

## Chargino Chargino Cross Section vs Chargino mass as used by CMS in SUS12022

| Mass | Cross Section [pb] | Uncertainty [pb] |
|------|--------------------|------------------|
| 100  | 5.550178e+00       | 3.603775e-01     |
| 105  | 4.600000e+00       | 2.902482e-01     |
| 110  | 3.840278e+00       | 2.305904e-01     |
| 115  | 3.240000e+00       | 1.903786e-01     |
| 120  | 2.750000e+00       | 1.504792e-01     |
| 125  | 2.360000e+00       | 1.300000e-01     |
| 130  | 2.035227e+00       | 1.052268e-01     |
| 135  | 1.750000e+00       | 9.079648e-02     |
| 140  | 1.530000e+00       | 8.000000e-02     |
| 145  | 1.330000e+00       | 6.118823e-02     |
| 150  | 1.170000e+00       | 5.000000e-02     |
| 155  | 1.030500e+00       | 4.550000e-02     |
| 160  | 9.130000e-01       | 4.115697e-02     |
| 165  | 8.100000e-01       | 3.634665e-02     |
| 170  | 7.210000e-01       | 3.124135e-02     |
| 175  | 6.430000e-01       | 2.692711e-02     |
| 180  | 5.760000e-01       | 2.536851e-02     |
| 185  | 5.170000e-01       | 2.225334e-02     |
| 190  | 4.660000e-01       | 1.804984e-02     |
| 195  | 4.210044e-01       | 1.502885e-02     |
| 200  | 3.800000e-01       | 1.406024e-02     |
| 205  | 3.440000e-01       | 1.210907e-02     |
| 210  | 3.120000e-01       | 1.106630e-02     |
| 215  | 2.840000e-01       | 1.007284e-02     |
| 220  | 2.580305e-01       | 8.031806e-03     |
| 225  | 2.360346e-01       | 7.036484e-03     |
| 230  | 2.150000e-01       | 7.104456e-03     |
| 235  | 1.979950e-01       | 6.005005e-03     |
| 240  | 1.809994e-01       | 6.000578e-03     |
| 245  | 1.660000e-01       | 5.000023e-03     |
| 250  | 1.520000e-01       | 5.142018e-03     |
| 255  | 1.400000e-01       | 4.184325e-03     |
| 260  | 1.280000e-01       | 4.177008e-03     |
| 265  | 1.184996e-01       | 3.500354e-03     |
| 270  | 1.094998e-01       | 3.500208e-03     |
| 275  | 1.010000e-01       | 2.500448e-03     |
| 280  | 9.313687e-02       | 2.565209e-03     |
| 285  | 8.658438e-02       | 2.215622e-03     |
| 290  | 8.068125e-02       | 1.918749e-03     |
| 295  | 7.453031e-02       | 1.872625e-03     |
| 300  | 6.870000e-02       | 2.409384e-03     |
| 305  | 6.432690e-02       | 1.576670e-03     |
| 310  | 5.982444e-02       | 1.479396e-03     |
| 315  | 5.563554e-02       | 1.268995e-03     |
| 320  | 5.182554e-02       | 1.179449e-03     |

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|     |              |              |
|-----|--------------|--------------|
| 325 | 4.800558e-02 | 1.099956e-03 |
| 330 | 4.481205e-02 | 1.093490e-03 |
| 335 | 4.180000e-02 | 1.030689e-03 |
| 340 | 3.900000e-02 | 1.417646e-03 |
| 345 | 3.673414e-02 | 7.741402e-04 |
| 350 | 3.438103e-02 | 7.272501e-04 |
| 355 | 3.213184e-02 | 6.780627e-04 |
| 360 | 3.019259e-02 | 6.173112e-04 |
| 365 | 2.827710e-02 | 6.328040e-04 |
| 370 | 2.677264e-02 | 5.396730e-04 |
| 375 | 2.508815e-02 | 4.118486e-04 |
| 380 | 2.309720e-02 | 5.151066e-04 |
| 385 | 2.189642e-02 | 4.198073e-04 |
| 390 | 2.059641e-02 | 4.198217e-04 |
| 395 | 1.930000e-02 | 3.235483e-04 |
| 400 | 1.819484e-02 | 3.287659e-04 |
| 405 | 1.733168e-02 | 2.919237e-04 |
| 410 | 1.613369e-02 | 2.899125e-04 |
| 415 | 1.510000e-02 | 2.332455e-04 |
| 420 | 1.433370e-02 | 2.899104e-04 |
| 425 | 1.360409e-02 | 2.373329e-04 |
| 430 | 1.276179e-02 | 2.618184e-04 |
| 435 | 1.192188e-02 | 1.781167e-04 |
| 440 | 1.144081e-02 | 2.006139e-04 |
| 445 | 1.063471e-02 | 1.652924e-04 |
| 450 | 9.939485e-03 | 1.429775e-04 |
| 455 | 9.605134e-03 | 1.288977e-04 |
| 460 | 8.974934e-03 | 1.321480e-04 |
| 465 | 8.403880e-03 | 1.455628e-04 |
| 470 | 8.113357e-03 | 1.066431e-04 |
| 475 | 7.598119e-03 | 1.159120e-04 |
| 480 | 7.111608e-03 | 1.154736e-04 |
| 500 | 5.669442e-03 | 9.886713e-05 |
| 525 | 4.339462e-03 | 6.659320e-05 |
| 550 | 3.417537e-03 | 5.527698e-05 |
| 575 | 2.654291e-03 | 5.058923e-05 |
| 600 | 2.118257e-03 | 4.515602e-05 |
| 625 | 1.591451e-03 | 3.745322e-05 |
| 650 | 1.279562e-03 | 3.356456e-05 |
| 675 | 1.014778e-03 | 3.040192e-05 |
| 700 | 8.230243e-04 | 2.788903e-05 |
| 725 | 6.545382e-04 | 2.414077e-05 |
| 750 | 5.046960e-04 | 1.949926e-05 |
| 775 | 4.045976e-04 | 1.730810e-05 |
| 800 | 3.150000e-04 | 3.482928e-05 |
| 825 | 2.609534e-04 | 1.455749e-05 |
| 850 | 2.106615e-04 | 1.209400e-05 |
| 875 | 1.703675e-04 | 1.065137e-05 |
| 900 | 1.328558e-04 | 8.378816e-06 |
| 925 | 1.125488e-04 | 8.256783e-06 |

|     |              |              |
|-----|--------------|--------------|
| 950 | 8.771293e-05 | 6.758562e-06 |
| 975 | 7.242170e-05 | 8.172601e-06 |

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This topic: LHCPHysics > SUSYCrossSections8TeVcharginocharginoCMS

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