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Tc with AsqTada and p4rhmc, July 23 update.

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Tc with AsqTad and p4rhmc, July 23, 2007 Update

Contents

We present the ongoing analysis of Lattice Quantum Chromodynamics runs on the LLNL BG/L supercomputer. This installment adds the density analysis of the p4rhmc for the first five thousand trajectories and the AsqTad action results for $N_\tau=6$ results for ten thousand trajectories.

A MILC $N_\tau=6$

```

1: 2784: beta ns nt mud ms u0 dt accept N
2: 2470:6.4000 32 6 0.00909 0.0909 0.8520 0.03850 0.77 10650
3: 2472:6.4300 32 6 0.00862 0.0862 0.8535 0.04170 0.69 10560
4: 2470:6.4580 32 6 0.00820 0.0820 0.8549 0.04170 0.75 11260
5: 2430:6.4800 32 6 0.00791 0.0791 0.8560 0.04170 0.78 9400
6: 2430:6.5000 32 6 0.00765 0.0765 0.8570 0.04170 0.81 9860
7: 2468:6.5250 32 6 0.00735 0.0735 0.8581 0.04170 0.84 10150
8: 4551: beta ns nt ReP dReP chi_L dchi_L cgiters dcgitters N
9: 2338:6.4000 32 6 0.0200 0.0002 0.082 0.001 0.0 0.0 10650
10: 2355:6.4300 32 6 0.0268 0.0002 0.090 0.002 0.0 0.0 10560
11: 2355:6.4580 32 6 0.0354 0.0002 0.103 0.003 0.0 0.0 11260
12: 2311:6.4800 32 6 0.0444 0.0002 0.107 0.005 0.0 0.0 9400
13: 2319:6.5000 32 6 0.0527 0.0005 0.117 0.004 0.0 0.0 9860
14: 2349:6.5250 32 6 0.0633 0.0003 0.121 0.004 0.0 0.0 10150
15: 4753: beta ns nt pbp_ud dpbp_ud pbp_s dpbp_s plaq dplaq N
16: 3386:6.4000 32 6 0.088918 0.000150 0.218183 0.000081 1.580640 0.000034 10650
17: 3393:6.4300 32 6 0.074299 0.000160 0.201693 0.000083 1.592900 0.000038 10560
18: 3395:6.4580 32 6 0.060248 0.000160 0.186369 0.000077 1.604050 0.000038 11260
19: 3328:6.4800 32 6 0.048864 0.000200 0.174612 0.000100 1.612750 0.000044 9400
20: 3333:6.5000 32 6 0.039539 0.000310 0.164155 0.000150 1.620530 0.000044 9860
21: 3374:6.5250 32 6 0.030436 0.000150 0.152311 0.000092 1.629580 0.000029 10150
22: 5569: beta ns nt rect direct pgm dpgm pb_dmdu_p_ud dpb_dmdu_p_ud N
23: 3349:6.4000 32 6 0.815018 0.000049 0.832906 0.000053 -4.89929 0.00013 10650
24: 3352:6.4300 32 6 0.830520 0.000052 0.849466 0.000057 -4.89981 0.00013 10560
25: 3377:6.4580 32 6 0.844757 0.000049 0.864618 0.000050 -4.89888 0.00012 11260
26: 3332:6.4800 32 6 0.855925 0.000058 0.876439 0.000072 -4.89775 0.00015 9400
27: 3331:6.5000 32 6 0.865968 0.000067 0.887052 0.000068 -4.89615 0.00012 9860
28: 3374:6.5250 32 6 0.877618 0.000042 0.899367 0.000046 -4.89491 0.00009 10150
29: 7535: beta ns nt pb_dmdu_p_s dpb_dmdu_p_s chi_pbp_d dchi_pbp_d chi_pbp_c dchi_pbp_c N
30: 3136:6.4000 32 6 -4.83321 0.00014 0.99860 0.05230 1.15760 0.00170 10650
31: 3113:6.4300 32 6 -4.84105 0.00013 1.21060 0.10250 1.23290 0.00180 10560
32: 3137:6.4580 32 6 -4.84684 0.00013 1.36000 0.08080 1.32480 0.00220 11260
33: 3094:6.4800 32 6 -4.85028 0.00017 1.38980 0.11040 1.40270 0.00270 9400
34: 3095:6.5000 32 6 -4.85273 0.00016 1.36090 0.08500 1.44330 0.00260 9860
35: 3114:6.5250 32 6 -4.85607 0.00011 0.94010 0.06030 1.42800 0.00100 10150
36: 7373: beta ns nt chi_pbp_t dchi_pbp_t chi_pbp_s dchi_pbp_s chi_pbps_d dchi_pbps_d N
37: 3071:6.4000 32 6 2.15620 0.05200 3.31380 0.05170 0.31080 0.02170 10650
38: 3081:6.4300 32 6 2.44340 0.10240 3.67630 0.10240 0.33920 0.02710 10560
39: 3110:6.4580 32 6 2.68480 0.08090 4.00960 0.08110 0.34440 0.01860 11260
40: 3051:6.4800 32 6 2.79250 0.11090 4.19520 0.11140 0.35880 0.03400 9400

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41: 3051:6.5000 32 6 2.80420 0.08550 4.24760 0.08610 0.40360 0.03310 9860
42: 3119:6.5250 32 6 2.36810 0.05980 3.79600 0.05940 0.36290 0.02770 10150
43: 7831: beta ns nt chi_pbps_c dchi_pbps_c chi_pbps_t dchi_pbps_t
chi_pbp_ss dchi_pbp_ss N
44: 3067:6.4000 32 6 0.62170 0.00020 0.93260 0.02160 1.55430 0.02140 10650
45: 3087:6.4300 32 6 0.64570 0.00020 0.98490 0.02710 1.63060 0.02700 10560
46: 3098:6.4580 32 6 0.66960 0.00020 1.01410 0.01860 1.68380 0.01860 11260
47: 3038:6.4800 32 6 0.68910 0.00040 1.04790 0.03400 1.73700 0.03410 9400
48: 3025:6.5000 32 6 0.70640 0.00070 1.11000 0.03360 1.81640 0.03400 9860
49: 3083:6.5250 32 6 0.72520 0.00030 1.08810 0.02770 1.81330 0.02770 10150
50: 6265: beta ns nt chi_II dchi_II chi_Oud dchi_Oud chi_S dchi_S chi_BB dchi_BB N
51: 3453:6.4000 32 6 0.1656 0.0014 0.3892 0.1044 0.1354 0.0043 0.0688 0.0176 10650
52: 3447:6.4300 32 6 0.2135 0.0011 0.7168 0.1116 0.1778 0.0047 0.1411 0.0169 10560
53: 3473:6.4580 32 6 0.2696 0.0014 0.9198 0.0648 0.2480 0.0043 0.1760 0.0119 11260
54: 3395:6.4800 32 6 0.3215 0.0014 1.0840 0.0648 0.3280 0.0065 0.2236 0.0115 9400
55: 3418:6.5000 32 6 0.3607 0.0022 1.3007 0.0468 0.3935 0.0047 0.2686 0.0090 9860
56: 3433:6.5250 32 6 0.4000 0.0011 1.4760 0.0360 0.4763 0.0047 0.3204 0.0068 10150
57: 4597: beta ns nt chi_YY dchi_YY chi_YB dchi_YB D_11 dD_11 N
58: 3032:6.4000 32 6 0.0961 0.0090 0.01944 0.01152 -0.06840 0.02628 10650
59: 3016:6.4300 32 6 0.1271 0.0112 0.04284 0.01332 -0.03420 0.02808 10560
60: 3055:6.4580 32 6 0.1778 0.0068 0.05328 0.00720 -0.03996 0.01620 11260
61: 2981:6.4800 32 6 0.2117 0.0065 0.05148 0.00756 -0.05040 0.01620 9400
62: 2985:6.5000 32 6 0.2534 0.0054 0.06156 0.00540 -0.03564 0.01224 9860
63: 3051:6.5250 32 6 0.2869 0.0043 0.05976 0.00432 -0.03096 0.00936 10150
64: 4531: beta ns nt D_ss dD_ss D_ls dD_ls C_ss dC_ss dSl ddSl N
65: 3810:6.4000 32 6 -0.0104 0.0043 -0.0281 0.0068 0.1458 0.0011 3.76e-03 6.00e-03 10650
66: 3823:6.4300 32 6 -0.0220 0.0047 -0.0119 0.0061 0.1998 0.0014 1.58e-02 9.20e-03 10560
67: 3834:6.4580 32 6 -0.0209 0.0043 -0.0281 0.0058 0.2693 0.0014 5.35e-03 7.50e-03 11260
68: 3786:6.4800 32 6 -0.0119 0.0058 -0.0180 0.0058 0.3398 0.0018 1.22e-02 5.70e-03 9400
69: 3762:6.5000 32 6 -0.0130 0.0040 -0.0205 0.0054 0.4064 0.0032 4.35e-03 4.80e-03 9860
70: 3866:6.5250 32 6 -0.0104 0.0040 -0.0076 0.0040 0.4867 0.0018 -4.97e-04 4.20e-03 10150
71: 1517: beta ns nt file N
72: 3594:6.4000 32 6 o326f21b640m00909m0909r.00100_10850.strip 10650
73: 3599:6.4300 32 6 o326f21b643m00862m0862r.00040_10760.strip 10560
74: 3648:6.4580 32 6 o326f21b6458m00820m0820r.00100_11460.strip 11260
75: 3573:6.4800 32 6 o326f21b648m00791m0791r.00100_09755.strip 9400
76: 3552:6.5000 32 6 o326f21b650m00765m0765r.00100_10060.strip 9860
77: 3651:6.5250 32 6 o326f21b6525m00735m0735r.00250_10425.strip 10150

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B P4RHMC density analysis

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1: 1608:Processing p4b3.46:
2 : 826:p4b3.46 100 800
3: 718:dens 69500
4: 4910: dens 3.130000e-03 1 0.07331673632 0.000163099564 -1.26213632048288e-05 5.50702785562877e-05
5: 5707: dens 3.130000e-03 2 -2.54495935102896e-05 2.58472957197952e-05 3.90834306025925e-05 3.04407627414786e-05
6: 5111: dens 3.130000e-03 3 0.2802604027 2.14399149365931e-05 2.3301492954139e-05 1.82240150852828e-05
7: 4063: dens 3.130000e-03 4 -3.592554906 0.01481179543 0.005879554425 0.009658270462
8: 4284: dens 3.130000e-03 8 0.2770247471 0.0002024338439 -0.0002160192285 0.0001986497183
9: 4908: dens 3.130000e-02 1 0.1553416839 0.0001118183494 -2.39832098286704e-05 3.12673121741658e-05
10: 5639: dens 3.130000e-02 2 4.60163258983059e-06 1.28421464208829e-05 1.64179476764311e-05 1.22536327524923e-05
11: 5189: dens 3.130000e-02 3 0.2787044205 1.51203075816738e-05 -4.3686973079727e-06 8.93930264092374e-06
12: 4183: dens 3.130000e-02 4 -2.53093402 0.001224566766 -0.0004998143092 0.0003642558667
13: 5241: dens 3.130000e-02 8 0.2772918341 4.18985287824706e-05 7.18804586937373e-06 2.58446499573956e-05
14: 2978: dens_pbp 3.130000e-03 0.05498755224 0.000122324673
15: 2753: chi_dis 3.130000e-03 0.4420133997 0.06490013421
16: 2723: chi_con 3.130000e-03 2.694416179 0.01110884657
17: 2687: chi_tot 3.130000e-03 3.136429579 0.0665343021
18: 3188: dens_pbp 3.130000e-02 0.1165062629 8.386376202145e-05
19: 2753: chi_dis 3.130000e-02 0.2203906054 0.02852610657

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20: 2814: chi_con 3.130000e-02 1.898200515 0.0009184250747
21: 2726: chi_tot 3.130000e-02 2.118591121 0.02865570304
22: 2386: c_2 3.130000e-03 -0.07281677086 0.07038324705
23: 2369: c_2 3.130000e-02 0.006281045246 0.01233441934
24: 2879: c11 3.130000e-03 3.130000e-03 -1.081289884 0.1396859748
25: 2959: c11 3.130000e-03 3.130000e-02 -0.2906869818 0.05012557381
26: 2908: c11 3.130000e-02 3.130000e-02 -0.1754186962 0.0244875463
27: 1652: c2q -0.4465785527 0.2803997811
28: 1611: c2B -0.2002240382 0.04123531629
29: 1670: c2Q 0.2328293267 0.006563793557
30: 1596: c2I 0.9356563421 0.01505621468
31: 4358: gauge 9980 4.043910702 0.0001407296148 7.44586260872081e-06 3.10330933141375e-07
32: 2463: hmc 9980 2.474271058 0.9917267315 0.5096241734
33: 10534: pbp 19960 3.1300000000000000e-03 0.07360131198 0.0001268281012 2.67068143543507e-06 2.65567694466117e-07 3.13000000000000001e-02 0.1554922557 9.49433032320454e-05 1.3418520454594e-06
34: 4711: plaq 9980 0.5239989738 1.63875776768328e-05 9.66828740141317e-08 4.16153660945919e-09
35: 4630: rect 9980 0.2839004404 2.34206126800484e-05 1.65332465435202e-07 8.21085552824837e-09
36: 4620: wline 39920 0.004154563499 0.0002183810575 8.98771375697274e-05 2.19316852603634e-06
37: 4859: wline_new 800 0.003884462662 0.0003156143281 1.82285256220683e-05 1.6756856740725e-06
38: 1611: Processing p4b3.49:
39: 829: p4b3.49 100 800
40: 711: dens 71500
41: 4911: dens 2.900000e-03 1 0.05350206172 0.0001823110236 8.45438932856377e-05 4.45514786226374e-05
42: 5664: dens 2.900000e-03 2 1.08231759073797e-05 2.20106918095991e-05 5.17739185725546e-06 2.61842254383964e-05
43: 5196: dens 2.900000e-03 3 0.2802184081 1.75225334225476e-05 -1.45530115055325e-05 1.22914218624956e-05
44: 4132: dens 2.900000e-03 4 -3.815841279 0.01648297767 -0.001465253558 0.009366795974
45: 4273: dens 2.900000e-03 8 0.2746191476 0.0002154962639 -0.0002340511095 0.0001662007451
46: 4878: dens 2.900000e-02 1 0.1319348364 0.0001152971276 2.93074493060869e-05 2.86977354464114e-05
47: 5757: dens 2.900000e-02 2 -3.01966513141613e-06 1.22436391459839e-05 -8.21728193216015e-06 9.76878982797814e-06
48: 5259: dens 2.900000e-02 3 0.2789849046 1.26299720084155e-05 -8.97189795510805e-06 7.72737013026853e-06
49: 4205: dens 2.900000e-02 4 -2.608800235 0.001472273598 0.0006781837765 0.0003649153792
50: 5214: dens 2.900000e-02 8 0.2762567535 5.80171391042306e-05 -2.32949540815514e-05 2.52310590391364e-05
51: 3033: dens_pbp 2.900000e-03 0.04012654629 0.0001367332677
52: 2777: chi_dis 2.900000e-03 0.5899475124 0.07451417207
53: 2722: chi_con 2.900000e-03 2.861880959 0.01236223325
54: 2744: chi_tot 2.900000e-03 3.451828472 0.07608268021
55: 3358: dens_pbp 2.900000e-02 0.09895112731 8.64728456820225e-05
56: 2658: chi_dis 2.900000e-02 0.2434097346 0.030322657
57: 2757: chi_con 2.900000e-02 1.956600176 0.001104205199
58: 2674: chi_tot 2.900000e-02 2.20000991 0.03046383148
59: 2331: c_2 2.900000e-03 0.04613427028 0.05682453421
60: 2406: c_2 2.900000e-02 0.06564926648 0.006893262328
61: 2908: c11 2.900000e-03 2.900000e-03 -0.8155060146 0.1132479865
62: 2945: c11 2.900000e-03 2.900000e-02 -0.2073911906 0.03521312917
63: 2891: c11 2.900000e-02 2.900000e-02 -0.1141107467 0.0130986224
64: 1681: c2q -0.08422742214 0.2265905791
65: 1632: c2B -0.1191522876 0.03252804833
66: 1663: c2Q 0.2371915375 0.005551589651
67: 1593: c2I 0.9077745551 0.01392113252
68: 4325: gauge 9980 3.983068098 0.0001485921727 7.4683931263463e-06 3.6678927097578e-07
69: 2408: hmc 9990 1.892014008 1.043047299 0.5585728317
70: 10248: pbp 19980 2.8999999999999998e-03 0.05357540509 0.0001781591375 4.06520943388823e-06 4.1529601594984e-07 2.900000000000000001e-02 0.1320209965 0.0001136682272 1.640251822249e-06 1.3418520454594e-06
71: 4676: plaq 9980 0.5309396395 1.73504950987028e-05 9.61128882653148e-08 4.91733223128407e-09
72: 4641: rect 9980 0.2924644932 2.5160972156789e-05 1.71237803579563e-07 9.78705678216358e-09
73: 4583: wline 40000 0.007378322109 0.0002443372669 8.85413409254663e-05 1.98805832554241e-06
74: 4947: wline_new 576 0.007410539066 0.0003528448713 1.58104565979319e-05 1.99308983139893e-06
75: 1604: Processing p4b3.51:
76: 822: p4b3.51 100 800
77: 704: dens 60000
78: 4935: dens 2.590000e-03 1 0.04029253291 0.0002070454962 4.92909594587981e-05 5.35628428061246e-05
79: 5624: dens 2.590000e-03 2 -1.56804453056664e-05 2.3063537622338e-05 3.29122600025901e-05 2.58044818326779e-05
80: 5071: dens 2.590000e-03 3 0.2803213832 2.00936240128857e-05 2.82219524465407e-06 1.376990780342e-05
81: 3944: dens 2.590000e-03 4 -4.063769225 0.02552184675 0.01324832517 0.01106832574
82: 4548: dens 2.590000e-03 8 0.2719708798 0.000185122826 5.00615480448778e-05 0.0001863999388
83: 4794: dens 2.590000e-02 1 0.1131276004 0.0001207868404 1.0221847508696e-05 3.24004739906183e-05
84: 5565: dens 2.590000e-02 2 9.44252270271116e-06 1.2611189425099e-05 -1.43932030782235e-06 1.0444621591884e-05
85: 5264: dens 2.590000e-02 3 0.2793072002 1.52928670666581e-05 -7.90356487425838e-06 8.97093156903576e-06
86: 4113: dens 2.590000e-02 4 -2.700218334 0.00187937528 0.0003059702211 0.0004291410117
87: 5147: dens 2.590000e-02 8 0.2747167366 6.17271403431059e-05 3.50938027720296e-05 2.9281674948621e-05
88: 3035: dens_pbp 2.590000e-03 0.03021939968 0.0001552841221
89: 2790: chi_dis 2.590000e-03 0.6293936437 0.09862286331
90: 2730: chi_con 2.590000e-03 3.047826919 0.01914138507
91: 2698: chi_tot 2.590000e-03 3.677220562 0.1038078635
92: 3353: dens_pbp 2.590000e-02 0.08484570027 9.05901303298191e-05
93: 2751: chi_dis 2.590000e-02 0.2185306016 0.03101449233
94: 2706: chi_con 2.590000e-02 2.025163751 0.00140953146
95: 2766: chi_tot 2.590000e-02 2.243694352 0.03173789897
96: 2251: c_2 2.590000e-03 0.131208424 0.04288938489
97: 2348: c_2 2.590000e-02 0.1104756722 0.006877024669
98: 2986: c11 2.590000e-03 2.590000e-03 -0.6574693477 0.08707342148
99: 2994: c11 2.590000e-03 2.590000e-02 -0.1779893291 0.03189856924
100: 2967: c11 2.590000e-02 2.590000e-02 -0.1060584148 0.01371097488
101: 1590: c2q 0.1240095368 0.1723287394
102: 1688: c2B -0.07117283173 0.02575664832
103: 1652: c2Q 0.2510495352 0.004636565704
104: 1626: c2I 0.9198861958 0.01371591984
105: 4447: gauge 11120 3.944422139 0.0001265633209 6.98962777779554e-06 3.21644835297099e-07
106: 2498: hmc 11130 1.632502528 0.9921340874 0.5773668519
107: 10370: pbp 22240 2.5899999999999999e-02 0.1131222007 0.0001002015447 1.41661365208902e-06 1.380236363509e-07 2.5899999999999999e-03 0.04026793894 0.0001615301513 4.16087899055272e-06
108: 4717: plaq 11120 0.5353518505 1.47726686009043e-05 9.12898807450824e-08 4.31526679738599e-09
109: 4670: rect 11120 0.2979406435 2.13951751411647e-05 1.62288542790621e-07 8.43515133210515e-09
110: 4461: wline 44440 0.01159924168 0.000244337037 9.24003247633321e-05 2.37902338010395e-06
111: 4859: wline_new 484 0.01220483148 0.0004342805942 1.96125485321834e-05 2.36374444808555e-06
112: 1607: Processing p4b3.54:
113: 825: p4b3.54 100 800
114: 705: dens 20500
115: 4899: dens 2.400000e-03 1 0.01946543436 0.0003773116945 2.02333337548242e-05 9.11148135492605e-05
116: 5567: dens 2.400000e-03 2 -3.848361585073e-05 4.13269821404141e-05 2.38384206150773e-05 3.67041702039894e-05
117: 5225: dens 2.400000e-03 3 0.2804739579 3.22547107011857e-05 -3.82311712982937e-05 2.11860539911185e-05
118: 3983: dens 2.400000e-03 4 -5.008756727 0.05330438307 0.003606382133 0.01680421887
119: 4254: dens 2.400000e-03 8 0.2648594525 0.0002706955096 0.0002752484815 0.0002098275603

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120: 4902: dens 2.400000e-02 1 0.09230585755 0.0001998966275 2.11003506473275e-05 6.45333072005406e-05
121: 5673: dens 2.400000e-02 2 -4.51072411030382e-06 2.81959815613147e-05 1.35602530497238e-05 2.45609487056846e-05
122: 5125: dens 2.400000e-02 3 0.2796685646 2.1473375731417e-05 -3.16126500186145e-05 1.8355941937642e-05
123: 4184: dens 2.400000e-02 4 -2.818725399 0.004955375789 -0.0005169562011 0.000708201024
124: 4873: dens 2.400000e-02 8 0.2697560036 0.0001499211484 6.93667365574226e-05 5.51531860821701e-05
125: 3053: dens_bbp 2.400000e-03 0.01459907577 0.0002829837709
126: 2721: chi_dis 2.400000e-03 0.4971071139 0.1674227198
127: 2693: chi_con 2.400000e-03 3.756567545 0.0399782873
128: 2695: chi_tot 2.400000e-03 4.253674659 0.1662183136
129: 3038: dens_bbp 2.400000e-02 0.06922939317 0.0001499224706
130: 2773: chi_dis 2.400000e-02 0.1392914771 0.03603882893
131: 2692: chi_con 2.400000e-02 2.11404405 0.003716531842
132: 2746: chi_tot 2.400000e-02 2.253335527 0.03564557497
133: 2223: c_2 2.400000e-03 0.3392204565 0.0432107743
134: 2268: c_2 2.400000e-02 0.2128638137 0.02002025628
135: 2958: c11 2.400000e-03 2.400000e-03 -0.3104925732 0.08727854782
136: 2905: c11 2.400000e-03 2.400000e-02 -0.1759874082 0.0522827256
137: 2955: c11 2.400000e-02 2.400000e-02 -0.1383646444 0.04145981738
138: 1609: c2q 0.6073855672 0.1737867618
139: 1631: c2B 0.02542637078 0.03135067052
140: 1663: c2Q 0.3006598501 0.004637307989
141: 1621: c2I 0.9889334863 0.01383356809
142: 4847: gauge 11120 3.944422139 0.0001265633209 6.98962777779554e-06 3.21644835297099e-07 0 0 0 0 0
143: 2434:hmc 11310 1.275139289 1.002281417 0.6159881074
144: 10381:bbp 22620 2.399999999999999e-03 0.02140024435 0.0001855196497 5.17532172734907e-06 4.45697636998213e-07 2.4000000000000000e-02 0.09318775671 0.000101364913 1.45230053919808e-0
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146: 4654:rect 11290 0.3056468203 1.8158384140693e-05 1.48458626834436e-07 6.14630697719614e-09
147: 4532:wline 45160 0.02275667382 0.0002867056584 9.65606526187557e-05 1.7893498553447e-06
148: 4821:wline_new 164 0.02236655977 0.001074183078 2.76447849365003e-05 5.57058432513237e-06
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150: 828:p4b3.57 100 800
151: 701:dens 21000
152: 4945: dens 2.120000e-03 1 0.01046460485 0.0002274870027 9.97693101957822e-05 6.09059858797488e-05
153: 5624: dens 2.120000e-03 2 -1.4762374085401e-05 2.93434397412642e-05 -1.7846168573204e-05 2.68257434727362e-05
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155: 4071: dens 2.120000e-03 4 -4.282232859 0.04469286513 0.008893645267 0.006747193556
156: 4492: dens 2.120000e-03 8 0.2625149685 0.000150256803 4.80253864502076e-05 0.0001141428695
157: 4863: dens 2.120000e-02 1 0.07372671932 0.0002182101175 5.8564906190922e-05 4.74180820549589e-05
158: 5709: dens 2.120000e-02 2 -2.03330311887459e-05 2.20469432111842e-05 -1.91519550440623e-05 2.09837184396645e-05
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162: 3026: dens_bbp 2.120000e-03 0.007848453636 0.000170615252
163: 2760: chi_dis 2.120000e-03 0.1892352812 0.06317912056
164: 2721: chi_con 2.120000e-03 3.211674644 0.03351964885
165: 2749: chi_tot 2.120000e-03 3.400909925 0.05795832555
166: 3044: dens_bbp 2.120000e-02 0.05529503949 0.0001636575882
167: 2767: chi_dis 2.120000e-02 0.1740438982 0.04709745403
168: 2782: chi_con 2.120000e-02 2.158557239 0.002677753497
169: 2744: chi_tot 2.120000e-02 2.332601138 0.04758988175
170: 2229: c_2 2.120000e-03 0.4152295214 0.0242828718
171: 2274: c_2 2.120000e-02 0.3127717243 0.01551720287
172: 2953: c11 2.120000e-03 2.120000e-03 -0.1727853882 0.04872261316
173: 2936: c11 2.120000e-03 2.120000e-02 -0.1168035741 0.03421196472
174: 2956: c11 2.120000e-02 2.120000e-02 -0.1073452158 0.02968268757
175: 1597: c2q 0.7981941695 0.0970905101
176: 1645: c2B 0.08187091451 0.01924360498
177: 1648: c2Q 0.3168104091 0.002670701589
178: 1569: c2I 1.003244431 0.008563081011
179: 4759: gauge 12250 3.840099478 4.588649750911e-05 5.91281826723821e-06 1.80722604268939e-07
180: 2461:hmc 12230 1.067572714 1.007795388 0.6433799909
181: 11117:bbp 24460 2.119999999999999e-03 0.01070152448 6.98560239856788e-05 1.09624595377963e-06 1.00767719087154e-07 2.1200000000000000e-02 0.07410310192 7.23306807971447e-05 8.422376
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184: 4211:wline 48960 0.03396106519 0.0003150822733 0.0001061762151 2.42354657023586e-06
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187: 822:p4b3.60 100 800
188: 706:dens 35000
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192: 4080: dens 1.920000e-03 4 -3.642686581 0.01866457854 0.002960286949 0.001956736713
193: 5190: dens 1.920000e-03 8 0.2615810488 6.83856625302323e-05 5.00337382910965e-05 4.23936169213197e-05
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201: 2724: chi_con 1.920000e-03 2.732014935 0.01399843391
202: 2761: chi_tot 1.920000e-03 2.756956663 0.01672641576
203: 3370: dens_bbp 1.920000e-02 0.04626622535 6.72680917646896e-05
204: 2813: chi_dis 1.920000e-02 0.06217983174 0.01170283073
205: 2747: chi_con 1.920000e-02 2.140310442 0.001748129054
206: 2737: chi_tot 1.920000e-02 2.202490274 0.01190635965
207: 2347: c_2 1.920000e-03 0.4479605037 0.007964344163
208: 2349: c_2 1.920000e-02 0.3778534125 0.006691855523
209: 2956: c11 1.920000e-03 1.920000e-03 -0.1052015554 0.01579625719
210: 3019: c11 1.920000e-03 1.920000e-02 -0.07783095988 0.01361745401
211: 2939: c11 1.920000e-02 1.920000e-02 -0.0750990313 0.01331283331
212: 1654: c2q 0.8831388959 0.03112228496
213: 1644: c2B 0.1125456605 0.006946551189
214: 1672: c2Q 0.3228766669 0.001536479228
215: 1583: c2I 1.001122563 0.004783835055
216: 4758: gauge 11780 3.794111144 8.55280522828442e-05 5.71745784489637e-06 1.59161013894838e-07
217: 2509:hmc 11770 0.9568656915 1.001493225 0.6583309576
218: 11072:bbp 23580 1.919999999999999e-02 0.06137776756 4.97065686306998e-05 4.63046069911303e-07 3.5740841091358e-08 1.9200000000000000e-03 0.00713318898 2.67250804880285e-05 1.9345610
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224: 825:p4b3.63 100 800
225: 711:dens 26500
226: 5291: dens 1.700000e-03 1 0.005408242775 5.00119317712757e-05 7.36494957198961e-05 4.38030665572092e-05
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229: 4123: dens 1.700000e-03 4 -3.139603192 0.01801397415 -0.0003075550689 0.001289008521
230: 5152: dens 1.700000e-03 8 0.2609517143 7.97305192444975e-05 2.21788318756856e-05 4.1736013387471e-05
231: 4907: dens 1.700000e-02 1 0.05042070234 0.0001022928759 6.79043369905545e-05 4.24869463411414e-05
232: 5765: dens 1.700000e-02 2 -2.31493914233237e-05 1.90067481646484e-05 -3.89784872687084e-06 1.24571843949198e-05
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234: 4186: dens 1.700000e-02 4 -2.782957741 0.002169720664 0.0005351511336 0.0003477223665
235: 5227: dens 1.700000e-02 8 0.2625872649 8.56727253674205e-05 7.14904190890981e-05 3.37137781687995e-05
236: 3406: dens_bbp 1.700000e-03 0.004056182082 3.75089488284564e-05
237: 2853: chi_dis 1.700000e-03 0.01317125979 0.005141391132
238: 2702: chi_con 1.700000e-03 2.354702394 0.01351048061
239: 2743: chi_tot 1.700000e-03 2.367873653 0.01575701631
240: 3380: dens_bbp 1.700000e-02 0.03781552675 7.67196569588941e-05
241: 2817: chi_dis 1.700000e-02 0.05516120782 0.01089937842
242: 2766: chi_con 1.700000e-02 2.087218306 0.001627290498
243: 2730: chi_tot 1.700000e-02 2.142379513 0.01065151279
244: 2338: c_2 1.700000e-03 0.4751706685 0.007323484016
245: 2330: c_2 1.700000e-02 0.4270075475 0.006913293231
246: 3004: c11 1.700000e-03 1.700000e-03 -0.05767523339 0.01355293541
247: 2995: c11 1.700000e-03 1.700000e-02 -0.05321342237 0.01285692951
248: 3008: c11 1.700000e-02 1.700000e-02 -0.05286451119 0.01247838847
249: 1620: c2q 0.9599094918 0.0286445868
250: 1630: c2B 0.1348052007 0.006609374181
251: 1651: c2Q 0.3301583088 0.001701656466
252: 1491: c2I 1.00801657 0.00522287667
253: 4743:gauge 12040 3.750216606 7.65543761869632e-05 6.04199535481764e-06 1.74025840824952e-07
254: 2494:hmc 12050 0.8998542062 1.029729571 0.6749020242
255: 11003:ppb 24100 1.6999999999999999e-03 0.005375934548 1.60310230353929e-05 6.51930621343082e-08 8.70384246786204e-09 1.7000000000000001e-02 0.05037930051 4.703368062255e-05 3.6332873
256: 4708:plaq 12040 0.5575336492 8.94455653148357e-06 7.07806532475503e-08 2.00982290721668e-09
257: 4690:rect 12040 0.3255530974 1.35227404334282e-05 1.33229312987844e-07 4.55713727354886e-09
258: 4201:wline 48160 0.05193253334 0.0003263849033 0.0001120205185 2.57719338630432e-06
259: 4864:wline_new 216 0.05251019183 0.0007321590743 1.98196176469175e-05 4.37601523632909e-06
260: 1610:Processing p4b3.66:
261: 828:p4b3.66 100 800
262: 705:dens 11500
263: 5213: dens 1.700000e-03 1 0.00489526657 4.3279886511859e-05 -2.77115631271471e-05 5.27240402042015e-05
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265: 5195: dens 1.700000e-03 3 0.2805511642 4.32993880430179e-05 3.97028725103942e-05 3.45566906946755e-05
266: 4090: dens 1.700000e-03 4 -2.8717949 0.02202081205 -0.0001698144218 0.0004862991788
267: 4923: dens 1.700000e-03 8 0.2607185673 0.0001335254502 -4.71828451316191e-06 5.21195749784677e-05
268: 4955: dens 1.700000e-02 1 0.04715474573 0.0001122927271 -2.09509932373046e-05 5.27505951845156e-05
269: 5698: dens 1.700000e-02 2 1.10811753869782e-05 3.36298143832609e-05 -2.60870417534764e-05 3.04057971496572e-05
270: 5176: dens 1.700000e-02 3 0.2802700141 4.06034425983691e-05 4.38712957524666e-05 3.40495981061653e-05
271: 4499: dens 1.700000e-02 4 -2.661762508 0.004640603733 4.95531452889233e-05 0.0004277412491
272: 4814: dens 1.700000e-02 8 0.2619137106 0.000141522041 2.52882555177798e-06 4.30467704178708e-05
273: 3422: dens_bbp 1.700000e-03 0.003671449927 3.24599148838944e-05
274: 2862: chi_dis 1.700000e-03 0.001593384553 0.00135282458
275: 2713: chi_con 1.700000e-03 2.153846175 0.01651560904
276: 2752: chi_tot 1.700000e-03 2.155439559 0.01762533668
277: 3297: dens_bbp 1.700000e-02 0.0353660593 8.42195453267315e-05
278: 2863: chi_dis 1.700000e-02 0.01061475428 0.004622875743
279: 2667: chi_con 1.700000e-02 1.996321881 0.0034804528
280: 2784: chi_tot 1.700000e-02 2.006936635 0.005680455511
281: 2287: c_2 1.700000e-03 0.4724041699 0.01486002494
282: 2278: c_2 1.700000e-02 0.4375900651 0.01626219117
283: 2997: c11 1.700000e-03 1.700000e-03 -0.06201938563 0.02566163612
284: 3028: c11 1.700000e-03 1.700000e-02 -0.05996661761 0.02673638499
285: 3006: c11 1.700000e-02 1.700000e-02 -0.05877108965 0.02791017054
286: 1642: c2q 0.9376520304 0.05463158197
287: 1597: c2B 0.1333828649 0.01385606473
288: 1663: c2Q 0.3315129226 0.001898728871
289: 1588: c2I 1.006827725 0.005770222434
290: 5143:gauge 12040 3.750216606 7.65543761869632e-05 6.04199535481764e-06 1.74025840824952e-07 0 0 0 0
291: 2430:hmc 10600 0.853434396 1.004631727 0.6705035078
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293: 4723:plaq 10610 0.5622823351 9.43840528188469e-06 6.75725092390096e-08 4.2639983809492e-09
294: 4687:rect 10620 0.3314581237 1.47788150002373e-05 1.30486698630032e-07 5.09374499163629e-09
295: 4216:wline 42480 0.05936101419 0.0003185514832 0.0001054768351 2.67315783108274e-06
296: 4810:wline_new 92 0.05959326581 0.002328778916 3.16353988909247e-05 1.78319304959915e-05
297: 1613:Processing p4b3.69:
298: 831:p4b3.69 100 800
299: 713:dens 37500
300: 5297: dens 1.500000e-03 1 0.004048867108 1.02272863478096e-05 2.49777601397779e-05 3.47140770193833e-05
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305: 5250: dens 1.500000e-02 1 0.03967272089 3.68450948756429e-05 2.41160673557625e-05 3.35356590087506e-05
306: 5753: dens 1.500000e-02 2 -6.68602692776538e-07 1.51503473182113e-05 -6.62369696668728e-06 1.09804525217907e-05
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308: 4517: dens 1.500000e-02 4 -2.580566096 0.001546722013 5.89241956978518e-05 0.0001691372683
309: 5209: dens 1.500000e-02 8 0.2612062661 4.72163645654069e-05 -2.40730270836113e-06 2.03612268665891e-05
310: 3392: dens_bbp 1.500000e-03 0.003036650331 7.67046476085725e-06
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312: 2766: chi_con 1.500000e-03 2.021709771 0.004557936092
313: 2790: chi_tot 1.500000e-03 2.022597793 0.004743360905
314: 3350: dens_bbp 1.500000e-02 0.02975454067 2.76338211567336e-05
315: 2853: chi_dis 1.500000e-02 0.01149406872 0.002045036673
316: 2692: chi_con 1.500000e-02 1.935424572 0.00116004151
317: 2804: chi_tot 1.500000e-02 1.946918641 0.002295781577
318: 2364: c_2 1.500000e-03 0.4728238586 0.006731899676
319: 2338: c_2 1.500000e-02 0.4494534929 0.006260841742

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Tc with AsqTad and p4rhmc : UCRL-TR-233116

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320: 3001: c11 1.500000e-03 1.500000e-03 -0.06931865334 0.01291265159
321: 2946: c11 1.500000e-03 1.500000e-02 -0.06685047311 0.0124497078
322: 2988: c11 1.500000e-02 1.500000e-02 -0.06640901971 0.01204248833
323: 1648: c2q 0.9289397195 0.02614024274
324: 1641: c2B 0.1324535123 0.006358650789
325: 1654: c2Q 0.335451174 0.0007610977428
326: 1592: c2I 1.014966371 0.002338562371
327: 4729: gauge 10740 3.668111156 6.42390073788711e-05 5.21846332976139e-06 1.57311614100988e-07
328: 2501:hmc 10740 0.8081447778 1.012238407 0.6778805561
329: 11112:pbp 21480 1.4999999999999999e-02 0.03971194024 2.33758274749453e-05 9.7635672768727e-08 8.16908005939997e-09 1.5000000000000000e-03 0.004043361678 5.20342469503814e-06 7.320650
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335: 829:p4b3.76 100 800
336: 760:dens 117500
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350: 2731: chi_tot 1.390000e-03 1.824443739 0.00112220277
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355: 2329: c_2 1.390000e-03 0.4828031322 0.002523528139
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357: 3067: c11 1.390000e-03 1.390000e-03 -0.05021471666 0.004846875436
358: 3006: c11 1.390000e-03 1.390000e-02 -0.04914757215 0.00477245052
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360: 1663: c2q 0.959201583 0.009893857648
361: 1639: c2B 0.1428480825 0.002407528545
362: 1689: c2Q 0.3369032228 0.0004903226232
363: 1599: c2I 1.015820981 0.001471278965
364: 5129: gauge 10740 3.668111156 6.42390073788711e-05 5.21846332976139e-06 1.57311614100988e-07 0 0 0 0
365: 2489:hmc 10850 0.7570090081 1.019982664 0.6953650031
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377: 4003: dens 2.400000e-03 4 -4.429862369 0.03012895817 0.006841788283 0.01043553433
378: 4305: dens 2.400000e-03 8 0.2690981338 0.0002015680664 -0.0004283576387 0.0001795349258
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385: 2719: chi_dis 2.400000e-03 0.494350059 0.07594420296
386: 2730: chi_con 2.400000e-03 3.322396777 0.02259671863
387: 2758: chi_tot 2.400000e-03 3.816746836 0.07874118258
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390: 2783: chi_con 2.400000e-02 2.069186109 0.001599981677
391: 2736: chi_tot 2.400000e-02 2.218513461 0.01929770635
392: 2299: c_2 2.400000e-03 0.2467777748 0.03652551813
393: 2318: c_2 2.400000e-02 0.1424346803 0.009069003503
394: 2903: c11 2.400000e-03 2.400000e-03 -0.4789432651 0.0708580352
395: 2956: c11 2.400000e-03 2.400000e-02 -0.1758461113 0.02981590598
396: 2944: c11 2.400000e-02 2.400000e-02 -0.1279036758 0.01670453341
397: 1579: c2q 0.4481491603 0.1437005571
398: 1681: c2B -0.02162725085 0.02226649345
399: 1669: c2Q 0.2788951329 0.004373596404
400: 1617: c2I 0.9724988148 0.01270089079
401: 4423: gauge 5370 3.916899862 0.0001658442485 6.18526754351787e-06 2.47742858968207e-07
402: 2346:hmc 5370 1.4502229521 1.023669642 0.595339827
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405: 4664:rect 5370 0.3018453446 2.83031170193296e-05 1.44734838139844e-07 7.17950690349798e-09
406: 4534:wline 21480 0.01540640757 0.0004325520212 9.92085427283895e-05 3.11846947641216e-06
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415: 4245: dens 2.400000e-03 8 0.2678447145 0.0002167748438 0.0002203707396 0.0001460788223
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418: 5186: dens 2.400000e-02 3 0.2795702584 1.56987617892139e-05 1.11173737052548e-05 1.10774181046617e-05
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422: 2679: chi_dis 2.400000e-03 1.266760743 0.1589656526
423: 2715: chi_con 2.400000e-03 3.463136369 0.03123229944
424: 2690: chi_tot 2.400000e-03 4.729897112 0.1536554103
425: 3022: dens_bbp 2.400000e-02 0.07352294043 0.0001138492264
426: 2770: chi_dis 2.400000e-02 0.2965383222 0.03940173886
427: 2763: chi_con 2.400000e-02 2.083010874 0.002166584379
428: 2748: chi_tot 2.400000e-02 2.379549196 0.03870307515
429: 2274: c_2 2.400000e-03 0.3016222026 0.03176503699
430: 2324: c_2 2.400000e-02 0.1801491532 0.009343644162
431: 2963: c11 2.400000e-03 2.400000e-03 -0.3867378065 0.06192615259
432: 2940: c11 2.400000e-03 2.400000e-02 -0.1087285964 0.02721063105
433: 2929: c11 2.400000e-02 2.400000e-02 -0.1000095165 0.01721457913
434: 1578: c2q 0.6045702576 0.1240370904
435: 1644: c2B 0.01991095101 0.01881991709
436: 1659: c2Q 0.2856071528 0.004561882812
437: 1615: c2I 0.9899822117 0.01288063926
438: 4395: gauge 5050 3.908061844 0.0001628684397 6.72529238417959e-06 3.42915307874532e-07
439: 2407: hmc 5050 1.379706993 1.007150188 0.5971491549
440: 10361: pbbp 10100 2.3999999999999998e-03 0.02748676442 0.0003492330086 6.76645150460324e-06 9.19344767450993e-07 2.4000000000000000e-02 0.098117924 0.0001817923982 1.78096901422323e-06
441: 4680: plaq 5050 0.5395058132 1.89582492707867e-05 8.75239391659907e-08 4.52381493072346e-09
442: 4639: rect 5050 0.3031199765 2.71121010249145e-05 1.53955839587865e-07 8.26432454338023e-09
443: 4478: wline 20200 0.0184124796 0.0005011561504 9.88118696715759e-05 4.29270014355901e-06
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446: 878: p4c3.535 100 800
447: 711: dens 53500
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457: 5214: dens 2.400000e-02 8 0.2714534214 9.50572748441781e-05 -4.58091120649724e-05 3.07135271802732e-05
458: 3011: dens_bbp 2.400000e-03 0.01845402281 0.0001830241238
459: 2737: chi_dis 2.400000e-03 0.7799719833 0.1166926281
460: 2708: chi_con 2.400000e-03 3.535938702 0.02545202416
461: 2683: chi_tot 2.400000e-03 4.315910686 0.1144167225
462: 3341: dens_bbp 2.400000e-02 0.07186199562 9.80500554234112e-05
463: 2757: chi_dis 2.400000e-02 0.2245183577 0.04104217267
464: 2748: chi_con 2.400000e-02 2.090255413 0.001907005754
465: 2700: chi_tot 2.400000e-02 2.31477377 0.04069768373
466: 2285: c_2 2.400000e-03 0.2506735921 0.05745168044
467: 2337: c_2 2.400000e-02 0.1805639165 0.009951215643
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471: 1588: c2q 0.3711701362 0.2275767492
472: 1657: c2B -0.01204523067 0.03290303232
473: 1666: c2Q 0.2799404368 0.005123765672
474: 1606: c2I 0.9615958281 0.01070657723
475: 4334: gauge 5110 3.899125045 0.000185015255 6.54558382957986e-06 4.28621843375422e-07
476: 2438: hmc 5110 1.304618641 0.9979070206 0.6108084654
477: 10391: pbbp 10220 2.3999999999999998e-03 0.02452397925 0.000295421098 5.2684280819963e-06 7.87556729660687e-07 2.4000000000000000e-02 0.09570789443 0.0001597600056 1.42911528528065e-06
478: 4651: plaq 5110 0.5405253627 2.15270951717649e-05 8.55963386117456e-08 5.80763632820613e-09
479: 4635: rect 5110 0.3043786722 3.05104676918729e-05 1.55148893370591e-07 1.17395342302621e-08
480: 4218: wline 20440 0.01967421707 0.0004484587203 0.0001016544271 3.90513093479497e-06
481: 4916: wline_new 432 0.01965643994 0.0004669925569 1.98430698798456e-05 2.83440791345383e-06
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496: 2756: chi_dis 2.400000e-03 0.5347700119 0.07235133375
497: 2707: chi_con 2.400000e-03 3.580203533 0.02765368222
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502: 2755: chi_tot 2.400000e-02 2.225383695 0.02067892949
503: 2278: c_2 2.400000e-03 0.2976547128 0.02802203135
504: 2344: c_2 2.400000e-02 0.1971850712 0.0081496777337
505: 2957: c11 2.400000e-03 2.400000e-03 -0.3900093529 0.05359617188
506: 2965: c11 2.400000e-03 2.400000e-02 -0.1685473257 0.02459958174
507: 2957: c11 2.400000e-02 2.400000e-02 -0.1287415366 0.01564648279
508: 1546: c2q 0.495097892 0.1112188274
509: 1681: c2B 0.007265610264 0.01752442185
510: 1667: c2Q 0.2926694074 0.003244545939
511: 1669: c2I 0.9853187786 0.009871240914
512: 4407: gauge 5770 3.890439865 0.0001587886448 6.16544526181428e-06 3.45932274469232e-07
513: 2433: hmc 5770 1.300841651 0.9867702415 0.6114034407
514: 10423: pbbp 11540 2.3999999999999998e-03 0.02210441198 0.0001963757595 3.56083344223563e-06 3.41538943410022e-07 2.4000000000000000e-02 0.09346697787 0.0001161153411 1.08111335693228e-06
515: 4663: plaq 5770 0.5415185215 1.85395786711704e-05 8.05061721098621e-08 4.66843930548395e-09
516: 4673: rect 5770 0.3056250806 2.69317284835565e-05 1.45544985196422e-07 9.47191697118507e-09
517: 4221: wline 23080 0.02209195439 0.0004429568426 0.0001018825758 3.19810533022528e-06
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526: 4917: dens 2.400000e-03 8 0.2642285356 0.0001518364826 -2.67197262278217e-05 8.62454653304522e-05
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533: 2762: chi_dis 2.400000e-03 0.5520083004 0.07668702667
534: 2731: chi_con 2.400000e-03 3.643775572 0.02617515779
535: 2757: chi_tot 2.400000e-03 4.195783873 0.07824618317
536: 3360: dens_pbp 2.400000e-02 0.06792368031 8.89466064269036e-05
537: 2781: chi_dis 2.400000e-02 0.1806973729 0.02623536698
538: 2754: chi_con 2.400000e-02 2.111801811 0.001759527735
539: 2753: chi_tot 2.400000e-02 2.292499183 0.02637195098
540: 2234: c_2 2.400000e-03 0.4062624627 0.0139946217
541: 2339: c_2 2.400000e-02 0.2445606973 0.0073277174365
542: 2945: c11 2.400000e-03 2.400000e-03 -0.2096091552 0.02642398071
543: 3019: c11 2.400000e-03 2.400000e-02 -0.09097999451 0.01610694955
544: 2924: c11 2.400000e-02 2.400000e-02 -0.1010133746 0.01422621756
545: 1673: c2q 0.8461889957 0.05517694854
546: 1688: c2B 0.07394627538 0.009101096212
547: 1669: c2Q 0.3095634795 0.002454249819
548: 1529: c2I 1.022134081 0.00719077226
549: 4321:gauge 5750 3.881225742 0.0001412872965 5.93127665904802e-06 3.1167441002968e-07
550: 2414:hmc 5750 1.207389254 1.012884823 0.6269926984
551:10429:pbp 11420 2.3999999999999998e-03 0.01834599037 0.0002029710323 3.53013594318798e-06 3.78820759672953e-07 2.4000000000000000e-02 0.09055944154 0.0001333330486 1.20148237963111e-0
552: 4685: plaq 5750 0.5425726854 1.65860691582218e-05 7.76376603994766e-08 4.20384642361795e-09
553: 4649: rect 5750 0.3069525964 2.50501701855104e-05 1.43295693760259e-07 8.56843313873521e-09
554: 4206:wline 23040 0.02529016783 0.0004530698462 0.0001021348427 3.69150249624063e-06
555: 4888:wline_new 424 0.02478661802 0.0005208257686 2.41390459669188e-05 3.74446525890374e-06
556: 1657:Processing p4c3.550:
557: 875:p4c3.550 100 800
558: 710:dens 52500
559: 4940: dens 2.400000e-03 1 0.01775092957 0.0001794289394 -4.76333061388125e-06 3.9986832731656e-05
560: 5698: dens 2.400000e-03 2 -7.72553490107313e-06 1.70633545971476e-05 -4.95619248634624e-06 1.7084365856963e-05
561: 5247: dens 2.400000e-03 3 0.2804404567 1.55779654932285e-05 -4.86923226805062e-06 1.37165578654168e-05
562: 4036: dens 2.400000e-03 4 -4.886418509 0.02940490525 0.002900048486 0.006130932316
563: 4930: dens 2.400000e-03 8 0.2646391387 0.0001258250917 -5.32052494926915e-05 9.28181824772266e-05
564: 4852: dens 2.400000e-02 1 0.08958283592 0.0001105472009 -1.12815321846939e-07 2.915412291377e-05
565: 5727: dens 2.400000e-02 2 -1.21938109669906e-05 1.33034551346767e-05 -7.34345625408046e-06 1.05177374742618e-05
566: 5179: dens 2.400000e-02 3 0.2796626379 1.35841780033614e-05 -8.78299680520172e-06 1.0852334147237e-05
567: 4070: dens 2.400000e-02 4 -2.7989659 0.002111192619 -0.000340310537 0.0004155584723
568: 5232: dens 2.400000e-02 8 0.2694318201 8.31970462574027e-05 -1.92559210656731e-05 2.49897855013273e-05
569: 3018: dens_pbp 2.400000e-03 0.01331319718 0.0001345717045
570: 2773: chi_dis 2.400000e-03 0.4128806748 0.05472416817
571: 2727: chi_con 2.400000e-03 3.664813882 0.02205367894
572: 2764: chi_tot 2.400000e-03 4.077694557 0.05746178692
573: 3353: dens_pbp 2.400000e-02 0.06718712694 8.29104006561697e-05
574: 2773: chi_dis 2.400000e-02 0.1568333077 0.02689351674
575: 2765: chi_con 2.400000e-02 2.099224425 0.001583394464
576: 2751: chi_tot 2.400000e-02 2.256057733 0.02697358584
577: 2300: c_2 2.400000e-03 0.3714868714 0.02192707598
578: 2327: c_2 2.400000e-02 0.2414462019 0.008242672438
579: 2942: c11 2.400000e-03 2.400000e-03 -0.2426263469 0.04361063821
580: 2896: c11 2.400000e-03 2.400000e-02 -0.1031055666 0.0209666784
581: 2931: c11 2.400000e-02 2.400000e-02 -0.0923780734 0.01600850222
582: 1587: c2q 0.7274842206 0.0873184233
583: 1623: c2B 0.05950916274 0.01420601015
584: 1622: c2Q 0.298582091 0.002448980588
585: 1650: c2I 0.9856000898 0.007330476023
586: 4349:gauge 5860 3.873681959 0.0001370516102 5.76337499795276e-06 2.2526818424734e-07
587: 2392:hmc 5860 1.216336147 1.001462389 0.6234284693
588: 10361:pbp 11720 2.3999999999999998e-03 0.01803523667 0.000222099855 3.77350685426583e-06 5.18504969372086e-07 2.4000000000000000e-02 0.08970625407 0.0001337650812 1.17655396710339e-0
589: 4677: plaq 5860 0.5434319713 1.60985454308366e-05 7.54468802291518e-08 3.01757469229698e-09
590: 4552: rect 5860 0.308001672 2.42617406932297e-05 1.3989412300198e-07 6.25525238794597e-09
591: 4551:wline 23440 0.02530620093 0.0004104949668 9.81824946785438e-05 3.24122351662699e-06
592: 4870:wline_new 424 0.02544466253 0.0004583571664 1.86957644113565e-05 2.32436163378337e-06
593: 1664:Processing p4h3.525:
594: 882:p4h3.525 100 800
595: 586:dens 0 0
596: 4284:gauge 4900 3.916883219 0.0001904170085 7.089591356646e-06 3.25635838315573e-07
597: 2475:hmc 4900 1.429207509 0.9818396427 0.5885909808
598: 10290:pbp 9800 2.3999999999999998e-03 0.03054372009 0.0002425225376 4.12413471088414e-06 4.53270264731632e-07 2.4000000000000000e-02 0.1004279606 0.0001470731084 1.36209264430932e-06
599: 4693: plaq 4900 0.5384978056 2.21932808752792e-05 9.29306618757946e-08 4.36076620485788e-09
600: 4673: rect 4900 0.3018612748 3.18618665756138e-05 1.69008046834268e-07 8.77268163078566e-09
601: 4494:wline 19600 0.01562257163 0.000432065963 9.72409385888045e-05 3.33867116510655e-06
602: 1368:wline_new 0 0 0 0
603: 1660:Processing p4h3.530:
604: 878:p4h3.530 100 800
605: 586:dens 0 0
606: 4324:gauge 4720 3.907464004 0.000188189474 7.02481704717428e-06 4.09813335760816e-07
607: 2295:hmc 4720 1.412863142 0.99467725 0.603540678
608: 10402:pbp 9420 2.3999999999999998e-03 0.0268197636 0.0003030138679 5.17593868775296e-06 8.17570909953031e-07 2.4000000000000000e-02 0.09755326983 0.0001663271386 1.43107055411294e-06
609: 4650: plaq 4720 0.5395753777 2.20301943165148e-05 9.17940312150645e-08 5.49608637063716e-09
610: 4565: rect 4720 0.3032177781 3.2450113650249e-05 1.64383836065082e-07 1.09647311338062e-08
611: 4577:wline 18880 0.01782099139 0.0004781434919 9.85692828154908e-05 3.47950120036946e-06
612: 1368:wline_new 0 0 0 0
613: 1665:Processing p4h3.535:
614: 883:p4h3.535 100 800
615: 586:dens 0 0
616: 4379:gauge 4840 3.898597005 0.0001730496231 6.14458806567671e-06 3.22277315382125e-07
617: 2377:hmc 4840 1.330460272 1.053992043 0.6104753832
618: 10327:pbp 9680 2.3999999999999998e-03 0.02411503032 0.0002929531614 4.8375223001877e-06 7.81926727771773e-07 2.4000000000000000e-02 0.09533827084 0.0001632542144 1.38555460121514e-06
619: 4627: plaq 4840 0.5405879808 2.02727421678108e-05 8.0071315978731e-08 4.33986295696178e-09
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620: 4631:rect 4840 0.3044768129 3.00079921620334e-05 1.43544232163613e-07 8.92737795514204e-09
621: 4513:wline 19360 0.02023634711 0.0005017737871 9.23216038503118e-05 4.08424852922331e-06
622: 1368:wline_new 0 0 0 0
623: 1661:Processing p4h3.540:
624: 879:p4h3.540 100 800
625: 586:dens 0 0
626: 4328:gauge 5670 3.890399101 0.0001495266055 6.13415064151178e-06 2.8911847198762e-07
627: 2334:hmc 5670 1.2685741 0.9888320415 0.6143401005
628: 10456:pbp 11340 2.3999999999999998e-03 0.02168376582 0.0002309562007 3.88739436840824e-06 5.02652572151649e-07 2.4000000000000000e-02 0.09330572107 0.0001283198387 1.14387167146815e-06
629: 4692:plaq 5670 0.5415232413 1.74590679585463e-05 8.01887976179369e-08 3.85298067206927e-09
630: 4632:rect 5670 0.3056315145 2.54226962853181e-05 1.45290129814312e-07 7.95111419223388e-09
631: 4519:wline 22680 0.0225275637 0.0004268277175 9.48994474070236e-05 3.59351986532574e-06
632: 1368:wline_new 0 0 0 0
633: 1666:Processing p4h3.545:
634: 884:p4h3.545 100 800
635: 586:dens 0 0
636: 4398:gauge 5180 3.881195796 0.0001433094113 5.99762415029207e-06 2.79658294662981e-07
637: 2379:hmc 5180 1.262352517 1.031652849 0.6261209305
638: 10419:pbp 10360 2.3999999999999998e-03 0.01914289319 0.0001857057587 2.82952366477026e-06 4.01548871674199e-07 2.4000000000000000e-02 0.0909405139 0.0001175808803 8.83866989504983e-06
639: 4691:plaq 5180 0.5425766155 1.67148689077817e-05 7.76325659489586e-08 3.73554635616203e-09
640: 4596:rect 5180 0.3069619508 2.4322870113885e-05 1.33770495015973e-07 7.53525489505402e-09
641: 4233:wline 20720 0.02395470078 0.0005081417244 0.0001038766885 3.83301462967796e-06
642: 1368:wline_new 0 0 0 0
643: 1662:Processing p4h3.550:
644: 880:p4h3.550 100 800
645: 586:dens 0 0
646: 4365:gauge 6070 3.873445156 0.0001282106048 5.64596118838322e-06 2.48933373670011e-07
647: 2409:hmc 6070 1.182076779 1.031092989 0.6260748834
648: 10380:pbp 12140 2.3999999999999998e-03 0.01691718979 0.0002096071694 3.63931976916015e-06 3.95370989135659e-07 2.4000000000000000e-02 0.089027174 0.0001248693167 1.15089433459041e-06
649: 4691:plaq 6070 0.5434598961 1.49836507649594e-05 7.34388679983515e-08 3.26034730356275e-09
650: 4658:rect 6070 0.3080441165 2.19390895966146e-05 1.31058980724829e-07 5.63082854168353e-09
651: 4125:wline 24280 0.02671467727 0.0005018666155 0.0001057723529 3.830209889124e-06
652: 1368:wline_new 0 0 0 0