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# NNLO<sub>approx</sub> + NNLL

The squark-pair-production cross-section values reported below assume a 10-fold squark degeneracy.

Mass	Cross section (pb) $\pm$ Uncertainty (NNLO <sub>approx</sub> + NNLL)
200 GeV	7.55E+02 $\pm$ 6.47%
205 GeV	6.70E+02 $\pm$ 6.48%
210 GeV	5.97E+02 $\pm$ 6.48%
215 GeV	5.33E+02 $\pm$ 6.49%
220 GeV	4.76E+02 $\pm$ 6.49%
225 GeV	4.27E+02 $\pm$ 6.50%
230 GeV	3.83E+02 $\pm$ 6.51%
235 GeV	3.44E+02 $\pm$ 6.52%
240 GeV	3.10E+02 $\pm$ 6.53%
245 GeV	2.80E+02 $\pm$ 6.53%
250 GeV	2.53E+02 $\pm$ 6.54%
255 GeV	2.29E+02 $\pm$ 6.55%
260 GeV	2.08E+02 $\pm$ 6.56%
265 GeV	1.89E+02 $\pm$ 6.57%
270 GeV	1.72E+02 $\pm$ 6.58%
275 GeV	1.57E+02 $\pm$ 6.59%
280 GeV	1.43E+02 $\pm$ 6.60%
285 GeV	1.31E+02 $\pm$ 6.61%
290 GeV	1.19E+02 $\pm$ 6.63%
295 GeV	1.09E+02 $\pm$ 6.64%
300 GeV	1.00E+02 $\pm$ 6.65%
305 GeV	9.20E+01 $\pm$ 6.66%
310 GeV	8.45E+01 $\pm$ 6.68%
315 GeV	7.77E+01 $\pm$ 6.69%
320 GeV	7.16E+01 $\pm$ 6.70%
325 GeV	6.60E+01 $\pm$ 6.72%
330 GeV	6.09E+01 $\pm$ 6.73%
335 GeV	5.63E+01 $\pm$ 6.75%
340 GeV	5.20E+01 $\pm$ 6.77%
345 GeV	4.81E+01 $\pm$ 6.78%
350 GeV	4.46E+01 $\pm$ 6.80%
355 GeV	4.13E+01 $\pm$ 6.82%
360 GeV	3.83E+01 $\pm$ 6.83%
365 GeV	3.56E+01 $\pm$ 6.85%
370 GeV	3.31E+01 $\pm$ 6.87%
375 GeV	3.07E+01 $\pm$ 6.89%
380 GeV	2.86E+01 $\pm$ 6.91%
385 GeV	2.66E+01 $\pm$ 6.93%
390 GeV	2.48E+01 $\pm$ 6.95%
395 GeV	2.31E+01 $\pm$ 6.97%
400 GeV	2.16E+01 $\pm$ 6.99%
405 GeV	2.02E+01 $\pm$ 7.01%
410 GeV	1.88E+01 $\pm$ 7.03%
415 GeV	1.76E+01 $\pm$ 7.05%

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420 GeV	1.65E+01 ± 7.08%
425 GeV	1.54E+01 ± 7.10%
430 GeV	1.45E+01 ± 7.12%
435 GeV	1.35E+01 ± 7.15%
440 GeV	1.27E+01 ± 7.17%
445 GeV	1.19E+01 ± 7.20%
450 GeV	1.12E+01 ± 7.22%
455 GeV	1.05E+01 ± 7.25%
460 GeV	9.88E+00 ± 7.27%
465 GeV	9.29E+00 ± 7.30%
470 GeV	8.74E+00 ± 7.32%
475 GeV	8.23E+00 ± 7.34%
480 GeV	7.75E+00 ± 7.37%
485 GeV	7.30E+00 ± 7.39%
490 GeV	6.88E+00 ± 7.41%
495 GeV	6.48E+00 ± 7.43%
500 GeV	6.12E+00 ± 7.45%
505 GeV	5.77E+00 ± 7.47%
510 GeV	5.45E+00 ± 7.5%
515 GeV	5.15E+00 ± 7.53%
520 GeV	4.87E+00 ± 7.55%
525 GeV	4.60E+00 ± 7.58%
530 GeV	4.35E+00 ± 7.61%
535 GeV	4.11E+00 ± 7.64%
540 GeV	3.89E+00 ± 7.67%
545 GeV	3.69E+00 ± 7.7%
550 GeV	3.49E+00 ± 7.73%
555 GeV	3.31E+00 ± 7.76%
560 GeV	3.13E+00 ± 7.79%
565 GeV	2.97E+00 ± 7.82%
570 GeV	2.82E+00 ± 7.85%
575 GeV	2.67E+00 ± 7.88%
580 GeV	2.54E+00 ± 7.92%
585 GeV	2.41E+00 ± 7.95%
590 GeV	2.29E+00 ± 7.98%
595 GeV	2.17E+00 ± 8.01%
600 GeV	2.06E+00 ± 8.05%
605 GeV	1.96E+00 ± 8.08%
610 GeV	1.86E+00 ± 8.11%
615 GeV	1.77E+00 ± 8.14%
620 GeV	1.69E+00 ± 8.18%
625 GeV	1.60E+00 ± 8.21%
630 GeV	1.53E+00 ± 8.25%
635 GeV	1.45E+00 ± 8.28%
640 GeV	1.39E+00 ± 8.31%
645 GeV	1.32E+00 ± 8.35%
650 GeV	1.26E+00 ± 8.38%
655 GeV	1.20E+00 ± 8.42%
660 GeV	1.14E+00 ± 8.45%
665 GeV	1.09E+00 ± 8.49%

SUSYCrossSections13TeVsquarkantisquark < LHCPHysics < TWiki

670 GeV	1.04E+00 ± 8.52%
675 GeV	9.92E-01 ± 8.56%
680 GeV	9.46E-01 ± 8.59%
685 GeV	9.03E-01 ± 8.63%
690 GeV	8.62E-01 ± 8.67%
695 GeV	8.24E-01 ± 8.7%
700 GeV	7.87E-01 ± 8.74%
705 GeV	7.52E-01 ± 8.77%
710 GeV	7.18E-01 ± 8.81%
715 GeV	6.86E-01 ± 8.84%
720 GeV	6.56E-01 ± 8.88%
725 GeV	6.27E-01 ± 8.91%
730 GeV	6.00E-01 ± 8.95%
735 GeV	5.74E-01 ± 8.98%
740 GeV	5.49E-01 ± 9.02%
745 GeV	5.25E-01 ± 9.06%
750 GeV	5.03E-01 ± 9.09%
755 GeV	4.81E-01 ± 9.13%
760 GeV	4.61E-01 ± 9.16%
765 GeV	4.41E-01 ± 9.2%
770 GeV	4.23E-01 ± 9.24%
775 GeV	4.05E-01 ± 9.27%
780 GeV	3.88E-01 ± 9.31%
785 GeV	3.72E-01 ± 9.35%
790 GeV	3.57E-01 ± 9.39%
795 GeV	3.42E-01 ± 9.42%
800 GeV	3.28E-01 ± 9.46%
805 GeV	3.14E-01 ± 9.5%
810 GeV	3.02E-01 ± 9.54%
815 GeV	2.89E-01 ± 9.58%
820 GeV	2.78E-01 ± 9.62%
825 GeV	2.66E-01 ± 9.66%
830 GeV	2.56E-01 ± 9.7%
835 GeV	2.45E-01 ± 9.74%
840 GeV	2.36E-01 ± 9.78%
845 GeV	2.26E-01 ± 9.82%
850 GeV	2.17E-01 ± 9.86%
855 GeV	2.09E-01 ± 9.9%
860 GeV	2.01E-01 ± 9.94%
865 GeV	1.93E-01 ± 9.98%
870 GeV	1.85E-01 ± 10.02%
875 GeV	1.78E-01 ± 10.06%
880 GeV	1.71E-01 ± 10.1%
885 GeV	1.64E-01 ± 10.14%
890 GeV	1.58E-01 ± 10.18%
895 GeV	1.52E-01 ± 10.22%
900 GeV	1.46E-01 ± 10.26%
905 GeV	1.41E-01 ± 10.3%
910 GeV	1.35E-01 ± 10.34%
915 GeV	1.30E-01 ± 10.38%

920 GeV	1.25E-01 ± 10.42%
925 GeV	1.21E-01 ± 10.47%
930 GeV	1.16E-01 ± 10.51%
935 GeV	1.12E-01 ± 10.55%
940 GeV	1.08E-01 ± 10.59%
945 GeV	1.04E-01 ± 10.63%
950 GeV	9.97E-02 ± 10.67%
955 GeV	9.60E-02 ± 10.71%
960 GeV	9.25E-02 ± 10.76%
965 GeV	8.91E-02 ± 10.8%
970 GeV	8.58E-02 ± 10.84%
975 GeV	8.27E-02 ± 10.88%
980 GeV	7.97E-02 ± 10.93%
985 GeV	7.68E-02 ± 10.97%
990 GeV	7.40E-02 ± 11.01%
995 GeV	7.13E-02 ± 11.06%
1000 GeV	6.88E-02 ± 11.1%
1005 GeV	6.63E-02 ± 11.14%
1010 GeV	6.39E-02 ± 11.19%
1015 GeV	6.16E-02 ± 11.23%
1020 GeV	5.94E-02 ± 11.28%
1025 GeV	5.73E-02 ± 11.32%
1030 GeV	5.53E-02 ± 11.37%
1035 GeV	5.34E-02 ± 11.41%
1040 GeV	5.15E-02 ± 11.46%
1045 GeV	4.97E-02 ± 11.51%
1050 GeV	4.79E-02 ± 11.55%
1055 GeV	4.63E-02 ± 11.6%
1060 GeV	4.47E-02 ± 11.64%
1065 GeV	4.31E-02 ± 11.69%
1070 GeV	4.16E-02 ± 11.74%
1075 GeV	4.02E-02 ± 11.79%
1080 GeV	3.88E-02 ± 11.83%
1085 GeV	3.75E-02 ± 11.88%
1090 GeV	3.62E-02 ± 11.93%
1095 GeV	3.49E-02 ± 11.98%
1100 GeV	3.37E-02 ± 12.02%
1105 GeV	3.26E-02 ± 12.07%
1110 GeV	3.15E-02 ± 12.12%
1115 GeV	3.04E-02 ± 12.17%
1120 GeV	2.94E-02 ± 12.22%
1125 GeV	2.84E-02 ± 12.27%
1130 GeV	2.74E-02 ± 12.32%
1135 GeV	2.65E-02 ± 12.36%
1140 GeV	2.56E-02 ± 12.41%
1145 GeV	2.48E-02 ± 12.46%
1150 GeV	2.39E-02 ± 12.51%
1155 GeV	2.31E-02 ± 12.56%
1160 GeV	2.24E-02 ± 12.61%
1165 GeV	2.16E-02 ± 12.66%

1170 GeV	2.09E-02 ± 12.71%
1175 GeV	2.02E-02 ± 12.76%
1180 GeV	1.96E-02 ± 12.82%
1185 GeV	1.89E-02 ± 12.87%
1190 GeV	1.83E-02 ± 12.92%
1195 GeV	1.77E-02 ± 12.97%
1200 GeV	1.71E-02 ± 13.02%
1205 GeV	1.66E-02 ± 13.07%
1210 GeV	1.60E-02 ± 13.12%
1215 GeV	1.55E-02 ± 13.18%
1220 GeV	1.50E-02 ± 13.23%
1225 GeV	1.45E-02 ± 13.28%
1230 GeV	1.41E-02 ± 13.33%
1235 GeV	1.36E-02 ± 13.38%
1240 GeV	1.32E-02 ± 13.44%
1245 GeV	1.27E-02 ± 13.49%
1250 GeV	1.23E-02 ± 13.54%
1255 GeV	1.19E-02 ± 13.59%
1260 GeV	1.16E-02 ± 13.65%
1265 GeV	1.12E-02 ± 13.7%
1270 GeV	1.08E-02 ± 13.76%
1275 GeV	1.05E-02 ± 13.81%
1280 GeV	1.02E-02 ± 13.86%
1285 GeV	9.84E-03 ± 13.92%
1290 GeV	9.53E-03 ± 13.97%
1295 GeV	9.23E-03 ± 14.03%
1300 GeV	8.94E-03 ± 14.08%
1305 GeV	8.66E-03 ± 14.14%
1310 GeV	8.39E-03 ± 14.19%
1315 GeV	8.13E-03 ± 14.25%
1320 GeV	7.87E-03 ± 14.3%
1325 GeV	7.63E-03 ± 14.36%
1330 GeV	7.39E-03 ± 14.41%
1335 GeV	7.16E-03 ± 14.47%
1340 GeV	6.94E-03 ± 14.52%
1345 GeV	6.72E-03 ± 14.58%
1350 GeV	6.52E-03 ± 14.64%
1355 GeV	6.31E-03 ± 14.69%
1360 GeV	6.12E-03 ± 14.75%
1365 GeV	5.93E-03 ± 14.81%
1370 GeV	5.75E-03 ± 14.86%
1375 GeV	5.57E-03 ± 14.92%
1380 GeV	5.40E-03 ± 14.98%
1385 GeV	5.24E-03 ± 15.04%
1390 GeV	5.08E-03 ± 15.1%
1395 GeV	4.92E-03 ± 15.16%
1400 GeV	4.77E-03 ± 15.22%
1405 GeV	4.63E-03 ± 15.28%
1410 GeV	4.49E-03 ± 15.34%
1415 GeV	4.35E-03 ± 15.4%

1420 GeV	4.22E-03 ± 15.46%
1425 GeV	4.09E-03 ± 15.52%
1430 GeV	3.97E-03 ± 15.58%
1435 GeV	3.85E-03 ± 15.64%
1440 GeV	3.74E-03 ± 15.7%
1445 GeV	3.62E-03 ± 15.76%
1450 GeV	3.51E-03 ± 15.83%
1455 GeV	3.41E-03 ± 15.89%
1460 GeV	3.31E-03 ± 15.95%
1465 GeV	3.21E-03 ± 16.01%
1470 GeV	3.11E-03 ± 16.08%
1475 GeV	3.02E-03 ± 16.14%
1480 GeV	2.93E-03 ± 16.21%
1485 GeV	2.84E-03 ± 16.27%
1490 GeV	2.76E-03 ± 16.33%
1495 GeV	2.68E-03 ± 16.4%
1500 GeV	2.60E-03 ± 16.46%
1505 GeV	2.52E-03 ± 16.53%
1510 GeV	2.45E-03 ± 16.59%
1515 GeV	2.38E-03 ± 16.65%
1520 GeV	2.31E-03 ± 16.72%
1525 GeV	2.24E-03 ± 16.78%
1530 GeV	2.17E-03 ± 16.85%
1535 GeV	2.11E-03 ± 16.91%
1540 GeV	2.05E-03 ± 16.98%
1545 GeV	1.99E-03 ± 17.05%
1550 GeV	1.93E-03 ± 17.11%
1555 GeV	1.87E-03 ± 17.18%
1560 GeV	1.82E-03 ± 17.25%
1565 GeV	1.76E-03 ± 17.31%
1570 GeV	1.71E-03 ± 17.38%
1575 GeV	1.66E-03 ± 17.45%
1580 GeV	1.62E-03 ± 17.51%
1585 GeV	1.57E-03 ± 17.58%
1590 GeV	1.52E-03 ± 17.65%
1595 GeV	1.48E-03 ± 17.72%
1600 GeV	1.44E-03 ± 17.79%
1605 GeV	1.40E-03 ± 17.86%
1610 GeV	1.36E-03 ± 17.93%
1615 GeV	1.32E-03 ± 18.0%
1620 GeV	1.28E-03 ± 18.07%
1625 GeV	1.24E-03 ± 18.14%
1630 GeV	1.21E-03 ± 18.21%
1635 GeV	1.17E-03 ± 18.28%
1640 GeV	1.14E-03 ± 18.35%
1645 GeV	1.11E-03 ± 18.43%
1650 GeV	1.07E-03 ± 18.5%
1655 GeV	1.04E-03 ± 18.57%
1660 GeV	1.01E-03 ± 18.64%
1665 GeV	9.85E-04 ± 18.72%

1670 GeV	9.57E-04 ± 18.79%
1675 GeV	9.30E-04 ± 18.86%
1680 GeV	9.03E-04 ± 18.94%
1685 GeV	8.78E-04 ± 19.01%
1690 GeV	8.53E-04 ± 19.08%
1695 GeV	8.29E-04 ± 19.16%
1700 GeV	8.05E-04 ± 19.23%
1705 GeV	7.82E-04 ± 19.31%
1710 GeV	7.60E-04 ± 19.38%
1715 GeV	7.39E-04 ± 19.45%
1720 GeV	7.18E-04 ± 19.53%
1725 GeV	6.98E-04 ± 19.6%
1730 GeV	6.78E-04 ± 19.68%
1735 GeV	6.59E-04 ± 19.76%
1740 GeV	6.41E-04 ± 19.83%
1745 GeV	6.23E-04 ± 19.91%
1750 GeV	6.05E-04 ± 19.98%
1755 GeV	5.88E-04 ± 20.06%
1760 GeV	5.72E-04 ± 20.14%
1765 GeV	5.56E-04 ± 20.21%
1770 GeV	5.40E-04 ± 20.29%
1775 GeV	5.25E-04 ± 20.37%
1780 GeV	5.11E-04 ± 20.45%
1785 GeV	4.96E-04 ± 20.53%
1790 GeV	4.83E-04 ± 20.6%
1795 GeV	4.69E-04 ± 20.68%
1800 GeV	4.56E-04 ± 20.76%
1805 GeV	4.43E-04 ± 20.84%
1810 GeV	4.31E-04 ± 20.92%
1815 GeV	4.19E-04 ± 21.0%
1820 GeV	4.08E-04 ± 21.08%
1825 GeV	3.96E-04 ± 21.17%
1830 GeV	3.85E-04 ± 21.25%
1835 GeV	3.75E-04 ± 21.33%
1840 GeV	3.64E-04 ± 21.41%
1845 GeV	3.54E-04 ± 21.49%
1850 GeV	3.44E-04 ± 21.58%
1855 GeV	3.35E-04 ± 21.66%
1860 GeV	3.26E-04 ± 21.74%
1865 GeV	3.17E-04 ± 21.83%
1870 GeV	3.08E-04 ± 21.91%
1875 GeV	3.00E-04 ± 21.99%
1880 GeV	2.91E-04 ± 22.08%
1885 GeV	2.83E-04 ± 22.16%
1890 GeV	2.76E-04 ± 22.25%
1895 GeV	2.68E-04 ± 22.33%
1900 GeV	2.61E-04 ± 22.42%
1905 GeV	2.54E-04 ± 22.51%
1910 GeV	2.47E-04 ± 22.59%
1915 GeV	2.40E-04 ± 22.68%



1920 GeV	2.33E-04 ± 22.77%
1925 GeV	2.27E-04 ± 22.85%
1930 GeV	2.21E-04 ± 22.94%
1935 GeV	2.15E-04 ± 23.03%
1940 GeV	2.09E-04 ± 23.12%
1945 GeV	2.03E-04 ± 23.2%
1950 GeV	1.98E-04 ± 23.29%
1955 GeV	1.92E-04 ± 23.38%
1960 GeV	1.87E-04 ± 23.47%
1965 GeV	1.82E-04 ± 23.56%
1970 GeV	1.77E-04 ± 23.65%
1975 GeV	1.72E-04 ± 23.74%
1980 GeV	1.68E-04 ± 23.83%
1985 GeV	1.63E-04 ± 23.92%
1990 GeV	1.59E-04 ± 24.01%
1995 GeV	1.54E-04 ± 24.11%
2000 GeV	1.50E-04 ± 24.2%
2005 GeV	1.46E-04 ± 24.29%
2010 GeV	1.42E-04 ± 24.38%
2015 GeV	1.38E-04 ± 24.48%
2020 GeV	1.35E-04 ± 24.57%
2025 GeV	1.31E-04 ± 24.67%
2030 GeV	1.27E-04 ± 24.76%
2035 GeV	1.24E-04 ± 24.86%
2040 GeV	1.21E-04 ± 24.95%
2045 GeV	1.17E-04 ± 25.05%
2050 GeV	1.14E-04 ± 25.14%
2055 GeV	1.11E-04 ± 25.24%
2060 GeV	1.08E-04 ± 25.34%
2065 GeV	1.05E-04 ± 25.43%
2070 GeV	1.02E-04 ± 25.53%
2075 GeV	9.96E-05 ± 25.63%
2080 GeV	9.70E-05 ± 25.73%
2085 GeV	9.44E-05 ± 25.83%
2090 GeV	9.18E-05 ± 25.93%
2095 GeV	8.94E-05 ± 26.03%
2100 GeV	8.70E-05 ± 26.13%
2105 GeV	8.46E-05 ± 26.23%
2110 GeV	8.24E-05 ± 26.33%
2115 GeV	8.02E-05 ± 26.43%
2120 GeV	7.80E-05 ± 26.53%
2125 GeV	7.59E-05 ± 26.63%
2130 GeV	7.39E-05 ± 26.73%
2135 GeV	7.19E-05 ± 26.84%
2140 GeV	7.00E-05 ± 26.94%
2145 GeV	6.81E-05 ± 27.04%
2150 GeV	6.63E-05 ± 27.15%
2155 GeV	6.45E-05 ± 27.25%
2160 GeV	6.28E-05 ± 27.35%
2165 GeV	6.12E-05 ± 27.46%

2170 GeV	5.95E-05 ± 27.57%
2175 GeV	5.79E-05 ± 27.67%
2180 GeV	5.64E-05 ± 27.78%
2185 GeV	5.49E-05 ± 27.89%
2190 GeV	5.34E-05 ± 27.99%
2195 GeV	5.20E-05 ± 28.1%
2200 GeV	5.06E-05 ± 28.21%
2205 GeV	4.93E-05 ± 28.32%
2210 GeV	4.80E-05 ± 28.43%
2215 GeV	4.67E-05 ± 28.54%
2220 GeV	4.55E-05 ± 28.65%
2225 GeV	4.42E-05 ± 28.76%
2230 GeV	4.31E-05 ± 28.87%
2235 GeV	4.19E-05 ± 28.99%
2240 GeV	4.08E-05 ± 29.1%
2245 GeV	3.97E-05 ± 29.21%
2250 GeV	3.87E-05 ± 29.33%
2255 GeV	3.77E-05 ± 29.44%
2260 GeV	3.67E-05 ± 29.56%
2265 GeV	3.57E-05 ± 29.67%
2270 GeV	3.47E-05 ± 29.79%
2275 GeV	3.38E-05 ± 29.91%
2280 GeV	3.29E-05 ± 30.02%
2285 GeV	3.21E-05 ± 30.14%
2290 GeV	3.12E-05 ± 30.26%
2295 GeV	3.04E-05 ± 30.38%
2300 GeV	2.96E-05 ± 30.5%
2305 GeV	2.88E-05 ± 30.62%
2310 GeV	2.80E-05 ± 30.74%
2315 GeV	2.73E-05 ± 30.86%
2320 GeV	2.66E-05 ± 30.98%
2325 GeV	2.59E-05 ± 31.1%
2330 GeV	2.52E-05 ± 31.22%
2335 GeV	2.45E-05 ± 31.35%
2340 GeV	2.39E-05 ± 31.47%
2345 GeV	2.33E-05 ± 31.59%
2350 GeV	2.26E-05 ± 31.72%
2355 GeV	2.20E-05 ± 31.84%
2360 GeV	2.15E-05 ± 31.97%
2365 GeV	2.09E-05 ± 32.09%
2370 GeV	2.03E-05 ± 32.22%
2375 GeV	1.98E-05 ± 32.35%
2380 GeV	1.93E-05 ± 32.48%
2385 GeV	1.88E-05 ± 32.6%
2390 GeV	1.83E-05 ± 32.73%
2395 GeV	1.78E-05 ± 32.86%
2400 GeV	1.73E-05 ± 32.99%
2405 GeV	1.69E-05 ± 33.12%
2410 GeV	1.64E-05 ± 33.26%
2415 GeV	1.60E-05 ± 33.39%

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2420 GeV	1.56E-05 ± 33.52%
2425 GeV	1.52E-05 ± 33.65%
2430 GeV	1.48E-05 ± 33.79%
2435 GeV	1.44E-05 ± 33.92%
2440 GeV	1.40E-05 ± 34.06%
2445 GeV	1.36E-05 ± 34.19%
2450 GeV	1.33E-05 ± 34.33%
2455 GeV	1.29E-05 ± 34.47%
2460 GeV	1.26E-05 ± 34.61%
2465 GeV	1.23E-05 ± 34.75%
2470 GeV	1.19E-05 ± 34.89%
2475 GeV	1.16E-05 ± 35.03%
2480 GeV	1.13E-05 ± 35.17%
2485 GeV	1.10E-05 ± 35.31%
2490 GeV	1.07E-05 ± 35.46%
2495 GeV	1.05E-05 ± 35.6%
2500 GeV	1.02E-05 ± 35.75%
2505 GeV	9.91E-06 ± 35.89%
2510 GeV	9.65E-06 ± 36.04%
2515 GeV	9.40E-06 ± 36.19%
2520 GeV	9.15E-06 ± 36.34%
2525 GeV	8.91E-06 ± 36.49%
2530 GeV	8.68E-06 ± 36.64%
2535 GeV	8.45E-06 ± 36.8%
2540 GeV	8.23E-06 ± 36.95%
2545 GeV	8.01E-06 ± 37.1%
2550 GeV	7.80E-06 ± 37.26%
2555 GeV	7.60E-06 ± 37.42%
2560 GeV	7.40E-06 ± 37.57%
2565 GeV	7.21E-06 ± 37.73%
2570 GeV	7.02E-06 ± 37.89%
2575 GeV	6.83E-06 ± 38.06%
2580 GeV	6.65E-06 ± 38.22%
2585 GeV	6.48E-06 ± 38.38%
2590 GeV	6.31E-06 ± 38.55%
2595 GeV	6.14E-06 ± 38.71%
2600 GeV	5.98E-06 ± 38.88%
2605 GeV	5.83E-06 ± 39.05%
2610 GeV	5.67E-06 ± 39.22%
2615 GeV	5.53E-06 ± 39.39%
2620 GeV	5.38E-06 ± 39.56%
2625 GeV	5.24E-06 ± 39.74%
2630 GeV	5.10E-06 ± 39.91%
2635 GeV	4.97E-06 ± 40.09%
2640 GeV	4.84E-06 ± 40.27%
2645 GeV	4.71E-06 ± 40.45%
2650 GeV	4.59E-06 ± 40.63%
2655 GeV	4.47E-06 ± 40.81%
2660 GeV	4.35E-06 ± 40.99%
2665 GeV	4.24E-06 ± 41.17%

2670 GeV	4.13E-06 ± 41.35%
2675 GeV	4.02E-06 ± 41.53%
2680 GeV	3.91E-06 ± 41.72%
2685 GeV	3.81E-06 ± 41.9%
2690 GeV	3.71E-06 ± 42.09%
2695 GeV	3.61E-06 ± 42.28%
2700 GeV	3.52E-06 ± 42.46%
2705 GeV	3.43E-06 ± 42.65%
2710 GeV	3.34E-06 ± 42.84%
2715 GeV	3.25E-06 ± 43.03%
2720 GeV	3.16E-06 ± 43.22%
2725 GeV	3.08E-06 ± 43.41%
2730 GeV	3.00E-06 ± 43.6%
2735 GeV	2.92E-06 ± 43.79%
2740 GeV	2.85E-06 ± 43.98%
2745 GeV	2.77E-06 ± 44.17%
2750 GeV	2.70E-06 ± 44.36%
2755 GeV	2.63E-06 ± 44.56%
2760 GeV	2.56E-06 ± 44.75%
2765 GeV	2.49E-06 ± 44.95%
2770 GeV	2.43E-06 ± 45.14%
2775 GeV	2.36E-06 ± 45.33%
2780 GeV	2.30E-06 ± 45.53%
2785 GeV	2.24E-06 ± 45.73%
2790 GeV	2.18E-06 ± 45.92%
2795 GeV	2.13E-06 ± 46.12%
2800 GeV	2.07E-06 ± 46.31%
2805 GeV	2.02E-06 ± 46.51%
2810 GeV	1.96E-06 ± 46.7%
2815 GeV	1.91E-06 ± 46.89%
2820 GeV	1.86E-06 ± 47.09%
2825 GeV	1.81E-06 ± 47.28%
2830 GeV	1.77E-06 ± 47.47%
2835 GeV	1.72E-06 ± 47.67%
2840 GeV	1.68E-06 ± 47.86%
2845 GeV	1.63E-06 ± 48.06%
2850 GeV	1.59E-06 ± 48.26%
2855 GeV	1.55E-06 ± 48.45%
2860 GeV	1.51E-06 ± 48.65%
2865 GeV	1.47E-06 ± 48.85%
2870 GeV	1.43E-06 ± 49.05%
2875 GeV	1.39E-06 ± 49.25%
2880 GeV	1.36E-06 ± 49.46%
2885 GeV	1.32E-06 ± 49.66%
2890 GeV	1.29E-06 ± 49.86%
2895 GeV	1.25E-06 ± 50.07%
2900 GeV	1.22E-06 ± 50.28%
2905 GeV	1.19E-06 ± 50.48%
2910 GeV	1.16E-06 ± 50.69%
2915 GeV	1.13E-06 ± 50.9%

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2920 GeV	1.10E-06 ± 51.12%
2925 GeV	1.07E-06 ± 51.33%
2930 GeV	1.04E-06 ± 51.55%
2935 GeV	1.01E-06 ± 51.76%
2940 GeV	9.88E-07 ± 51.98%
2945 GeV	9.62E-07 ± 52.2%
2950 GeV	9.37E-07 ± 52.42%
2955 GeV	9.13E-07 ± 52.65%
2960 GeV	8.89E-07 ± 52.87%
2965 GeV	8.66E-07 ± 53.1%
2970 GeV	8.43E-07 ± 53.33%
2975 GeV	8.21E-07 ± 53.56%
2980 GeV	8.00E-07 ± 53.79%
2985 GeV	7.79E-07 ± 54.03%
2990 GeV	7.59E-07 ± 54.26%
2995 GeV	7.39E-07 ± 54.5%
3000 GeV	7.20E-07 ± 54.75%

Contact: Alexander Mann, 2019

# NLO + NLL

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The squark-pair-production cross-section values reported below assume a 10-fold squark degeneracy. A comparison plot between NLO+NLL and NNLO<sub>approx</sub> + NNLL can be found [here](#).

Mass	Nominal (pb) $\pm$ Uncertainty (NLO + NLL)
200 GeV	647.123 $\pm$ 14.4819%
205 GeV	576.264 $\pm$ 14.3825%
210 GeV	514.437 $\pm$ 14.3718%
215 GeV	459.222 $\pm$ 14.2586%
220 GeV	411.197 $\pm$ 14.2776%
225 GeV	368.664 $\pm$ 14.1002%
230 GeV	331.203 $\pm$ 14.1749%
235 GeV	297.854 $\pm$ 14.2164%
240 GeV	268.031 $\pm$ 14.0526%
245 GeV	241.675 $\pm$ 14.017%
250 GeV	218.466 $\pm$ 13.9076%
255 GeV	197.78 $\pm$ 13.9698%
260 GeV	179.031 $\pm$ 14.0635%
265 GeV	162.892 $\pm$ 13.7607%
270 GeV	147.722 $\pm$ 14.1152%
275 GeV	134.621 $\pm$ 13.7035%
280 GeV	122.495 $\pm$ 14.0755%
285 GeV	111.92 $\pm$ 13.9511%
290 GeV	102.257 $\pm$ 13.8374%
295 GeV	93.5774 $\pm$ 13.8143%
300 GeV	85.6773 $\pm$ 13.7874%
305 GeV	78.5774 $\pm$ 13.7698%
310 GeV	72.17 $\pm$ 13.7373%
315 GeV	66.3205 $\pm$ 13.71%
320 GeV	61.0706 $\pm$ 13.6885%
325 GeV	56.2826 $\pm$ 13.6791%
330 GeV	51.9003 $\pm$ 13.6959%
335 GeV	47.9148 $\pm$ 13.6427%
340 GeV	44.2862 $\pm$ 13.7132%
345 GeV	40.9551 $\pm$ 13.7445%
350 GeV	37.9377 $\pm$ 13.7445%
355 GeV	35.1596 $\pm$ 13.5904%
360 GeV	32.6448 $\pm$ 13.5424%
365 GeV	30.273 $\pm$ 13.644%
370 GeV	28.2051 $\pm$ 13.7116%
375 GeV	26.1927 $\pm$ 13.5839%
380 GeV	24.4302 $\pm$ 13.627%
385 GeV	22.7675 $\pm$ 13.6255%
390 GeV	21.2082 $\pm$ 13.671%
395 GeV	19.7936 $\pm$ 13.4109%
400 GeV	18.4856 $\pm$ 13.6049%
405 GeV	17.2226 $\pm$ 13.5856%

410 GeV	16.1212 ± 13.7752%
415 GeV	15.062 ± 13.6937%
420 GeV	14.1029 ± 13.579%
425 GeV	13.1981 ± 13.749%
430 GeV	12.3438 ± 13.6286%
435 GeV	11.5839 ± 13.359%
440 GeV	10.8808 ± 13.5647%
445 GeV	10.2027 ± 13.5204%
450 GeV	9.57232 ± 13.4818%
455 GeV	8.99484 ± 13.4881%
460 GeV	8.45567 ± 13.4068%
465 GeV	7.94683 ± 13.4272%
470 GeV	7.47989 ± 13.3942%
475 GeV	7.0409 ± 13.3916%
480 GeV	6.63465 ± 13.3295%
485 GeV	6.24667 ± 13.2972%
490 GeV	5.88974 ± 13.3993%
495 GeV	5.55371 ± 13.3035%
500 GeV	5.24259 ± 13.3117%
505 GeV	4.95179 ± 13.2598%
510 GeV	4.66923 ± 13.2386%
515 GeV	4.40697 ± 13.2169%
520 GeV	4.16639 ± 13.1123%
525 GeV	3.94057 ± 13.1741%
530 GeV	3.72433 ± 13.2043%
535 GeV	3.52298 ± 13.1003%
540 GeV	3.32856 ± 13.1226%
545 GeV	3.15229 ± 13.1523%
550 GeV	2.9864 ± 13.133%
555 GeV	2.83204 ± 13.1168%
560 GeV	2.681 ± 12.9114%
565 GeV	2.54074 ± 13.0752%
570 GeV	2.40583 ± 13.0504%
575 GeV	2.28584 ± 13.1663%
580 GeV	2.17082 ± 13.123%
585 GeV	2.06052 ± 12.8089%
590 GeV	1.95681 ± 13.1688%
595 GeV	1.86157 ± 13.0484%
600 GeV	1.76645 ± 12.9555%
605 GeV	1.67649 ± 13.1135%
610 GeV	1.59243 ± 12.9743%
615 GeV	1.51752 ± 12.8072%
620 GeV	1.44774 ± 12.9264%
625 GeV	1.37806 ± 13.0578%
630 GeV	1.30884 ± 13.2149%
635 GeV	1.24465 ± 12.9952%
640 GeV	1.18508 ± 13.173%
645 GeV	1.12974 ± 12.8793%
650 GeV	1.08047 ± 12.9575%
655 GeV	1.03087 ± 13.1015%

660 GeV	0.981828 ± 13.2156%
665 GeV	0.934859 ± 13.1495%
670 GeV	0.892535 ± 13.1479%
675 GeV	0.851836 ± 13.1774%
680 GeV	0.813163 ± 13.2073%
685 GeV	0.776334 ± 13.1745%
690 GeV	0.741622 ± 13.1849%
695 GeV	0.708497 ± 13.1928%
700 GeV	0.677259 ± 13.2583%
705 GeV	0.647281 ± 13.2892%
710 GeV	0.619209 ± 13.3606%
715 GeV	0.592224 ± 13.3862%
720 GeV	0.567269 ± 13.4088%
725 GeV	0.543133 ± 13.4882%
730 GeV	0.520164 ± 13.5137%
735 GeV	0.497146 ± 13.5459%
740 GeV	0.477052 ± 13.6138%
745 GeV	0.457041 ± 13.6397%
750 GeV	0.437009 ± 13.6785%
755 GeV	0.419022 ± 13.7007%
760 GeV	0.401888 ± 13.782%
765 GeV	0.384857 ± 13.8149%
770 GeV	0.369816 ± 13.8324%
775 GeV	0.354842 ± 13.8677%
780 GeV	0.339672 ± 13.9475%
785 GeV	0.326626 ± 13.9694%
790 GeV	0.312596 ± 14.0176%
795 GeV	0.300457 ± 14.0908%
800 GeV	0.288396 ± 14.1149%
805 GeV	0.277341 ± 14.1425%
810 GeV	0.266073 ± 14.177%
815 GeV	0.254922 ± 14.2721%
820 GeV	0.244866 ± 14.3034%
825 GeV	0.235635 ± 14.3475%
830 GeV	0.226532 ± 14.3895%
835 GeV	0.217309 ± 14.4336%
840 GeV	0.209274 ± 14.4493%
845 GeV	0.201152 ± 14.5336%
850 GeV	0.192979 ± 14.5966%
855 GeV	0.185923 ± 14.6315%
860 GeV	0.178718 ± 14.6774%
865 GeV	0.171653 ± 14.7153%
870 GeV	0.164543 ± 14.8089%
875 GeV	0.158389 ± 14.8425%
880 GeV	0.152359 ± 14.867%
885 GeV	0.147204 ± 14.9224%
890 GeV	0.141088 ± 15.0128%
895 GeV	0.136011 ± 15.0096%
900 GeV	0.130931 ± 15.0806%
905 GeV	0.125868 ± 15.1762%



910 GeV	0.1218 ± 15.1514%
915 GeV	0.116718 ± 15.2446%
920 GeV	0.112638 ± 15.3262%
925 GeV	0.108617 ± 15.3538%
930 GeV	0.104507 ± 15.3998%
935 GeV	0.100444 ± 15.4833%
940 GeV	0.0968237 ± 15.5149%
945 GeV	0.0932657 ± 15.5923%
950 GeV	0.0898112 ± 15.6729%
955 GeV	0.0865572 ± 15.6699%
960 GeV	0.0834102 ± 15.7449%
965 GeV	0.0804756 ± 15.8326%
970 GeV	0.0775584 ± 15.8687%
975 GeV	0.0748161 ± 15.9426%
980 GeV	0.0721752 ± 16.0179%
985 GeV	0.0695311 ± 16.0181%
990 GeV	0.067093 ± 16.0962%
995 GeV	0.0646722 ± 16.1432%
1000 GeV	0.0624391 ± 16.2195%
1005 GeV	0.0602317 ± 16.2524%
1010 GeV	0.0582097 ± 16.3358%
1015 GeV	0.0562005 ± 16.369%
1020 GeV	0.05417 ± 16.4512%
1025 GeV	0.0523424 ± 16.4375%
1030 GeV	0.0505204 ± 16.5325%
1035 GeV	0.0488126 ± 16.562%
1040 GeV	0.0471053 ± 16.5943%
1045 GeV	0.0455808 ± 16.6644%
1050 GeV	0.0439731 ± 16.6985%
1055 GeV	0.042552 ± 16.8004%
1060 GeV	0.0410441 ± 16.8366%
1065 GeV	0.0397376 ± 16.8632%
1070 GeV	0.0384145 ± 16.9362%
1075 GeV	0.0371126 ± 16.9894%
1080 GeV	0.0358894 ± 16.9815%
1085 GeV	0.0346665 ± 17.0692%
1090 GeV	0.0334597 ± 17.1012%
1095 GeV	0.0324417 ± 17.1689%
1100 GeV	0.0313372 ± 17.2245%
1105 GeV	0.0303301 ± 17.2581%
1110 GeV	0.0293082 ± 17.3588%
1115 GeV	0.028402 ± 17.396%
1120 GeV	0.027369 ± 17.4568%
1125 GeV	0.0265647 ± 17.4822%
1130 GeV	0.0256493 ± 17.5958%
1135 GeV	0.0248414 ± 17.6324%
1140 GeV	0.0240272 ± 17.7108%
1145 GeV	0.0232073 ± 17.7299%
1150 GeV	0.0224935 ± 17.8068%
1155 GeV	0.0217885 ± 17.8353%

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1160 GeV	0.0210738 ± 17.9581%
1165 GeV	0.0203671 ± 18.0072%
1170 GeV	0.0197444 ± 18.0459%
1175 GeV	0.0191402 ± 18.0791%
1180 GeV	0.0185254 ± 18.1758%
1185 GeV	0.0179203 ± 18.2092%
1190 GeV	0.0174007 ± 18.2528%
1195 GeV	0.0167944 ± 18.3108%
1200 GeV	0.0162846 ± 18.4017%
1205 GeV	0.0157704 ± 18.4962%
1210 GeV	0.0152578 ± 18.491%
1215 GeV	0.014745 ± 18.5983%
1220 GeV	0.0143423 ± 18.6099%
1225 GeV	0.0139255 ± 18.6562%
1230 GeV	0.0134218 ± 18.704%
1235 GeV	0.0129991 ± 18.9004%
1240 GeV	0.0125998 ± 18.8%
1245 GeV	0.0121898 ± 18.8862%
1250 GeV	0.0118571 ± 19.2078%
1255 GeV	0.0114726 ± 18.9565%
1260 GeV	0.0111316 ± 19.3885%
1265 GeV	0.0107587 ± 19.1136%
1270 GeV	0.0104346 ± 19.2941%
1275 GeV	0.010118 ± 19.3682%
1280 GeV	0.00980699 ± 19.4994%
1285 GeV	0.00950018 ± 19.5837%
1290 GeV	0.00921049 ± 19.6208%
1295 GeV	0.00893137 ± 19.77%
1300 GeV	0.0086557 ± 19.8532%
1305 GeV	0.00839044 ± 19.938%
1310 GeV	0.00813531 ± 20.0215%
1315 GeV	0.00789047 ± 20.1048%
1320 GeV	0.00765264 ± 20.2666%
1325 GeV	0.00741995 ± 20.3209%
1330 GeV	0.00720162 ± 20.473%
1335 GeV	0.0069817 ± 20.4833%
1340 GeV	0.00677688 ± 20.6716%
1345 GeV	0.00657365 ± 20.7687%
1350 GeV	0.00637816 ± 20.8815%
1355 GeV	0.0061846 ± 20.9629%
1360 GeV	0.00600128 ± 21.0402%
1365 GeV	0.00582403 ± 21.2046%
1370 GeV	0.00564975 ± 21.3367%
1375 GeV	0.00548729 ± 21.404%
1380 GeV	0.00532245 ± 21.6145%
1385 GeV	0.00516408 ± 21.5896%
1390 GeV	0.00500997 ± 21.6988%
1395 GeV	0.00486428 ± 21.8769%
1400 GeV	0.00472062 ± 21.9859%
1405 GeV	0.00457838 ± 22.0522%

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1410 GeV	0.00444646 ± 22.1098%
1415 GeV	0.00431954 ± 22.3156%
1420 GeV	0.00418555 ± 22.3442%
1425 GeV	0.00406326 ± 22.4556%
1430 GeV	0.00394673 ± 22.6671%
1435 GeV	0.00382517 ± 22.7321%
1440 GeV	0.00371903 ± 22.9433%
1445 GeV	0.00360627 ± 22.9688%
1450 GeV	0.00350484 ± 23.0346%
1455 GeV	0.0033998 ± 23.237%
1460 GeV	0.00329856 ± 23.3314%
1465 GeV	0.00320875 ± 23.3443%
1470 GeV	0.00311287 ± 23.5932%
1475 GeV	0.00302138 ± 23.5899%
1480 GeV	0.0029364 ± 23.8261%
1485 GeV	0.00285079 ± 23.6633%
1490 GeV	0.00276624 ± 23.9217%
1495 GeV	0.00269197 ± 24.1416%
1500 GeV	0.00261222 ± 24.1631%
1505 GeV	0.00253875 ± 24.3735%
1510 GeV	0.00247025 ± 24.4485%
1515 GeV	0.00239664 ± 24.6732%
1520 GeV	0.00232753 ± 24.6651%
1525 GeV	0.00226595 ± 24.9068%
1530 GeV	0.00220017 ± 24.7012%
1535 GeV	0.00213696 ± 24.926%
1540 GeV	0.00208593 ± 25.1365%
1545 GeV	0.00202257 ± 25.3823%
1550 GeV	0.0019636 ± 25.3454%
1555 GeV	0.00191116 ± 25.662%
1560 GeV	0.0018585 ± 25.8822%
1565 GeV	0.00181034 ± 25.796%
1570 GeV	0.00175834 ± 26.0932%
1575 GeV	0.00170917 ± 26.0678%
1580 GeV	0.00166086 ± 25.9705%
1585 GeV	0.00161877 ± 26.1877%
1590 GeV	0.00157092 ± 26.1465%
1595 GeV	0.00152798 ± 26.4102%
1600 GeV	0.00148553 ± 26.6472%
1605 GeV	0.00144251 ± 26.9422%
1610 GeV	0.00140383 ± 26.7641%
1615 GeV	0.00136078 ± 27.0766%
1620 GeV	0.00132858 ± 27.3245%
1625 GeV	0.00128986 ± 27.1445%
1630 GeV	0.00125766 ± 27.4026%
1635 GeV	0.00121903 ± 27.2976%
1640 GeV	0.00118487 ± 27.6863%
1645 GeV	0.00115306 ± 27.9321%
1650 GeV	0.00112118 ± 28.1032%
1655 GeV	0.00109063 ± 28.2205%

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1660 GeV	0.00106015 ± 28.3336%
1665 GeV	0.00103 ± 28.3145%
1670 GeV	0.00100058 ± 28.4227%
1675 GeV	0.000972424 ± 28.5388%
1680 GeV	0.000946146 ± 28.6347%
1685 GeV	0.000920175 ± 28.8298%
1690 GeV	0.000894516 ± 28.8925%
1695 GeV	0.000870061 ± 29.0242%
1700 GeV	0.000846524 ± 29.1726%
1705 GeV	0.000823556 ± 29.2629%
1710 GeV	0.000801102 ± 29.4038%
1715 GeV	0.000780508 ± 29.4979%
1720 GeV	0.000759081 ± 29.638%
1725 GeV	0.000738959 ± 29.7268%
1730 GeV	0.00071944 ± 29.8281%
1735 GeV	0.000700094 ± 29.96%
1740 GeV	0.000681169 ± 30.0109%
1745 GeV	0.000663196 ± 30.1652%
1750 GeV	0.000646271 ± 30.2417%
1755 GeV	0.000628653 ± 30.3182%
1760 GeV	0.00061246 ± 30.4234%
1765 GeV	0.000596726 ± 30.519%
1770 GeV	0.000580561 ± 30.641%
1775 GeV	0.000564995 ± 30.6936%
1780 GeV	0.000550449 ± 30.8778%
1785 GeV	0.000535537 ± 31.0345%
1790 GeV	0.000521567 ± 31.0842%
1795 GeV	0.000507639 ± 31.2144%
1800 GeV	0.000494604 ± 31.3049%
1805 GeV	0.000481468 ± 31.3967%
1810 GeV	0.000468566 ± 31.5167%
1815 GeV	0.00045642 ± 31.6391%
1820 GeV	0.000443888 ± 31.8513%
1825 GeV	0.000433133 ± 31.9279%
1830 GeV	0.000420932 ± 32.0682%
1835 GeV	0.000409923 ± 32.1237%
1840 GeV	0.000399551 ± 32.3032%
1845 GeV	0.000388621 ± 32.4496%
1850 GeV	0.000378227 ± 32.6422%
1855 GeV	0.000368147 ± 32.7273%
1860 GeV	0.000359063 ± 32.9325%
1865 GeV	0.000348978 ± 33.0239%
1870 GeV	0.000339637 ± 33.2109%
1875 GeV	0.000331521 ± 33.437%
1880 GeV	0.000322607 ± 33.4553%
1885 GeV	0.000314258 ± 33.6613%
1890 GeV	0.000306048 ± 33.8375%
1895 GeV	0.000297806 ± 34.1003%
1900 GeV	0.000289986 ± 34.0784%
1905 GeV	0.000282839 ± 34.2301%

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1910 GeV	0.00027504 ± 34.2827%
1915 GeV	0.000267844 ± 34.434%
1920 GeV	0.000260595 ± 34.6473%
1925 GeV	0.000254625 ± 34.7808%
1930 GeV	0.000247335 ± 34.9987%
1935 GeV	0.000241262 ± 35.1189%
1940 GeV	0.000234596 ± 35.0816%
1945 GeV	0.000228387 ± 35.2599%
1950 GeV	0.000223058 ± 35.6109%
1955 GeV	0.000217311 ± 35.5372%
1960 GeV	0.000211162 ± 35.6857%
1965 GeV	0.000206251 ± 35.7757%
1970 GeV	0.000200737 ± 36.2081%
1975 GeV	0.000195694 ± 36.2961%
1980 GeV	0.000190682 ± 36.465%
1985 GeV	0.000185629 ± 36.5595%
1990 GeV	0.000180592 ± 36.6756%
1995 GeV	0.000175997 ± 36.5186%
2000 GeV	0.000171615 ± 36.8769%
2005 GeV	0.000167229 ± 37.2526%
2010 GeV	0.000162636 ± 37.0951%
2015 GeV	0.000158685 ± 37.1186%
2020 GeV	0.00015472 ± 37.1404%
2025 GeV	0.000151003 ± 37.8493%
2030 GeV	0.000147057 ± 37.9647%
2035 GeV	0.000143081 ± 38.0117%
2040 GeV	0.00013954 ± 37.6248%
2045 GeV	0.000136088 ± 38.163%
2050 GeV	0.000132986 ± 38.4295%
2055 GeV	0.000129168 ± 38.3045%
2060 GeV	0.000126038 ± 38.5093%
2065 GeV	0.000122947 ± 38.6767%
2070 GeV	0.000119917 ± 38.8746%
2075 GeV	0.000116863 ± 39.0064%
2080 GeV	0.000113848 ± 39.0935%
2085 GeV	0.00011089 ± 39.1331%
2090 GeV	0.000107928 ± 39.2455%
2095 GeV	0.000105687 ± 39.6278%
2100 GeV	0.000102747 ± 39.6182%
2105 GeV	0.000100124 ± 39.717%
2110 GeV	9.75697e-05 ± 39.8632%
2115 GeV	9.51727e-05 ± 40.0244%
2120 GeV	9.27492e-05 ± 40.151%
2125 GeV	9.04111e-05 ± 40.2787%
2130 GeV	8.80739e-05 ± 40.4088%
2135 GeV	8.58847e-05 ± 40.5571%
2140 GeV	8.37677e-05 ± 40.6546%
2145 GeV	8.16215e-05 ± 40.8046%
2150 GeV	7.9509e-05 ± 40.9212%
2155 GeV	7.76043e-05 ± 41.0951%

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2160 GeV	7.55901e-05 ± 41.1929%
2165 GeV	7.36446e-05 ± 41.3507%
2170 GeV	7.18436e-05 ± 41.5194%
2175 GeV	7.00364e-05 ± 41.6296%
2180 GeV	6.82667e-05 ± 41.8457%
2185 GeV	6.66172e-05 ± 41.9098%
2190 GeV	6.48877e-05 ± 42.0467%
2195 GeV	6.32891e-05 ± 42.2349%
2200 GeV	6.16684e-05 ± 42.3539%
2205 GeV	6.01468e-05 ± 42.5742%
2210 GeV	5.86245e-05 ± 42.7256%
2215 GeV	5.71417e-05 ± 42.8522%
2220 GeV	5.57323e-05 ± 42.9739%
2225 GeV	5.43584e-05 ± 43.0744%
2230 GeV	5.30372e-05 ± 43.2978%
2235 GeV	5.16378e-05 ± 43.3906%
2240 GeV	5.03858e-05 ± 43.7065%
2245 GeV	4.91224e-05 ± 43.7934%
2250 GeV	4.78852e-05 ± 43.9764%
2255 GeV	4.667e-05 ± 44.192%
2260 GeV	4.55862e-05 ± 44.3352%
2265 GeV	4.43894e-05 ± 44.3951%
2270 GeV	4.33019e-05 ± 44.5443%
2275 GeV	4.22688e-05 ± 44.8229%
2280 GeV	4.11527e-05 ± 44.9511%
2285 GeV	4.01636e-05 ± 45.1057%
2290 GeV	3.91795e-05 ± 45.2118%
2295 GeV	3.81668e-05 ± 45.3533%
2300 GeV	3.7253e-05 ± 45.5729%
2305 GeV	3.63202e-05 ± 45.7752%
2310 GeV	3.54484e-05 ± 45.8503%
2315 GeV	3.45467e-05 ± 45.9298%
2320 GeV	3.37411e-05 ± 46.117%
2325 GeV	3.28478e-05 ± 46.1577%
2330 GeV	3.20439e-05 ± 46.3633%
2335 GeV	3.12196e-05 ± 46.5449%
2340 GeV	3.05255e-05 ± 46.6821%
2345 GeV	2.97336e-05 ± 46.7096%
2350 GeV	2.89819e-05 ± 47.0604%
2355 GeV	2.82851e-05 ± 47.2147%
2360 GeV	2.7616e-05 ± 47.119%
2365 GeV	2.69149e-05 ± 47.2891%
2370 GeV	2.62029e-05 ± 47.4464%
2375 GeV	2.56081e-05 ± 47.5754%
2380 GeV	2.49676e-05 ± 47.881%
2385 GeV	2.43049e-05 ± 47.8195%
2390 GeV	2.37072e-05 ± 47.8977%
2395 GeV	2.31717e-05 ± 48.1875%
2400 GeV	2.25798e-05 ± 48.2964%
2405 GeV	2.198e-05 ± 48.4535%

2410 GeV	2.14502e-05 ± 48.7286%
2415 GeV	2.09684e-05 ± 48.7841%
2420 GeV	2.04414e-05 ± 49.1449%
2425 GeV	1.99517e-05 ± 49.1326%
2430 GeV	1.94656e-05 ± 49.1898%
2435 GeV	1.89387e-05 ± 49.5843%
2440 GeV	1.84422e-05 ± 49.6237%
2445 GeV	1.80342e-05 ± 49.8531%
2450 GeV	1.75454e-05 ± 49.9194%
2455 GeV	1.71329e-05 ± 50.2113%
2460 GeV	1.67145e-05 ± 50.4412%
2465 GeV	1.63243e-05 ± 50.5147%
2470 GeV	1.59214e-05 ± 50.7092%
2475 GeV	1.55232e-05 ± 50.8733%
2480 GeV	1.51313e-05 ± 50.9522%
2485 GeV	1.48033e-05 ± 51.302%
2490 GeV	1.44105e-05 ± 51.391%
2495 GeV	1.40268e-05 ± 51.3983%
2500 GeV	1.3713e-05 ± 51.7088%
2505 GeV	1.3407e-05 ± 51.9383%
2510 GeV	1.30218e-05 ± 51.9455%
2515 GeV	1.27185e-05 ± 52.1416%
2520 GeV	1.24145e-05 ± 52.274%
2525 GeV	1.21144e-05 ± 52.4314%
2530 GeV	1.18177e-05 ± 52.543%
2535 GeV	1.15187e-05 ± 52.7045%
2540 GeV	1.12979e-05 ± 53.1442%
2545 GeV	1.10092e-05 ± 53.1663%
2550 GeV	1.07144e-05 ± 53.2415%
2555 GeV	1.05047e-05 ± 53.5392%
2560 GeV	1.02141e-05 ± 53.5694%
2565 GeV	9.97241e-06 ± 53.7447%
2570 GeV	9.72834e-06 ± 53.8844%
2575 GeV	9.48988e-06 ± 54.0065%
2580 GeV	9.25865e-06 ± 54.1746%
2585 GeV	9.04011e-06 ± 54.3189%
2590 GeV	8.81995e-06 ± 54.466%
2595 GeV	8.60585e-06 ± 54.7048%
2600 GeV	8.39675e-06 ± 54.8323%
2605 GeV	8.1928e-06 ± 55.0508%
2610 GeV	7.99589e-06 ± 55.1564%
2615 GeV	7.80332e-06 ± 55.3485%
2620 GeV	7.61039e-06 ± 55.5497%
2625 GeV	7.42425e-06 ± 55.6308%
2630 GeV	7.24299e-06 ± 55.9167%
2635 GeV	7.06555e-06 ± 56.0028%
2640 GeV	6.89334e-06 ± 56.1933%
2645 GeV	6.72398e-06 ± 56.3394%
2650 GeV	6.56135e-06 ± 56.5402%
2655 GeV	6.39851e-06 ± 56.7467%



2660 GeV	6.24982e-06 ± 56.8759%
2665 GeV	6.09854e-06 ± 57.0435%
2670 GeV	5.94712e-06 ± 57.2157%
2675 GeV	5.8013e-06 ± 57.4352%
2680 GeV	5.6629e-06 ± 57.5291%
2685 GeV	5.51886e-06 ± 57.7774%
2690 GeV	5.3866e-06 ± 57.9812%
2695 GeV	5.26008e-06 ± 58.0325%
2700 GeV	5.12741e-06 ± 58.2457%
2705 GeV	5.00784e-06 ± 58.3629%
2710 GeV	4.87531e-06 ± 58.5928%
2715 GeV	4.76331e-06 ± 58.7893%
2720 GeV	4.645e-06 ± 58.763%
2725 GeV	4.53191e-06 ± 59.0195%
2730 GeV	4.42348e-06 ± 59.0884%
2735 GeV	4.31059e-06 ± 59.3158%
2740 GeV	4.20915e-06 ± 59.5192%
2745 GeV	4.10803e-06 ± 59.6851%
2750 GeV	4.01086e-06 ± 59.6952%
2755 GeV	3.90704e-06 ± 59.8941%
2760 GeV	3.8177e-06 ± 59.9911%
2765 GeV	3.71579e-06 ± 60.1857%
2770 GeV	3.62648e-06 ± 60.2954%
2775 GeV	3.5437e-06 ± 60.5395%
2780 GeV	3.45405e-06 ± 60.6585%
2785 GeV	3.37185e-06 ± 60.8798%
2790 GeV	3.29362e-06 ± 60.9116%
2795 GeV	3.2107e-06 ± 61.1883%
2800 GeV	3.1322e-06 ± 61.223%
2805 GeV	3.05349e-06 ± 61.2608%
2810 GeV	2.98249e-06 ± 61.448%
2815 GeV	2.91167e-06 ± 61.5992%
2820 GeV	2.84177e-06 ± 61.8161%
2825 GeV	2.77069e-06 ± 61.9805%
2830 GeV	2.70772e-06 ± 62.268%
2835 GeV	2.64009e-06 ± 62.2423%
2840 GeV	2.57687e-06 ± 62.5469%
2845 GeV	2.51852e-06 ± 62.663%
2850 GeV	2.45908e-06 ± 62.7219%
2855 GeV	2.39493e-06 ± 63.0933%
2860 GeV	2.33665e-06 ± 63.1849%
2865 GeV	2.28465e-06 ± 63.4262%
2870 GeV	2.22499e-06 ± 63.5085%
2875 GeV	2.17284e-06 ± 63.7664%
2880 GeV	2.12407e-06 ± 63.8567%
2885 GeV	2.06477e-06 ± 63.8922%
2890 GeV	2.02279e-06 ± 64.1528%
2895 GeV	1.97303e-06 ± 64.3277%
2900 GeV	1.92284e-06 ± 64.4175%
2905 GeV	1.87296e-06 ± 64.4749%



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2910 GeV	1.83206e-06 ± 64.7541%
2915 GeV	1.79081e-06 ± 64.949%
2920 GeV	1.74123e-06 ± 64.9831%
2925 GeV	1.70101e-06 ± 65.1684%
2930 GeV	1.65997e-06 ± 65.3415%
2935 GeV	1.61935e-06 ± 65.4858%
2940 GeV	1.57928e-06 ± 65.6426%
2945 GeV	1.53876e-06 ± 65.7532%
2950 GeV	1.50688e-06 ± 66.0558%
2955 GeV	1.46735e-06 ± 66.1395%
2960 GeV	1.42736e-06 ± 66.1728%
2965 GeV	1.3961e-06 ± 66.4058%
2970 GeV	1.36493e-06 ± 66.608%
2975 GeV	1.32546e-06 ± 66.6533%
2980 GeV	1.2947e-06 ± 66.8201%
2985 GeV	1.26347e-06 ± 67.026%
2990 GeV	1.23342e-06 ± 67.1665%
2995 GeV	1.20261e-06 ± 67.3333%
3000 GeV	1.17224e-06 ± 67.4134%

Contact: Sanjay Padhi - 13-Jun-2013

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