Table 74: N_{coll} , N_{part} and impact parameter b values

Bin NpartMean NpartSigma NcollMean NcollSigma bMean bSigma 0 393.633 12.3245 1747.49 128.036 1.87663 0.784673 1 368.819 17.187 1566.92 153.374 3.02075 0.746574 2 343.073 17.7878 1393.97 148.214 3.88968 0.623658 3 317.625 17.9506 1237.02 143.028 4.60791 0.586918 4 292.932 19.2584 1095.03 143.623 5.24572 0.586829 5 271.917 19.9822 979.836 140.132 5.76362 0.571731 6 249.851 18.8188 863.228 127.639 6.29562 0.532749 7 230.72 16.7584 765.968 113.475 6.75185 0.48751 8 212.465 15.6287 677.894 103.99 7.18228 0.466444 9 194.752 15.4522 594.481 97.7168 7.60734 <th></th> <th></th> <th>,</th> <th>-</th> <th>3.7. 110.</th> <th>1.2.5</th> <th>1.0</th>			,	-	3.7. 110.	1.2.5	1.0
1 368.819 17.187 1566.92 153.374 3.02075 0.746574 2 343.073 12.7878 1393.97 148.214 3.88968 0.623658 3 317.625 17.9506 1237.02 143.028 4.60791 0.586918 4 292.932 19.2584 1095.03 143.623 5.24572 0.586829 5 271.917 19.9822 979.836 140.132 5.76362 0.571731 6 249.851 18.8188 863.228 127.639 6.29562 0.532749 7 230.72 16.7584 765.968 113.475 6.75185 0.48751 8 212.465 15.6287 677.894 103.99 7.18228 0.46444 9 194.752 15.4522 594.481 97.7168 7.60734 0.468356 10 178.571 13.68 522.453 86.541 7.99763 0.442211 11 163.23 13.5873 456.049 81.577 8.37317 <	Bin	NpartMean	NpartSigma	NcollMean	NcollSigma	bMean	bSigma
2 343.073 17.7878 1393.97 148.214 3.88968 0.623658 3 317.625 17.9506 1237.02 143.028 4.60791 0.586918 4 292.932 19.2584 1095.03 143.623 5.24572 0.586829 5 271.917 19.9822 979.836 140.132 5.76362 0.571731 6 249.851 18.8188 863.228 127.639 6.29562 0.532749 7 230.72 16.7584 765.968 113.475 6.75185 0.48751 8 212.465 15.6287 677.894 103.99 7.18228 0.466444 9 194.752 15.4522 594.481 97.7168 7.60734 0.468356 10 178.571 13.68 522.453 86.541 7.99763 0.42211 11 163.23 13.5873 456.049 81.577 8.37317 0.450792 12 149.187 12.5759 399.178 73.2004 8.72411							
3 317.625 17.9506 1237.02 143.028 4.60791 0.586918 4 292.932 19.2584 1095.03 143.623 5.24572 0.586829 5 271.917 19.9822 979.836 140.132 5.76362 0.571731 6 249.851 18.8188 863.228 127.639 6.29562 0.532749 7 230.72 16.7584 765.968 113.475 6.75185 0.48751 8 212.465 15.6287 677.894 103.99 7.18228 0.466444 9 194.752 15.4522 594.481 97.7168 7.60734 0.468356 10 178.571 13.68 522.453 86.541 7.99763 0.442711 11 163.23 13.5873 456.049 81.577 8.37317 0.450732 12 149.187 12.5759 399.178 73.2004 8.72411 0.440335 13 136.011 11.1999 347.174 64.3388 9.061							
4 292.932 19.2584 1095.03 143.623 5.24572 0.586829 5 271.917 19.9822 979.836 140.132 5.76362 0.571731 6 249.851 18.8188 863.228 127.639 6.29562 0.532749 7 230.72 16.7584 765.968 113.475 6.75185 0.48751 8 212.465 15.6287 677.894 103.99 7.18228 0.466444 9 194.752 15.4522 594.481 97.7168 7.60734 0.468356 10 178.571 13.68 522.453 86.541 7.99763 0.442211 11 163.23 13.5873 456.049 81.577 8.37317 0.450732 12 149.187 12.5759 399.178 73.2004 8.72411 0.446035 13 136.011 11.1909 347.174 64.3388 9.061 0.431178 14 123.414 10.8185 299.925 58.7095 9.39947							
5 271.917 19.9822 979.836 140.132 5.76362 0.571731 6 249.851 18.8188 863.228 127.639 6.29562 0.532749 7 230.72 16.7584 765.968 113.475 6.75185 0.48751 8 212.465 15.6287 677.894 103.99 7.18228 0.466444 9 194.752 15.4522 594.481 97.7168 7.60734 0.468356 10 178.571 13.68 522.453 86.541 7.99763 0.442211 11 163.23 13.5873 456.049 81.577 8.37317 0.450792 12 149.187 12.5759 399.178 73.2004 8.72411 0.440035 13 136.011 11.1909 347.174 64.3388 9.061 0.431178 14 123.414 10.8185 299.925 58.7095 9.39947 0.436542 15 111.7 9.59171 258.411 51.3798 9.71608		317.625					
6 249.851 18.8188 863.228 127.639 6.29562 0.532749 7 230.72 16.7584 765.968 113.475 6.75185 0.48751 8 212.465 15.6287 677.894 103.99 7.18228 0.466444 9 194.752 15.4522 594.481 97.7168 7.60734 0.468356 10 178.571 13.68 522.453 86.541 7.99763 0.442211 11 163.23 13.5873 456.049 81.577 8.37317 0.450792 12 149.187 12.5759 399.178 73.2004 8.72411 0.46035 13 136.011 11.1909 347.174 64.3388 9.061 0.431178 14 123.414 10.8185 299.925 58.7095 9.39947 0.436542 15 111.7 9.59171 258.411 51.3798 9.71608 0.427932 16 100.831 9.50304 221.374 46.995 10.024 <		292.932	19.2584	1095.03	143.623	5.24572	0.586829
7 230.72 16.7584 765.968 113.475 6.75185 0.48751 8 212.465 15.6287 677.894 103.99 7.18228 0.466444 9 194.752 15.4522 594.481 97.7168 7.60734 0.468356 10 178.571 13.68 522.453 86.541 7.99763 0.442211 11 163.23 13.5873 456.049 81.577 8.37317 0.450792 12 149.187 12.5759 399.178 73.2004 8.72411 0.450792 13 136.011 11.1909 347.174 64.3388 9.061 0.431178 14 123.414 10.8185 299.925 58.7095 9.39947 0.436542 15 111.7 9.59171 258.411 51.3798 9.71608 0.427932 16 100.831 9.50304 221.374 46.995 10.024 0.42836 17 90.7831 8.7603 188.676 41.4122 10.3287 <	5	271.917	19.9822	979.836	140.132	5.76362	0.571731
8 212.465 15.6287 677.894 103.99 7.18228 0.466444 9 194.752 15.4522 594.481 97.7168 7.60734 0.468356 10 178.571 13.68 522.453 86.541 7.99763 0.442211 11 163.23 13.5873 456.049 81.577 8.37317 0.450792 12 149.187 12.5759 399.178 73.2004 8.72411 0.46035 13 136.011 11.1909 347.174 64.3388 9.061 0.431178 14 123.414 10.8185 299.925 58.7095 9.39947 0.436542 15 111.7 9.59171 258.411 51.3798 9.71608 0.427932 16 100.831 9.50304 221.374 46.995 10.024 0.442836 17 90.7831 8.7603 188.676 41.4122 10.3287 0.443385 18 80.9823 8.17986 158.896 36.6026 10.6321	6	249.851	18.8188	863.228	127.639	6.29562	0.532749
9 194.752 15.4522 594.481 97.7168 7.60734 0.468356 10 178.571 13.68 522.453 86.541 7.99763 0.442211 11 163.23 13.5873 456.049 81.577 8.37317 0.450792 12 149.187 12.5759 399.178 73.2004 8.72411 0.446035 13 136.011 11.1909 347.174 64.3388 9.061 0.431178 14 123.414 10.8185 299.925 58.7095 9.39947 0.436542 15 111.7 9.59171 258.411 51.3798 9.71608 0.427932 16 100.831 9.50304 221.374 46.995 10.024 0.442836 17 90.7831 8.7603 188.676 41.4122 10.3287 0.443385 18 80.9823 8.17986 158.896 36.6026 10.6321 0.455668 19 72.6236 7.54442 135.117 31.969 10.9012	7	230.72	16.7584	765.968	113.475	6.75185	0.48751
10 178.571 13.68 522.453 86.541 7.99763 0.442211 11 163.23 13.5873 456.049 81.577 8.37317 0.450792 12 149.187 12.5759 399.178 73.2004 8.72411 0.446035 13 136.011 11.1909 347.174 64.3388 9.061 0.431178 14 123.414 10.8185 299.925 58.7095 9.39947 0.436542 15 111.7 9.59171 258.411 51.3798 9.71608 0.427932 16 100.831 9.50304 221.374 46.995 10.024 0.442836 17 90.7831 8.7603 188.676 41.4122 10.3287 0.443385 18 80.9823 8.17986 158.896 36.6026 10.6321 0.455668 19 72.6236 7.54442 135.117 31.969 10.9012 0.459105 20 64.1508 7.3129 112.481 28.2834 11.1962	8	212.465	15.6287	677.894	103.99	7.18228	0.466444
11 163.23 13.5873 456.049 81.577 8.37317 0.450792 12 149.187 12.5759 399.178 73.2004 8.72411 0.446035 13 136.011 11.1909 347.174 64.3388 9.061 0.431178 14 123.414 10.8185 299.925 58.7095 9.39947 0.436542 15 111.7 9.59171 258.411 51.3798 9.71608 0.427932 16 100.831 9.50304 221.374 46.995 10.024 0.442836 17 90.7831 8.7603 188.676 41.4122 10.3287 0.443385 18 80.9823 8.17986 158.896 36.6026 10.6321 0.455668 19 72.6236 7.54442 135.117 31.969 10.9012 0.459105 20 64.1508 7.3129 112.481 28.2834 11.1962 0.479811 21 56.6284 6.58096 93.5697 23.7557 11.4625	9	194.752	15.4522	594.481	97.7168	7.60734	0.468356
12 149.187 12.5759 399.178 73.2004 8.72411 0.446035 13 136.011 11.1909 347.174 64.3388 9.061 0.431178 14 123.414 10.8185 299.925 58.7095 9.39947 0.436542 15 111.7 9.59171 258.411 51.3798 9.71608 0.427932 16 100.831 9.50304 221.374 46.995 10.024 0.442836 17 90.7831 8.7603 188.676 41.4122 10.3287 0.443385 18 80.9823 8.17986 158.896 36.6026 10.6321 0.455668 19 72.6236 7.54442 135.117 31.969 10.9012 0.459105 20 64.1508 7.3129 112.481 28.2834 11.1962 0.479811 21 56.6284 6.58096 93.5697 23.7557 11.4625 0.48193 22 49.9984 6.29835 77.9192 20.7327 11.7259	10	178.571	13.68	522.453	86.541	7.99763	0.442211
13 136.011 11.1909 347.174 64.3388 9.061 0.431178 14 123.414 10.8185 299.925 58.7095 9.39947 0.436542 15 111.7 9.59171 258.411 51.3798 9.71608 0.427932 16 100.831 9.50304 221.374 46.995 10.024 0.442836 17 90.7831 8.7603 188.676 41.4122 10.3287 0.443385 18 80.9823 8.17986 158.896 36.6026 10.6321 0.455668 19 72.6236 7.54442 135.117 31.969 10.9012 0.459105 20 64.1508 7.3129 112.481 28.2834 11.1962 0.479811 21 56.6284 6.58096 93.5697 23.7557 11.4625 0.48193 22 49.9984 6.29835 77.9192 20.7327 11.7259 0.500502 23 43.3034 5.84386 63.2538 17.6459 12.0007	11	163.23	13.5873	456.049	81.577	8.37317	0.450792
14 123.414 10.8185 299.925 58.7095 9.39947 0.436542 15 111.7 9.59171 258.411 51.3798 9.71608 0.427932 16 100.831 9.50304 221.374 46.995 10.024 0.442836 17 90.7831 8.7603 188.676 41.4122 10.3287 0.443385 18 80.9823 8.17986 158.896 36.6026 10.6321 0.455668 19 72.6236 7.54442 135.117 31.969 10.9012 0.459105 20 64.1508 7.3129 112.481 28.2834 11.1962 0.479811 21 56.6284 6.58096 93.5697 23.7557 11.4625 0.48193 22 49.9984 6.29835 77.9192 20.7327 11.7259 0.500502 23 43.3034 5.84386 63.2538 17.6459 12.0007 0.514535 24 37.8437 5.18182 52.0938 14.501 12.2434	12	149.187	12.5759	399.178	73.2004	8.72411	0.446035
15 111.7 9.59171 258.411 51.3798 9.71608 0.427932 16 100.831 9.50304 221.374 46.995 10.024 0.442836 17 90.7831 8.7603 188.676 41.4122 10.3287 0.443385 18 80.9823 8.17986 158.896 36.6026 10.6321 0.455668 19 72.6236 7.54442 135.117 31.969 10.9012 0.459105 20 64.1508 7.3129 112.481 28.2834 11.1962 0.479811 21 56.6284 6.58096 93.5697 23.7557 11.4625 0.48193 22 49.9984 6.29835 77.9192 20.7327 11.7259 0.500502 23 43.3034 5.84386 63.2538 17.6459 12.0007 0.514535 24 37.8437 5.18182 52.0938 14.501 12.2434 0.523403 25 32.6659 5.03181 42.3553 12.5434 12.5018	13	136.011	11.1909	347.174	64.3388	9.061	0.431178
16 100.831 9.50304 221.374 46.995 10.024 0.442836 17 90.7831 8.7603 188.676 41.4122 10.3287 0.443385 18 80.9823 8.17986 158.896 36.6026 10.6321 0.455668 19 72.6236 7.54442 135.117 31.969 10.9012 0.459105 20 64.1508 7.3129 112.481 28.2834 11.1962 0.479811 21 56.6284 6.58096 93.5697 23.7557 11.4625 0.48193 22 49.9984 6.29835 77.9192 20.7327 11.7259 0.500502 23 43.3034 5.84386 63.2538 17.6459 12.0007 0.514535 24 37.8437 5.18182 52.0938 14.501 12.2434 0.523403 25 32.6659 5.03181 42.3553 12.5434 12.5018 0.542598 26 27.83 4.45605 33.7461 10.0383 12.7655	14	123.414	10.8185	299.925	58.7095	9.39947	0.436542
17 90.7831 8.7603 188.676 41.4122 10.3287 0.443385 18 80.9823 8.17986 158.896 36.6026 10.6321 0.455668 19 72.6236 7.54442 135.117 31.969 10.9012 0.459105 20 64.1508 7.3129 112.481 28.2834 11.1962 0.479811 21 56.6284 6.58096 93.5697 23.7557 11.4625 0.48193 22 49.9984 6.29835 77.9192 20.7327 11.7259 0.500502 23 43.3034 5.84386 63.2538 17.6459 12.0007 0.514535 24 37.8437 5.18182 52.0938 14.501 12.2434 0.523403 25 32.6659 5.03181 42.3553 12.5434 12.5018 0.542598 26 27.83 4.10721 27.3213 8.48271 13.005 0.591446 28 20.1745 3.75359 21.8348 7.01648 13.2398 <td>15</td> <td>111.7</td> <td>9.59171</td> <td>258.411</td> <td>51.3798</td> <td>9.71608</td> <td>0.427932</td>	15	111.7	9.59171	258.411	51.3798	9.71608	0.427932
18 80.9823 8.17986 158.896 36.6026 10.6321 0.455668 19 72.6236 7.54442 135.117 31.969 10.9012 0.459105 20 64.1508 7.3129 112.481 28.2834 11.1962 0.479811 21 56.6284 6.58096 93.5697 23.7557 11.4625 0.48193 22 49.9984 6.29835 77.9192 20.7327 11.7259 0.500502 23 43.3034 5.84386 63.2538 17.6459 12.0007 0.514535 24 37.8437 5.18182 52.0938 14.501 12.2434 0.523403 25 32.6659 5.03181 42.3553 12.5434 12.5018 0.542598 26 27.83 4.45605 33.7461 10.0383 12.7655 0.563615 27 23.7892 4.10721 27.3213 8.48271 13.005 0.591446 28 20.1745 3.75359 21.8348 7.01648 13.2398 <td>16</td> <td>100.831</td> <td>9.50304</td> <td>221.374</td> <td>46.995</td> <td>10.024</td> <td>0.442836</td>	16	100.831	9.50304	221.374	46.995	10.024	0.442836
19 72.6236 7.54442 135.117 31.969 10.9012 0.459105 20 64.1508 7.3129 112.481 28.2834 11.1962 0.479811 21 56.6284 6.58096 93.5697 23.7557 11.4625 0.48193 22 49.9984 6.29835 77.9192 20.7327 11.7259 0.500502 23 43.3034 5.84386 63.2538 17.6459 12.0007 0.514535 24 37.8437 5.18182 52.0938 14.501 12.2434 0.523403 25 32.6659 5.03181 42.3553 12.5434 12.5018 0.542598 26 27.83 4.45605 33.7461 10.0383 12.7655 0.563615 27 23.7892 4.10721 27.3213 8.48271 13.005 0.591446 28 20.1745 3.75359 21.8348 7.01648 13.2398 0.6175 29 16.8453 3.51951 17.1722 5.82912 13.503	17	90.7831	8.7603	188.676	41.4122	10.3287	0.443385
20 64.1508 7.3129 112.481 28.2834 11.1962 0.479811 21 56.6284 6.58096 93.5697 23.7557 11.4625 0.48193 22 49.9984 6.29835 77.9192 20.7327 11.7259 0.500502 23 43.3034 5.84386 63.2538 17.6459 12.0007 0.514535 24 37.8437 5.18182 52.0938 14.501 12.2434 0.523403 25 32.6659 5.03181 42.3553 12.5434 12.5018 0.542598 26 27.83 4.45605 33.7461 10.0383 12.7655 0.563615 27 23.7892 4.10721 27.3213 8.48271 13.005 0.591446 28 20.1745 3.75359 21.8348 7.01648 13.2398 0.6175 29 16.8453 3.51951 17.1722 5.82912 13.503 0.65892 30 14.0322 3.25086 13.5661 4.80855 13.7387	18	80.9823	8.17986	158.896	36.6026	10.6321	0.455668
21 56.6284 6.58096 93.5697 23.7557 11.4625 0.48193 22 49.9984 6.29835 77.9192 20.7327 11.7259 0.500502 23 43.3034 5.84386 63.2538 17.6459 12.0007 0.514535 24 37.8437 5.18182 52.0938 14.501 12.2434 0.523403 25 32.6659 5.03181 42.3553 12.5434 12.5018 0.542598 26 27.83 4.45605 33.7461 10.0383 12.7655 0.563615 27 23.7892 4.10721 27.3213 8.48271 13.005 0.591446 28 20.1745 3.75359 21.8348 7.01648 13.2398 0.6175 29 16.8453 3.51951 17.1722 5.82912 13.503 0.65892 30 14.0322 3.25086 13.5661 4.80855 13.7387 0.707501 31 11.602 2.91458 10.6604 3.98013 13.9905	19	72.6236	7.54442	135.117	31.969	10.9012	0.459105
22 49.9984 6.29835 77.9192 20.7327 11.7259 0.500502 23 43.3034 5.84386 63.2538 17.6459 12.0007 0.514535 24 37.8437 5.18182 52.0938 14.501 12.2434 0.523403 25 32.6659 5.03181 42.3553 12.5434 12.5018 0.542598 26 27.83 4.45605 33.7461 10.0383 12.7655 0.563615 27 23.7892 4.10721 27.3213 8.48271 13.005 0.591446 28 20.1745 3.75359 21.8348 7.01648 13.2398 0.6175 29 16.8453 3.51951 17.1722 5.82912 13.503 0.65892 30 14.0322 3.25086 13.5661 4.80855 13.7387 0.707501 31 11.602 2.91458 10.6604 3.98013 13.9905 0.742967 32 9.52528 2.65321 8.31383 3.26375 14.2377	20	64.1508	7.3129	112.481	28.2834	11.1962	0.479811
23 43.3034 5.84386 63.2538 17.6459 12.0007 0.514535 24 37.8437 5.18182 52.0938 14.501 12.2434 0.523403 25 32.6659 5.03181 42.3553 12.5434 12.5018 0.542598 26 27.83 4.45605 33.7461 10.0383 12.7655 0.563615 27 23.7892 4.10721 27.3213 8.48271 13.005 0.591446 28 20.1745 3.75359 21.8348 7.01648 13.2398 0.6175 29 16.8453 3.51951 17.1722 5.82912 13.503 0.65892 30 14.0322 3.25086 13.5661 4.80855 13.7387 0.707501 31 11.602 2.91458 10.6604 3.98013 13.9905 0.742967 32 9.52528 2.65321 8.31383 3.26375 14.2377 0.797312 33 7.6984 2.38598 6.37662 2.69301 14.5011	21	56.6284	6.58096	93.5697	23.7557	11.4625	0.48193
24 37.8437 5.18182 52.0938 14.501 12.2434 0.523403 25 32.6659 5.03181 42.3553 12.5434 12.5018 0.542598 26 27.83 4.45605 33.7461 10.0383 12.7655 0.563615 27 23.7892 4.10721 27.3213 8.48271 13.005 0.591446 28 20.1745 3.75359 21.8348 7.01648 13.2398 0.6175 29 16.8453 3.51951 17.1722 5.82912 13.503 0.65892 30 14.0322 3.25086 13.5661 4.80855 13.7387 0.707501 31 11.602 2.91458 10.6604 3.98013 13.9905 0.742967 32 9.52528 2.65321 8.31383 3.26375 14.2377 0.797312 33 7.6984 2.38598 6.37662 2.69301 14.5011 0.868373 34 6.446 2.08793 5.12347 2.22318 14.6931	22	49.9984	6.29835	77.9192	20.7327	11.7259	0.500502
25 32.6659 5.03181 42.3553 12.5434 12.5018 0.542598 26 27.83 4.45605 33.7461 10.0383 12.7655 0.563615 27 23.7892 4.10721 27.3213 8.48271 13.005 0.591446 28 20.1745 3.75359 21.8348 7.01648 13.2398 0.6175 29 16.8453 3.51951 17.1722 5.82912 13.503 0.65892 30 14.0322 3.25086 13.5661 4.80855 13.7387 0.707501 31 11.602 2.91458 10.6604 3.98013 13.9905 0.742967 32 9.52528 2.65321 8.31383 3.26375 14.2377 0.797312 33 7.6984 2.38598 6.37662 2.69301 14.5011 0.868373 34 6.446 2.08793 5.12347 2.22318 14.6931 0.901613 35 4.96683 1.75962 3.73576 1.74411 14.9996	23	43.3034	5.84386	63.2538	17.6459	12.0007	0.514535
26 27.83 4.45605 33.7461 10.0383 12.7655 0.563615 27 23.7892 4.10721 27.3213 8.48271 13.005 0.591446 28 20.1745 3.75359 21.8348 7.01648 13.2398 0.6175 29 16.8453 3.51951 17.1722 5.82912 13.503 0.65892 30 14.0322 3.25086 13.5661 4.80855 13.7387 0.707501 31 11.602 2.91458 10.6604 3.98013 13.9905 0.742967 32 9.52528 2.65321 8.31383 3.26375 14.2377 0.797312 33 7.6984 2.38598 6.37662 2.69301 14.5011 0.868373 34 6.446 2.08793 5.12347 2.22318 14.6931 0.901613 35 4.96683 1.75962 3.73576 1.74411 14.9996 0.976476 36 4.23649 1.66135 3.07268 1.59476 15.1928 1.03734 37 3.50147 1.0419 2.10707 0.978	24	37.8437	5.18182	52.0938	14.501	12.2434	0.523403
27 23.7892 4.10721 27.3213 8.48271 13.005 0.591446 28 20.1745 3.75359 21.8348 7.01648 13.2398 0.6175 29 16.8453 3.51951 17.1722 5.82912 13.503 0.65892 30 14.0322 3.25086 13.5661 4.80855 13.7387 0.707501 31 11.602 2.91458 10.6604 3.98013 13.9905 0.742967 32 9.52528 2.65321 8.31383 3.26375 14.2377 0.797312 33 7.6984 2.38598 6.37662 2.69301 14.5011 0.868373 34 6.446 2.08793 5.12347 2.22318 14.6931 0.901613 35 4.96683 1.75962 3.73576 1.74411 14.9996 0.976476 36 4.23649 1.66135 3.07268 1.59476 15.1928 1.03734 37 3.50147 1.21143 2.41358 1.13331 15.385 1.05542 38 3.16107 1.0419 2.10707 0.978	25	32.6659	5.03181	42.3553	12.5434	12.5018	0.542598
28 20.1745 3.75359 21.8348 7.01648 13.2398 0.6175 29 16.8453 3.51951 17.1722 5.82912 13.503 0.65892 30 14.0322 3.25086 13.5661 4.80855 13.7387 0.707501 31 11.602 2.91458 10.6604 3.98013 13.9905 0.742967 32 9.52528 2.65321 8.31383 3.26375 14.2377 0.797312 33 7.6984 2.38598 6.37662 2.69301 14.5011 0.868373 34 6.446 2.08793 5.12347 2.22318 14.6931 0.901613 35 4.96683 1.75962 3.73576 1.74411 14.9996 0.976476 36 4.23649 1.66135 3.07268 1.59476 15.1928 1.03734 37 3.50147 1.21143 2.41358 1.13331 15.385 1.05542 38 3.16107 1.0419 2.10707 0.978846 15.4879	26	27.83	4.45605	33.7461	10.0383	12.7655	0.563615
29 16.8453 3.51951 17.1722 5.82912 13.503 0.65892 30 14.0322 3.25086 13.5661 4.80855 13.7387 0.707501 31 11.602 2.91458 10.6604 3.98013 13.9905 0.742967 32 9.52528 2.65321 8.31383 3.26375 14.2377 0.797312 33 7.6984 2.38598 6.37662 2.69301 14.5011 0.868373 34 6.446 2.08793 5.12347 2.22318 14.6931 0.901613 35 4.96683 1.75962 3.73576 1.74411 14.9996 0.976476 36 4.23649 1.66135 3.07268 1.59476 15.1928 1.03734 37 3.50147 1.21143 2.41358 1.13331 15.385 1.05542 38 3.16107 1.0419 2.10707 0.978846 15.4879 1.06168	27	23.7892	4.10721	27.3213	8.48271	13.005	0.591446
30 14.0322 3.25086 13.5661 4.80855 13.7387 0.707501 31 11.602 2.91458 10.6604 3.98013 13.9905 0.742967 32 9.52528 2.65321 8.31383 3.26375 14.2377 0.797312 33 7.6984 2.38598 6.37662 2.69301 14.5011 0.868373 34 6.446 2.08793 5.12347 2.22318 14.6931 0.901613 35 4.96683 1.75962 3.73576 1.74411 14.9996 0.976476 36 4.23649 1.66135 3.07268 1.59476 15.1928 1.03734 37 3.50147 1.21143 2.41358 1.13331 15.385 1.05542 38 3.16107 1.0419 2.10707 0.978846 15.4879 1.06168	28	20.1745	3.75359	21.8348	7.01648	13.2398	0.6175
31 11.602 2.91458 10.6604 3.98013 13.9905 0.742967 32 9.52528 2.65321 8.31383 3.26375 14.2377 0.797312 33 7.6984 2.38598 6.37662 2.69301 14.5011 0.868373 34 6.446 2.08793 5.12347 2.22318 14.6931 0.901613 35 4.96683 1.75962 3.73576 1.74411 14.9996 0.976476 36 4.23649 1.66135 3.07268 1.59476 15.1928 1.03734 37 3.50147 1.21143 2.41358 1.13331 15.385 1.05542 38 3.16107 1.0419 2.10707 0.978846 15.4879 1.06168	29	16.8453	3.51951	17.1722	5.82912	13.503	0.65892
32 9.52528 2.65321 8.31383 3.26375 14.2377 0.797312 33 7.6984 2.38598 6.37662 2.69301 14.5011 0.868373 34 6.446 2.08793 5.12347 2.22318 14.6931 0.901613 35 4.96683 1.75962 3.73576 1.74411 14.9996 0.976476 36 4.23649 1.66135 3.07268 1.59476 15.1928 1.03734 37 3.50147 1.21143 2.41358 1.13331 15.385 1.05542 38 3.16107 1.0419 2.10707 0.978846 15.4879 1.06168	30	14.0322	3.25086	13.5661	4.80855	13.7387	0.707501
33 7.6984 2.38598 6.37662 2.69301 14.5011 0.868373 34 6.446 2.08793 5.12347 2.22318 14.6931 0.901613 35 4.96683 1.75962 3.73576 1.74411 14.9996 0.976476 36 4.23649 1.66135 3.07268 1.59476 15.1928 1.03734 37 3.50147 1.21143 2.41358 1.13331 15.385 1.05542 38 3.16107 1.0419 2.10707 0.978846 15.4879 1.06168	31	11.602	2.91458	10.6604	3.98013	13.9905	0.742967
34 6.446 2.08793 5.12347 2.22318 14.6931 0.901613 35 4.96683 1.75962 3.73576 1.74411 14.9996 0.976476 36 4.23649 1.66135 3.07268 1.59476 15.1928 1.03734 37 3.50147 1.21143 2.41358 1.13331 15.385 1.05542 38 3.16107 1.0419 2.10707 0.978846 15.4879 1.06168	32	9.52528	2.65321	8.31383	3.26375	14.2377	0.797312
35 4.96683 1.75962 3.73576 1.74411 14.9996 0.976476 36 4.23649 1.66135 3.07268 1.59476 15.1928 1.03734 37 3.50147 1.21143 2.41358 1.13331 15.385 1.05542 38 3.16107 1.0419 2.10707 0.978846 15.4879 1.06168	33	7.6984	2.38598	6.37662	2.69301	14.5011	0.868373
36 4.23649 1.66135 3.07268 1.59476 15.1928 1.03734 37 3.50147 1.21143 2.41358 1.13331 15.385 1.05542 38 3.16107 1.0419 2.10707 0.978846 15.4879 1.06168	34	6.446	2.08793	5.12347	2.22318	14.6931	0.901613
37 3.50147 1.21143 2.41358 1.13331 15.385 1.05542 38 3.16107 1.0419 2.10707 0.978846 15.4879 1.06168	35	4.96683	1.75962	3.73576	1.74411	14.9996	0.976476
38 3.16107 1.0419 2.10707 0.978846 15.4879 1.06168	36	4.23649	1.66135	3.07268	1.59476	15.1928	1.03734
	37	3.50147	1.21143	2.41358	1.13331	15.385	1.05542
39 2.7877 0.644417 1.76851 0.601808 15.5952 1.06894	38	3.16107	1.0419	2.10707	0.978846	15.4879	1.06168
	39	2.7877	0.644417	1.76851	0.601808	15.5952	1.06894