

SUSYCrossSections7TeVsqantisqv1 < LHCPHysics < TWiki

Interactions - squarks anti-squarks (with gluinos decoupled)	Nominal (pb) $\pm$ Uncertainty
200 GeV	123.498 $\pm$ 17.8933%
205 GeV	107.958 $\pm$ 17.9825%
210 GeV	94.7537 $\pm$ 17.8308%
215 GeV	83.3211 $\pm$ 17.7457%
220 GeV	73.4433 $\pm$ 17.7635%
225 GeV	64.877 $\pm$ 17.6885%
230 GeV	57.4174 $\pm$ 17.7032%
235 GeV	50.9658 $\pm$ 17.645%
240 GeV	45.3117 $\pm$ 17.553%
245 GeV	40.3602 $\pm$ 17.5727%
250 GeV	36.0166 $\pm$ 17.5627%
255 GeV	32.1675 $\pm$ 17.5157%
260 GeV	28.7714 $\pm$ 17.5612%
265 GeV	25.7775 $\pm$ 17.5663%
270 GeV	23.1823 $\pm$ 17.4661%
275 GeV	20.7815 $\pm$ 17.4299%
280 GeV	18.734 $\pm$ 17.4972%
285 GeV	16.8907 $\pm$ 17.558%
290 GeV	15.2435 $\pm$ 17.5358%
295 GeV	13.8025 $\pm$ 17.5269%
300 GeV	12.4552 $\pm$ 17.515%
305 GeV	11.3057 $\pm$ 17.3651%
310 GeV	10.2119 $\pm$ 17.7535%
315 GeV	9.28743 $\pm$ 17.485%
320 GeV	8.44703 $\pm$ 17.4954%
325 GeV	7.68679 $\pm$ 17.4956%
330 GeV	7.00111 $\pm$ 17.5192%
335 GeV	6.38571 $\pm$ 17.4935%
340 GeV	5.82734 $\pm$ 17.4453%
345 GeV	5.3254 $\pm$ 17.4477%
350 GeV	4.86975 $\pm$ 17.5062%
355 GeV	4.4525 $\pm$ 17.5377%
360 GeV	4.08099 $\pm$ 17.4301%
365 GeV	3.73917 $\pm$ 17.5521%
370 GeV	3.43166 $\pm$ 17.5021%
375 GeV	3.14939 $\pm$ 17.5994%
380 GeV	2.89765 $\pm$ 17.6526%
385 GeV	2.65923 $\pm$ 17.5319%
390 GeV	2.44632 $\pm$ 17.5685%
395 GeV	2.25294 $\pm$ 17.5741%
400 GeV	2.08006 $\pm$ 17.5329%
405 GeV	1.91713 $\pm$ 17.4969%
410 GeV	1.77439 $\pm$ 17.4169%
415 GeV	1.6352 $\pm$ 17.5914%
420 GeV	1.51443 $\pm$ 17.6256%
425 GeV	1.40443 $\pm$ 17.7098%
430 GeV	1.29446 $\pm$ 17.8621%
435 GeV	1.20443 $\pm$ 17.9051%
440 GeV	1.11437 $\pm$ 18.0153%

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445 GeV	1.03404 ± 18.1013%
450 GeV	0.962092 ± 18.1876%
455 GeV	0.894097 ± 18.3117%
460 GeV	0.830963 ± 18.3653%
465 GeV	0.771924 ± 18.4709%
470 GeV	0.718615 ± 18.5463%
475 GeV	0.668431 ± 18.6336%
480 GeV	0.622485 ± 18.7341%
485 GeV	0.579218 ± 18.8178%
490 GeV	0.540272 ± 18.9275%
495 GeV	0.504013 ± 19.0102%
500 GeV	0.470004 ± 19.1154%
505 GeV	0.439033 ± 19.2273%
510 GeV	0.409845 ± 19.3048%
515 GeV	0.382826 ± 19.4017%
520 GeV	0.3576 ± 19.5006%
525 GeV	0.334652 ± 19.6027%
530 GeV	0.312491 ± 19.6918%
535 GeV	0.292403 ± 19.805%
540 GeV	0.273411 ± 19.9401%
545 GeV	0.256272 ± 20.0101%
550 GeV	0.240214 ± 20.1141%
555 GeV	0.22521 ± 20.2342%
560 GeV	0.2111 ± 20.3035%
565 GeV	0.198071 ± 20.4243%
570 GeV	0.186023 ± 20.5234%
575 GeV	0.173937 ± 20.6737%
580 GeV	0.163868 ± 20.7266%
585 GeV	0.15379 ± 20.8671%
590 GeV	0.14476 ± 20.9666%
595 GeV	0.135686 ± 21.0458%
600 GeV	0.127614 ± 21.1737%
605 GeV	0.119593 ± 21.3187%
610 GeV	0.112498 ± 21.3865%
615 GeV	0.106466 ± 21.4628%
620 GeV	0.0997847 ± 21.568%
625 GeV	0.0939627 ± 21.6629%
630 GeV	0.0884227 ± 21.7581%
635 GeV	0.0832603 ± 21.8661%
640 GeV	0.0784043 ± 22.006%
645 GeV	0.0737835 ± 22.1734%
650 GeV	0.0695021 ± 22.3989%
655 GeV	0.065444 ± 22.5692%
660 GeV	0.0616637 ± 22.7875%
665 GeV	0.0581625 ± 23.0055%
670 GeV	0.0548325 ± 23.1512%
675 GeV	0.0516948 ± 23.315%
680 GeV	0.0487781 ± 23.4536%
685 GeV	0.0459974 ± 23.7338%
690 GeV	0.0434091 ± 23.9822%

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695 GeV	0.0409965 ± 24.13%
700 GeV	0.0386726 ± 24.2962%
705 GeV	0.0365188 ± 24.5661%
710 GeV	0.0345062 ± 24.7265%
715 GeV	0.0325827 ± 24.8174%
720 GeV	0.0307192 ± 25.1706%
725 GeV	0.0290201 ± 25.3119%
730 GeV	0.0274108 ± 25.4502%
735 GeV	0.0259739 ± 25.7446%
740 GeV	0.0245108 ± 26.0779%
745 GeV	0.0231576 ± 25.9672%
750 GeV	0.0219166 ± 26.3102%
755 GeV	0.0207166 ± 26.4186%
760 GeV	0.0195751 ± 26.7882%
765 GeV	0.018587 ± 26.8405%
770 GeV	0.0175508 ± 27.2261%
775 GeV	0.016655 ± 27.2392%
780 GeV	0.0157186 ± 27.6584%
785 GeV	0.0149361 ± 27.6117%
790 GeV	0.0141018 ± 28.0684%
795 GeV	0.0133746 ± 28.4579%
800 GeV	0.0126916 ± 28.45%
805 GeV	0.0120043 ± 28.478%
810 GeV	0.0113808 ± 28.8544%
815 GeV	0.0107877 ± 28.9162%
820 GeV	0.0102603 ± 29.2806%
825 GeV	0.00971684 ± 29.51%
830 GeV	0.00921527 ± 29.6739%
835 GeV	0.00874434 ± 29.8325%
840 GeV	0.00829777 ± 30.1378%
845 GeV	0.00787122 ± 30.3608%
850 GeV	0.00747078 ± 30.5278%
855 GeV	0.00708472 ± 30.8083%
860 GeV	0.00672497 ± 30.9541%
865 GeV	0.00638067 ± 31.2131%
870 GeV	0.00605779 ± 31.4198%
875 GeV	0.00574964 ± 31.7554%
880 GeV	0.00545726 ± 31.9932%
885 GeV	0.00518877 ± 32.2017%
890 GeV	0.00492723 ± 32.4227%
895 GeV	0.00467653 ± 32.6039%
900 GeV	0.00444169 ± 32.9049%
905 GeV	0.00422237 ± 33.0778%
910 GeV	0.00400944 ± 33.3399%
915 GeV	0.00381736 ± 33.6003%
920 GeV	0.00362527 ± 33.8541%
925 GeV	0.0034479 ± 33.9539%
930 GeV	0.0032757 ± 34.2117%
935 GeV	0.00311653 ± 34.4446%
940 GeV	0.00296153 ± 34.8715%

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945 GeV	0.00282159 ± 35.0363%
950 GeV	0.00268146 ± 35.264%
955 GeV	0.00255172 ± 35.4434%
960 GeV	0.00242884 ± 35.8003%
965 GeV	0.00230989 ± 36.0233%
970 GeV	0.00219086 ± 36.1764%
975 GeV	0.00208844 ± 36.5379%
980 GeV	0.00198613 ± 36.9737%
985 GeV	0.00188826 ± 37.062%
990 GeV	0.0017959 ± 37.4458%
995 GeV	0.00170941 ± 37.4927%
1000 GeV	0.00162775 ± 37.8269%
1005 GeV	0.00154579 ± 38.2291%
1010 GeV	0.00147595 ± 38.5045%
1015 GeV	0.00140494 ± 38.8058%
1020 GeV	0.00133801 ± 38.7508%
1025 GeV	0.00127568 ± 39.2759%
1030 GeV	0.00120899 ± 39.1939%
1035 GeV	0.00115616 ± 39.7893%
1040 GeV	0.00109792 ± 39.8237%
1045 GeV	0.00104767 ± 40.1525%
1050 GeV	0.000997566 ± 40.4031%
1055 GeV	0.000950698 ± 40.6703%
1060 GeV	0.000905641 ± 40.9289%
1065 GeV	0.000862829 ± 41.2053%
1070 GeV	0.000822868 ± 41.4207%
1075 GeV	0.000783574 ± 41.7562%
1080 GeV	0.000746776 ± 41.9711%
1085 GeV	0.000712032 ± 42.2261%
1090 GeV	0.000678894 ± 42.5689%
1095 GeV	0.000647082 ± 42.7658%
1100 GeV	0.00061713 ± 43.0805%
1105 GeV	0.000588205 ± 43.3927%
1110 GeV	0.000561319 ± 43.5802%
1115 GeV	0.000535159 ± 43.9525%
1120 GeV	0.000510235 ± 44.1535%
1125 GeV	0.000486344 ± 44.4563%
1130 GeV	0.000463543 ± 44.6269%
1135 GeV	0.000442355 ± 45.0114%
1140 GeV	0.000421476 ± 45.2913%
1145 GeV	0.000402336 ± 45.5783%
1150 GeV	0.000383605 ± 45.8032%
1155 GeV	0.000365962 ± 45.9815%
1160 GeV	0.000349083 ± 46.2653%
1165 GeV	0.000333055 ± 46.4916%
1170 GeV	0.000317836 ± 46.9178%
1175 GeV	0.000302972 ± 47.1725%
1180 GeV	0.000290018 ± 47.4655%
1185 GeV	0.000276201 ± 47.6953%
1190 GeV	0.000263821 ± 48.2278%

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1195 GeV	0.00025185 ± 48.5199%
1200 GeV	0.000240263 ± 48.6274%
1205 GeV	0.000229324 ± 48.9181%
1210 GeV	0.000218399 ± 49.1907%
1215 GeV	0.000208565 ± 49.4093%
1220 GeV	0.000199418 ± 49.8187%
1225 GeV	0.000190238 ± 50.2918%
1230 GeV	0.0001815 ± 50.434%
1235 GeV	0.000173402 ± 50.8171%
1240 GeV	0.000165728 ± 50.8666%
1245 GeV	0.000157607 ± 51.2953%
1250 GeV	0.000150726 ± 51.5056%
1255 GeV	0.000143791 ± 51.7637%
1260 GeV	0.000136957 ± 51.9057%
1265 GeV	0.000130876 ± 52.302%
1270 GeV	0.000124972 ± 52.5871%
1275 GeV	0.000119122 ± 52.7256%
1280 GeV	0.000114028 ± 53.1566%
1285 GeV	0.00010899 ± 53.4703%
1290 GeV	0.000103992 ± 53.8118%
1295 GeV	9.92196e-05 ± 53.9951%
1300 GeV	9.47423e-05 ± 54.2719%
1305 GeV	9.04434e-05 ± 54.5719%
1310 GeV	8.63663e-05 ± 54.8347%
1315 GeV	8.25189e-05 ± 55.1042%
1320 GeV	7.87939e-05 ± 55.427%
1325 GeV	7.53001e-05 ± 55.6993%
1330 GeV	7.19582e-05 ± 55.9847%
1335 GeV	6.86339e-05 ± 56.3252%
1340 GeV	6.5634e-05 ± 56.6135%
1345 GeV	6.26708e-05 ± 56.8786%
1350 GeV	5.98659e-05 ± 57.1569%
1355 GeV	5.71857e-05 ± 57.411%
1360 GeV	5.46674e-05 ± 57.7833%
1365 GeV	5.22005e-05 ± 57.9665%
1370 GeV	4.99032e-05 ± 58.3199%
1375 GeV	4.76218e-05 ± 58.5092%
1380 GeV	4.55049e-05 ± 58.9217%
1385 GeV	4.35209e-05 ± 59.1278%
1390 GeV	4.15055e-05 ± 59.5441%
1395 GeV	3.9712e-05 ± 59.747%
1400 GeV	3.79238e-05 ± 60.0502%
1405 GeV	3.62055e-05 ± 60.4747%
1410 GeV	3.46277e-05 ± 60.5971%
1415 GeV	3.30179e-05 ± 60.9921%
1420 GeV	3.15995e-05 ± 61.3843%
1425 GeV	3.02143e-05 ± 61.5512%
1430 GeV	2.87877e-05 ± 62.0395%
1435 GeV	2.7515e-05 ± 62.1837%
1440 GeV	2.62682e-05 ± 62.7021%

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1445 GeV	2.5111e-05 ± 62.7428%
1450 GeV	2.39893e-05 ± 63.1962%
1455 GeV	2.29046e-05 ± 63.4045%
1460 GeV	2.18953e-05 ± 63.7549%
1465 GeV	2.092e-05 ± 63.7813%
1470 GeV	1.99992e-05 ± 64.2441%
1475 GeV	1.9104e-05 ± 64.4729%
1480 GeV	1.82101e-05 ± 64.7132%
1485 GeV	1.74145e-05 ± 64.938%
1490 GeV	1.66179e-05 ± 65.173%
1495 GeV	1.59087e-05 ± 65.5072%
1500 GeV	1.5208e-05 ± 65.765%
1505 GeV	1.45106e-05 ± 65.9929%
1510 GeV	1.38979e-05 ± 66.3724%
1515 GeV	1.32925e-05 ± 66.6395%
1520 GeV	1.26954e-05 ± 66.9213%
1525 GeV	1.20967e-05 ± 67.1381%
1530 GeV	1.1584e-05 ± 67.526%
1535 GeV	1.10768e-05 ± 67.8332%
1540 GeV	1.05775e-05 ± 68.0105%
1545 GeV	1.01131e-05 ± 68.3612%
1550 GeV	9.66791e-06 ± 68.6504%
1555 GeV	9.23306e-06 ± 68.9221%
1560 GeV	8.82492e-06 ± 69.2224%
1565 GeV	8.43768e-06 ± 69.4408%
1570 GeV	8.06228e-06 ± 69.7138%
1575 GeV	7.69608e-06 ± 69.9721%
1580 GeV	7.35435e-06 ± 70.2648%
1585 GeV	7.02883e-06 ± 70.5408%
1590 GeV	6.71424e-06 ± 70.7828%
1595 GeV	6.4132e-06 ± 70.9866%
1600 GeV	6.12696e-06 ± 71.2873%
1605 GeV	5.85184e-06 ± 71.5482%
1610 GeV	5.59074e-06 ± 71.765%
1615 GeV	5.34254e-06 ± 72.0795%
1620 GeV	5.10885e-06 ± 72.3501%
1625 GeV	4.87294e-06 ± 72.644%
1630 GeV	4.65944e-06 ± 72.9309%
1635 GeV	4.45569e-06 ± 73.1297%
1640 GeV	4.25251e-06 ± 73.3631%
1645 GeV	4.0646e-06 ± 73.7316%
1650 GeV	3.88171e-06 ± 73.9704%
1655 GeV	3.70712e-06 ± 74.2872%
1660 GeV	3.54265e-06 ± 74.509%
1665 GeV	3.3886e-06 ± 74.78%
1670 GeV	3.23743e-06 ± 74.913%
1675 GeV	3.08919e-06 ± 75.3447%
1680 GeV	2.95463e-06 ± 75.6731%
1685 GeV	2.82342e-06 ± 75.7975%
1690 GeV	2.69839e-06 ± 76.0439%

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1695 GeV	2.57532e-06 ± 76.2635%
1700 GeV	2.46152e-06 ± 76.5502%
1705 GeV	2.34857e-06 ± 76.766%
1710 GeV	2.24451e-06 ± 77.0473%
1715 GeV	2.14021e-06 ± 77.2746%
1720 GeV	2.04677e-06 ± 77.5533%
1725 GeV	1.95372e-06 ± 77.7772%
1730 GeV	1.86048e-06 ± 77.9748%
1735 GeV	1.77741e-06 ± 78.214%
1740 GeV	1.69437e-06 ± 78.4265%
1745 GeV	1.62103e-06 ± 78.686%
1750 GeV	1.54787e-06 ± 78.9421%
1755 GeV	1.4751e-06 ± 79.1298%
1760 GeV	1.41183e-06 ± 79.4251%
1765 GeV	1.349e-06 ± 79.6467%
1770 GeV	1.28636e-06 ± 79.8376%
1775 GeV	1.23335e-06 ± 80.1233%
1780 GeV	1.17107e-06 ± 80.2502%
1785 GeV	1.1186e-06 ± 80.4286%
1790 GeV	1.07112e-06 ± 80.7181%
1795 GeV	1.02252e-06 ± 80.9512%
1800 GeV	9.75991e-07 ± 81.1694%
1805 GeV	9.31511e-07 ± 81.3754%
1810 GeV	8.88824e-07 ± 81.6505%
1815 GeV	8.49058e-07 ± 81.8329%
1820 GeV	8.0962e-07 ± 82.0457%
1825 GeV	7.72409e-07 ± 82.2421%
1830 GeV	7.37391e-07 ± 82.5163%
1835 GeV	7.03971e-07 ± 82.7799%
1840 GeV	6.70944e-07 ± 82.9369%
1845 GeV	6.40037e-07 ± 83.1731%
1850 GeV	6.1113e-07 ± 83.3762%
1855 GeV	5.83083e-07 ± 83.6213%
1860 GeV	5.5642e-07 ± 83.8096%
1865 GeV	5.30434e-07 ± 84.0348%
1870 GeV	5.05814e-07 ± 84.1806%
1875 GeV	4.83082e-07 ± 84.4317%
1880 GeV	4.60528e-07 ± 84.5339%
1885 GeV	4.39656e-07 ± 84.8802%
1890 GeV	4.19288e-07 ± 85.0124%
1895 GeV	3.99673e-07 ± 85.1989%
1900 GeV	3.81321e-07 ± 85.3897%
1905 GeV	3.63996e-07 ± 85.5908%
1910 GeV	3.4667e-07 ± 85.7652%
1915 GeV	3.31343e-07 ± 86.0064%
1920 GeV	3.16137e-07 ± 86.1819%
1925 GeV	3.00911e-07 ± 86.3408%
1930 GeV	2.86711e-07 ± 86.5259%
1935 GeV	2.73552e-07 ± 86.7254%
1940 GeV	2.61425e-07 ± 86.9358%

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1945 GeV	2.4933e-07 ± 87.1286%
1950 GeV	2.37262e-07 ± 87.2759%
1955 GeV	2.26215e-07 ± 87.4677%
1960 GeV	2.15105e-07 ± 87.608%
1965 GeV	2.05139e-07 ± 87.7671%
1970 GeV	1.95112e-07 ± 87.9068%
1975 GeV	1.86114e-07 ± 88.1063%
1980 GeV	1.77122e-07 ± 88.2713%
1985 GeV	1.69244e-07 ± 88.4489%
1990 GeV	1.60279e-07 ± 88.5722%
1995 GeV	1.53405e-07 ± 88.7749%
2000 GeV	1.45492e-07 ± 88.8685%

-- SanjayPadhi - 09-Jun-2012

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