

SUSY Cross Sections 7TeV stops < LHC Physics < TWiki

Interactions - stops/sbottoms	Nominal (pb) ± Uncertainty
100 GeV	415.828 ± 16.49%
105 GeV	331.346 ± 16.4131%
110 GeV	266.339 ± 16.3833%
115 GeV	215.66 ± 16.1196%
120 GeV	175.302 ± 16.1302%
125 GeV	143.073 ± 15.9623%
130 GeV	118.022 ± 16.2372%
135 GeV	97.6805 ± 15.9443%
140 GeV	81.2429 ± 15.8428%
145 GeV	67.9725 ± 15.791%
150 GeV	57.1202 ± 15.6968%
155 GeV	48.1982 ± 15.6716%
160 GeV	40.928 ± 15.6929%
165 GeV	34.8756 ± 15.618%
170 GeV	29.8407 ± 15.4257%
175 GeV	25.6264 ± 15.4276%
180 GeV	22.1161 ± 15.2942%
185 GeV	19.1814 ± 15.2858%
190 GeV	16.6419 ± 15.218%
195 GeV	14.4617 ± 15.4529%
200 GeV	12.6437 ± 15.1791%
205 GeV	11.0729 ± 15.2081%
210 GeV	9.68853 ± 15.1238%
215 GeV	8.52455 ± 15.069%
220 GeV	7.51002 ± 15.0524%
225 GeV	6.63265 ± 15.0579%
230 GeV	5.87402 ± 15.0089%
235 GeV	5.20441 ± 14.977%
240 GeV	4.63075 ± 14.956%
245 GeV	4.12699 ± 14.8652%
250 GeV	3.67931 ± 14.8885%
255 GeV	3.28152 ± 14.8787%
260 GeV	2.93988 ± 14.9244%
265 GeV	2.63333 ± 14.7395%
270 GeV	2.36221 ± 14.6963%
275 GeV	2.12618 ± 14.7896%
280 GeV	1.91469 ± 14.677%
285 GeV	1.71927 ± 14.7479%
290 GeV	1.55401 ± 14.7401%
295 GeV	1.40844 ± 14.6955%
300 GeV	1.27307 ± 14.6571%
305 GeV	1.15249 ± 14.936%
310 GeV	1.04712 ± 14.7962%
315 GeV	0.950222 ± 14.613%
320 GeV	0.863828 ± 14.6464%
325 GeV	0.786674 ± 14.6423%
330 GeV	0.716705 ± 14.6433%
335 GeV	0.653654 ± 14.5953%

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340 Ge V	0.597143 ± 14.6164%
345 Ge V	0.545465 ± 14.6234%
350 Ge V	0.499108 ± 14.5889%
355 Ge V	0.456647 ± 14.5074%
360 Ge V	0.418776 ± 14.5105%
365 Ge V	0.383775 ± 14.4933%
370 Ge V	0.351945 ± 14.4644%
375 Ge V	0.323002 ± 14.3823%
380 Ge V	0.297147 ± 14.2705%
385 Ge V	0.27332 ± 14.4732%
390 Ge V	0.251444 ± 14.3651%
395 Ge V	0.232271 ± 14.3933%
400 Ge V	0.214149 ± 14.4971%
405 Ge V	0.198068 ± 14.5886%
410 Ge V	0.182913 ± 14.6479%
415 Ge V	0.168801 ± 14.7922%
420 Ge V	0.156704 ± 14.8368%
425 Ge V	0.144628 ± 14.936%
430 Ge V	0.134507 ± 15.0065%
435 Ge V	0.124392 ± 15.0804%
440 Ge V	0.115348 ± 15.1762%
445 Ge V	0.107245 ± 15.2485%
450 Ge V	0.0992878 ± 15.3598%
455 Ge V	0.0922374 ± 15.4593%
460 Ge V	0.0857745 ± 15.5334%
465 Ge V	0.0797201 ± 15.6494%
470 Ge V	0.074147 ± 15.7169%
475 Ge V	0.06902 ± 15.8284%
480 Ge V	0.0642831 ± 15.93%
485 Ge V	0.0599245 ± 15.9919%
490 Ge V	0.0558958 ± 16.1214%
495 Ge V	0.0520416 ± 16.1967%
500 Ge V	0.0486111 ± 16.2961%
505 Ge V	0.0453899 ± 16.4142%
510 Ge V	0.0424444 ± 16.4723%
515 Ge V	0.0396183 ± 16.5823%
520 Ge V	0.0370806 ± 16.6772%
525 Ge V	0.0346581 ± 16.779%
530 Ge V	0.032434 ± 16.8941%
535 Ge V	0.0303045 ± 16.979%
540 Ge V	0.0283853 ± 17.09%
545 Ge V	0.0266518 ± 17.1611%
550 Ge V	0.0249376 ± 17.2882%
555 Ge V	0.0233198 ± 17.4061%
560 Ge V	0.0218991 ± 17.4857%
565 Ge V	0.0204807 ± 17.602%
570 Ge V	0.0192652 ± 17.7247%
575 Ge V	0.0180582 ± 17.815%
580 Ge V	0.0169375 ± 17.8905%
585 Ge V	0.0159235 ± 17.9941%

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590 Ge V	0.0149107 ± 18.1352%
595 Ge V	0.0139931 ± 18.2184%
600 Ge V	0.0131832 ± 18.3415%
605 Ge V	0.012371 ± 18.4562%
610 Ge V	0.0116553 ± 18.5271%
615 Ge V	0.0109457 ± 18.6577%
620 Ge V	0.0103307 ± 18.7359%
625 Ge V	0.00974176 ± 18.8389%
630 Ge V	0.00917932 ± 18.9953%
635 Ge V	0.00864832 ± 19.081%
640 Ge V	0.00815037 ± 19.1935%
645 Ge V	0.00768851 ± 19.2821%
650 Ge V	0.00725254 ± 19.4046%
655 Ge V	0.00684582 ± 19.5179%
660 Ge V	0.00645651 ± 19.5913%
665 Ge V	0.00609033 ± 19.7352%
670 Ge V	0.00574425 ± 19.8541%
675 Ge V	0.0054262 ± 19.9319%
680 Ge V	0.00512151 ± 20.0595%
685 Ge V	0.00483639 ± 20.1696%
690 Ge V	0.00456873 ± 20.269%
695 Ge V	0.00431485 ± 20.397%
700 Ge V	0.00407922 ± 20.543%
705 Ge V	0.00385437 ± 20.7088%
710 Ge V	0.00363411 ± 21.024%
715 Ge V	0.00343542 ± 21.3248%
720 Ge V	0.00325313 ± 21.4323%
725 Ge V	0.0030734 ± 21.7289%
730 Ge V	0.00289954 ± 21.8929%
735 Ge V	0.0027426 ± 22.2368%
740 Ge V	0.00259042 ± 22.357%
745 Ge V	0.00245409 ± 22.7108%
750 Ge V	0.00232201 ± 22.8421%
755 Ge V	0.00220039 ± 22.9585%
760 Ge V	0.00207964 ± 23.0442%
765 Ge V	0.00197349 ± 23.3438%
770 Ge V	0.00186178 ± 23.4758%
775 Ge V	0.00176796 ± 23.8014%
780 Ge V	0.00167315 ± 24.187%
785 Ge V	0.00158305 ± 24.2273%
790 Ge V	0.00150278 ± 24.2264%
795 Ge V	0.00142308 ± 24.2236%
800 Ge V	0.00134929 ± 24.6211%
805 Ge V	0.00127968 ± 24.6118%
810 Ge V	0.00121664 ± 24.9464%
815 Ge V	0.001146 ± 25.0668%
820 Ge V	0.00109168 ± 25.5931%
825 Ge V	0.00103191 ± 25.6051%
830 Ge V	0.00097957 ± 25.8401%
835 Ge V	

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	0.000929598 ± 26.0089%
840 Ge V	0.000882133 ± 26.2825%
845 Ge V	0.000836883 ± 26.5091%
850 Ge V	0.000794034 ± 26.7155%
855 Ge V	0.000753828 ± 26.9611%
860 Ge V	0.000715947 ± 27.1655%
865 Ge V	0.000679601 ± 27.492%
870 Ge V	0.000645279 ± 27.6113%
875 Ge V	0.000613128 ± 27.9303%
880 Ge V	0.000582599 ± 28.1075%
885 Ge V	0.000553763 ± 28.4493%
890 Ge V	0.000526242 ± 28.6668%
895 Ge V	0.000499869 ± 28.8264%
900 Ge V	0.000475078 ± 29.1309%
905 Ge V	0.000451249 ± 29.4369%
910 Ge V	0.000429159 ± 29.5663%
915 Ge V	0.000407424 ± 29.8668%
920 Ge V	0.000387417 ± 30.0411%
925 Ge V	0.000367999 ± 30.2853%
930 Ge V	0.000350566 ± 30.5219%
935 Ge V	0.00033313 ± 30.7917%
940 Ge V	0.000316901 ± 31.064%
945 Ge V	0.000301022 ± 31.0908%
950 Ge V	0.000286345 ± 31.4967%
955 Ge V	0.000272071 ± 31.7112%
960 Ge V	0.000259103 ± 31.8937%
965 Ge V	0.000246539 ± 32.2745%
970 Ge V	

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	0.000234421 ± 32.4596%
975 GeV	0.000223443 ± 32.5352%
980 GeV	0.000213111 ± 32.9153%
985 GeV	0.000202769 ± 33.2562%
990 GeV	0.00019276 ± 33.3546%
995 GeV	0.000183492 ± 33.7537%
1000 GeV	0.000175283 ± 34.0129%

-- SanjayPadhi - 03-Jun-2012

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