.0279395 ± 16.4546%

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595 GeV	0.0263263 ± 16.567%
600 GeV	0.0248009 ± 16.6406%
605 GeV	0.0233806 ± 16.7295%
610 GeV	0.0220672 ± 16.8447%
615 GeV	0.0208461 ± 16.9276%
620 GeV	0.0196331 ± 17.0459%
625 GeV	0.0185257 ± 17.0835%
630 GeV	0.0175075 ± 17.1478%
635 GeV	0.0164955 ± 17.2753%
640 GeV	0.0155809 ± 17.3814%
645 GeV	0.0147721 ± 17.4885%
650 GeV	0.0139566 ± 17.56%
655 GeV	0.0132456 ± 17.6129%
660 GeV	0.0125393 ± 17.7363%
665 GeV	0.0118287 ± 17.7959%
670 GeV	0.0112223 ± 17.8974%
675 GeV	0.0106123 ± 17.9891%
680 GeV	0.0100516 ± 18.0618%
685 GeV	0.0095256 ± 18.1714%
690 GeV	0.0090306 ± 18.2108%
695 GeV	0.00856339 ± 18.3365%
700 GeV	0.0081141 ± 18.4146%
705 GeV	0.00769525 ± 18.4937%
710 GeV	0.00730084 ± 18.6195%
715 GeV	0.00692243 ± 18.7005%
720 GeV	0.00656729 ± 18.819%
725 GeV	0.00623244 ± 18.8796%
730 GeV	0.00591771 ± 18.996%
735 GeV	0.00561049 ± 19.0787%
740 GeV	0.00532605 ± 19.1995%
745 GeV	0.00506044 ± 19.2916%
750 GeV	0.00480639 ± 19.4088%
755 GeV	0.00455979 ± 19.508%
760 GeV	0.00433688 ± 19.632%
765 GeV	0.00412174 ± 19.7141%
770 GeV	0.00391839 ± 19.8299%
775 GeV	0.00372717 ± 19.9097%
780 GeV	0.00354211 ± 20.0016%
785 GeV	0.00336904 ± 20.123%
790 GeV	0.00320476 ± 20.2271%
795 GeV	0.00304935 ± 20.4479%
800 GeV	0.00289588 ± 20.516%
805 GeV	0.00275424 ± 20.5444%
810 GeV	0.0026184 ± 20.8204%
815 GeV	0.00249291 ± 21.0063%
820 GeV	0.00237168 ± 21.0865%
825 GeV	0.00226163 ± 21.0511%
830 GeV	0.00214607 ± 21.3705%
835 GeV	0.00204589 ± 21.3026%
840 GeV	0.00195172 ± 21.6053%

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845 GeV	0.0018573 ± 21.8177%
850 GeV	0.00176742 ± 21.836%
855 GeV	0.00168383 ± 22.1411%
860 GeV	0.00160403 ± 22.0506%
865 GeV	0.00153063 ± 22.3461%
870 GeV	0.00145772 ± 22.6206%
875 GeV	0.0013878 ± 22.5422%
880 GeV	0.00132077 ± 23.2161%
885 GeV	0.00126234 ± 23.1283%
890 GeV	0.00120568 ± 23.8404%
895 GeV	0.00114627 ± 23.7327%
900 GeV	0.00109501 ± 23.9439%
905 GeV	0.001044 ± 24.1049%
910 GeV	0.000996193 ± 24.2789%
915 GeV	0.00095071 ± 24.5443%
920 GeV	0.000907494 ± 24.7597%
925 GeV	0.000866391 ± 24.877%
930 GeV	0.000826533 ± 25.0849%
935 GeV	0.000789573 ± 25.2885%
940 GeV	0.000753768 ± 25.4768%
945 GeV	0.000719675 ± 25.6582%
950 GeV	0.000687022 ± 25.8341%
955 GeV	0.000656279 ± 26.0372%
960 GeV	0.000626876 ± 26.2059%
965 GeV	0.000598955 ± 26.3653%
970 GeV	0.000571551 ± 26.5169%
975 GeV	0.000546728 ± 26.7985%
980 GeV	0.000522495 ± 26.9218%
985 GeV	0.000499017 ± 27.1036%
990 GeV	0.000476255 ± 27.3032%
995 GeV	0.000455959 ± 27.4544%
1000 GeV	0.000435488 ± 27.6595%
1005 GeV	0.000416116 ± 27.8649%
1010 GeV	0.00039791 ± 27.9983%
1015 GeV	0.000379994 ± 28.2833%
1020 GeV	0.000363934 ± 28.4046%
1025 GeV	0.000347646 ± 28.5755%
1030 GeV	0.00033204 ± 28.8856%
1035 GeV	0.000318049 ± 28.9792%
1040 GeV	0.000303756 ± 29.0799%
1045 GeV	0.000290392 ± 29.3415%
1050 GeV	0.000277943 ± 29.6252%
1055 GeV	0.000265929 ± 29.7061%
1060 GeV	0.000254659 ± 29.946%
1065 GeV	0.000243251 ± 30.237%
1070 GeV	0.00023289 ± 30.4322%
1075 GeV	0.000222651 ± 30.6837%
1080 GeV	0.000213396 ± 30.9264%
1085 GeV	0.000204211 ± 31.1401%
1090 GeV	0.000196038 ± 31.3673%

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1095 GeV	0.000187913 ± 31.5579%
1100 GeV	0.000179699 ± 31.8291%
1105 GeV	0.000172125 ± 32.3718%
1110 GeV	0.000165045 ± 32.5508%
1115 GeV	0.000157905 ± 32.8048%
1120 GeV	0.000151236 ± 32.6359%
1125 GeV	0.000144737 ± 33.2161%
1130 GeV	0.000138657 ± 33.4105%
1135 GeV	0.000133343 ± 33.9387%
1140 GeV	0.000127478 ± 33.9505%
1145 GeV	0.00012234 ± 34.2228%
1150 GeV	0.000117215 ± 34.5171%
1155 GeV	0.000112199 ± 34.6636%
1160 GeV	0.000107256 ± 34.7177%
1165 GeV	0.000103046 ± 35.14%
1170 GeV	9.86633e-05 ± 35.2448%
1175 GeV	9.44977e-05 ± 35.491%
1180 GeV	9.05131e-05 ± 35.6874%
1185 GeV	8.67972e-05 ± 35.8364%
1190 GeV	8.31669e-05 ± 36.0309%
1195 GeV	7.96568e-05 ± 36.1691%
1200 GeV	7.63052e-05 ± 36.4029%
1205 GeV	7.31846e-05 ± 36.5593%
1210 GeV	7.00987e-05 ± 36.8407%
1215 GeV	6.72666e-05 ± 37.0524%
1220 GeV	6.44711e-05 ± 37.2551%
1225 GeV	6.18495e-05 ± 37.4468%
1230 GeV	5.93775e-05 ± 37.73%
1235 GeV	5.69258e-05 ± 37.9974%
1240 GeV	5.46007e-05 ± 38.1849%
1245 GeV	5.23902e-05 ± 38.4532%
1250 GeV	5.02385e-05 ± 38.7169%
1255 GeV	4.81984e-05 ± 38.9583%
1260 GeV	4.6268e-05 ± 39.295%
1265 GeV	4.43332e-05 ± 39.533%
1270 GeV	4.25134e-05 ± 39.7556%
1275 GeV	4.07881e-05 ± 40.0677%
1280 GeV	3.91417e-05 ± 40.3688%
1285 GeV	3.75567e-05 ± 40.5687%
1290 GeV	3.60147e-05 ± 40.8636%
1295 GeV	3.4617e-05 ± 41.111%
1300 GeV	3.31856e-05 ± 41.3826%
1305 GeV	3.18643e-05 ± 41.6171%
1310 GeV	3.05669e-05 ± 41.8635%
1315 GeV	2.93562e-05 ± 42.0558%
1320 GeV	2.81652e-05 ± 42.2681%
1325 GeV	2.70203e-05 ± 42.6434%
1330 GeV	2.59296e-05 ± 42.8496%
1335 GeV	2.49015e-05 ± 43.1496%
1340 GeV	2.39221e-05 ± 43.2927%

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1345 GeV	2.29308e-05 ± 43.3701%
1350 GeV	2.20166e-05 ± 43.7141%
1355 GeV	2.11331e-05 ± 43.7576%
1360 GeV	2.02909e-05 ± 44.275%
1365 GeV	1.94752e-05 ± 44.5547%
1370 GeV	1.8714e-05 ± 44.489%
1375 GeV	1.79681e-05 ± 45.0069%
1380 GeV	1.72697e-05 ± 45.2231%
1385 GeV	1.65664e-05 ± 45.3811%
1390 GeV	1.58669e-05 ± 45.629%
1395 GeV	1.52759e-05 ± 45.6655%
1400 GeV	1.46673e-05 ± 45.9932%
1405 GeV	1.40698e-05 ± 46.2074%
1410 GeV	1.35484e-05 ± 46.5574%
1415 GeV	1.30386e-05 ± 46.9138%
1420 GeV	1.253e-05 ± 47.235%
1425 GeV	1.20335e-05 ± 47.4376%
1430 GeV	1.15351e-05 ± 47.6339%
1435 GeV	1.11127e-05 ± 48.0539%
1440 GeV	1.06301e-05 ± 48.0551%
1445 GeV	1.02226e-05 ± 48.3748%
1450 GeV	9.84287e-06 ± 48.7594%
1455 GeV	9.45889e-06 ± 49.0619%
1460 GeV	9.09124e-06 ± 49.2373%
1465 GeV	8.73208e-06 ± 49.5338%
1470 GeV	8.38911e-06 ± 49.7994%
1475 GeV	8.05993e-06 ± 50.0207%
1480 GeV	7.74413e-06 ± 50.3417%
1485 GeV	7.44538e-06 ± 50.5264%
1490 GeV	7.14898e-06 ± 50.7934%
1495 GeV	6.86798e-06 ± 51.0213%
1500 GeV	6.59698e-06 ± 51.2711%
1505 GeV	6.33638e-06 ± 51.4848%
1510 GeV	6.08509e-06 ± 51.7365%
1515 GeV	5.84265e-06 ± 51.9947%
1520 GeV	5.6093e-06 ± 52.2054%
1525 GeV	5.38651e-06 ± 52.4747%
1530 GeV	5.1742e-06 ± 52.7563%
1535 GeV	4.97273e-06 ± 52.9922%
1540 GeV	4.77117e-06 ± 53.2497%
1545 GeV	4.58178e-06 ± 53.4133%
1550 GeV	4.39875e-06 ± 53.7199%
1555 GeV	4.22724e-06 ± 53.9776%
1560 GeV	4.05582e-06 ± 54.2081%
1565 GeV	3.89113e-06 ± 54.5909%
1570 GeV	3.72963e-06 ± 54.8285%
1575 GeV	3.58102e-06 ± 54.9611%
1580 GeV	3.43895e-06 ± 55.2433%
1585 GeV	3.29773e-06 ± 55.5563%
1590 GeV	3.16675e-06 ± 55.7857%

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1595 GeV	3.03589e-06 ± 55.9798%
1600 GeV	2.91221e-06 ± 56.3512%
1605 GeV	2.79219e-06 ± 56.5093%
1610 GeV	2.66816e-06 ± 56.8717%
1615 GeV	2.55964e-06 ± 56.9442%
1620 GeV	2.44758e-06 ± 57.2952%
1625 GeV	2.34644e-06 ± 57.5294%
1630 GeV	2.24557e-06 ± 57.7382%
1635 GeV	2.15574e-06 ± 57.8618%
1640 GeV	2.0669e-06 ± 58.016%
1645 GeV	1.98515e-06 ± 58.2828%
1650 GeV	1.90249e-06 ± 58.651%
1655 GeV	1.83115e-06 ± 58.9189%
1660 GeV	1.76963e-06 ± 59.2455%
1665 GeV	1.70036e-06 ± 59.4164%
1670 GeV	1.63964e-06 ± 59.6636%
1675 GeV	1.58714e-06 ± 60.0861%
1680 GeV	1.52765e-06 ± 60.2995%
1685 GeV	1.47645e-06 ± 60.5926%
1690 GeV	1.42533e-06 ± 60.8999%
1695 GeV	1.37529e-06 ± 61.1528%
1700 GeV	1.32467e-06 ± 61.392%
1705 GeV	1.27389e-06 ± 61.6317%
1710 GeV	1.22407e-06 ± 61.8075%
1715 GeV	1.18167e-06 ± 62.2826%
1720 GeV	1.13218e-06 ± 62.4136%
1725 GeV	1.09086e-06 ± 62.7163%
1730 GeV	1.04182e-06 ± 62.7379%
1735 GeV	1.00428e-06 ± 63.1036%
1740 GeV	9.64964e-07 ± 63.3464%
1745 GeV	9.26859e-07 ± 63.6113%
1750 GeV	8.90605e-07 ± 63.8391%
1755 GeV	8.56319e-07 ± 64.0747%
1760 GeV	8.2246e-07 ± 64.3035%
1765 GeV	7.90884e-07 ± 64.5973%
1770 GeV	7.59995e-07 ± 64.8419%
1775 GeV	7.3087e-07 ± 65.0354%
1780 GeV	7.02001e-07 ± 65.3007%
1785 GeV	6.75402e-07 ± 65.5868%
1790 GeV	6.49168e-07 ± 65.7934%
1795 GeV	6.24339e-07 ± 66.0476%
1800 GeV	6.00052e-07 ± 66.2636%
1805 GeV	5.76531e-07 ± 66.5428%
1810 GeV	5.5474e-07 ± 66.8028%
1815 GeV	5.33316e-07 ± 67.0617%
1820 GeV	5.129e-07 ± 67.2985%
1825 GeV	4.93338e-07 ± 67.6074%
1830 GeV	4.74104e-07 ± 67.7943%
1835 GeV	4.55409e-07 ± 68.0365%
1840 GeV	4.37889e-07 ± 68.3383%

1845 GeV	4.21436e-07 ± 68.6014%
1850 GeV	4.04973e-07 ± 68.8823%
1855 GeV	3.89723e-07 ± 69.08%
1860 GeV	3.7399e-07 ± 69.4608%
1865 GeV	3.59977e-07 ± 69.5443%
1870 GeV	3.45452e-07 ± 69.8554%
1875 GeV	3.32155e-07 ± 70.0667%
1880 GeV	3.19667e-07 ± 70.3694%
1885 GeV	3.06274e-07 ± 70.6069%
1890 GeV	2.95073e-07 ± 70.7798%
1895 GeV	2.83743e-07 ± 70.9919%
1900 GeV	2.724e-07 ± 71.2184%
1905 GeV	2.62039e-07 ± 71.4803%
1910 GeV	2.51734e-07 ± 71.6697%
1915 GeV	2.4149e-07 ± 71.8236%
1920 GeV	2.32237e-07 ± 72.076%
1925 GeV	2.23897e-07 ± 72.3551%
1930 GeV	2.14605e-07 ± 72.5351%
1935 GeV	2.06292e-07 ± 72.7478%
1940 GeV	1.99019e-07 ± 73.0776%
1945 GeV	1.90756e-07 ± 73.2183%
1950 GeV	1.83446e-07 ± 73.4612%
1955 GeV	1.7615e-07 ± 73.6804%
1960 GeV	1.69813e-07 ± 73.9751%
1965 GeV	1.62682e-07 ± 74.0833%
1970 GeV	1.56389e-07 ± 74.3243%
1975 GeV	1.51029e-07 ± 74.6914%
1980 GeV	1.44807e-07 ± 74.8288%
1985 GeV	1.39563e-07 ± 75.1522%
1990 GeV	1.34259e-07 ± 75.4315%
1995 GeV	1.29026e-07 ± 75.6265%
2000 GeV	1.23774e-07 ± 75.8327%

-- SanjayPadhi - 02-Jul-2012

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