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Tc with AsqTad and p4rhmc

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Tc with AsqTad and p4rhmc

Background

We present the ongoing analysis of Lattice Quantum Chromodynamics runs on the LLNL BG/L super-computer. This installment includes the analysis of 12,000 trajectories from the MILC AsqTad code on a $32^3 \times 8$ lattice and the time histories from the plaquette and $\psi - \bar{\psi}$ trajectories from the p4rhmc code.

P4RHMC Time Histories

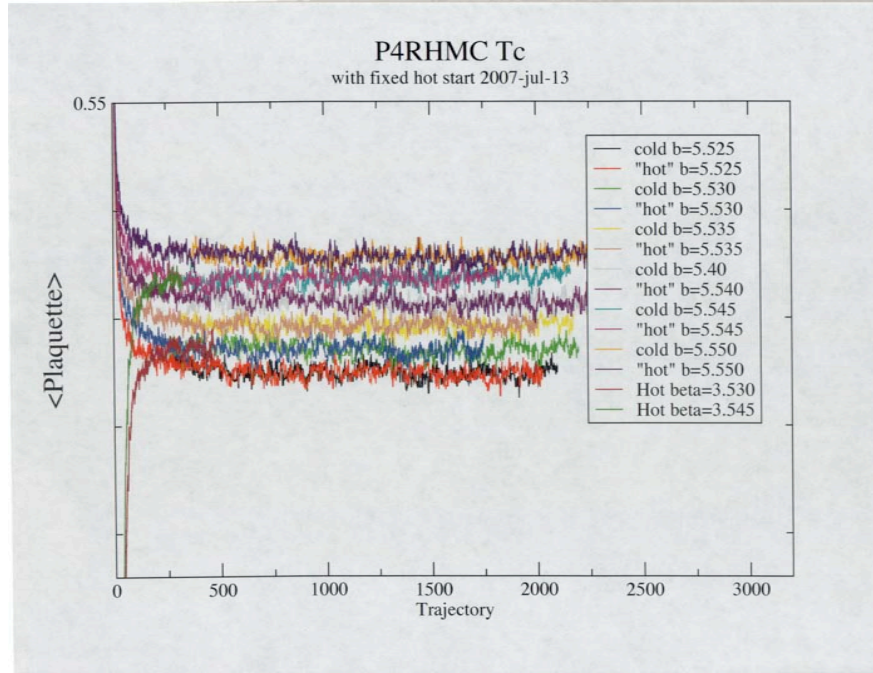


Figure 1: Mean plaquette for beta values near T_C with 12 cold starts (two per beta) and 2 hot starts

A MILC Analysis

A.1 Nt = 8, 12k statistics

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1: 2912: beta ns nt mud ms u0 dt accept N
2: 2478:6.4580 32 8 0.00820 0.0820 0.8549 0.04170 0.66 11590
3: 2487:6.5000 32 8 0.00765 0.0765 0.8569 0.04170 0.72 11848
4: 2485:6.5500 32 8 0.00705 0.0705 0.8594 0.04170 0.76 11995
5: 2459:6.6000 32 8 0.00650 0.0650 0.8616 0.04170 0.78 11240
6: 2476:6.6250 32 8 0.00624 0.0624 0.8626 0.04170 0.79 12065
7: 2495:6.6500 32 8 0.00599 0.0599 0.8636 0.04540 0.76 11705
8: 2492:6.6750 32 8 0.00575 0.0575 0.8646 0.04540 0.75 12355
9: 2464:6.7000 32 8 0.00552 0.0552 0.8657 0.04540 0.81 10090
10: 2468:6.7600 32 8 0.00500 0.0500 0.8678 0.04540 0.83 11285

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11: 2468:6.8000 32 8 0.00471 0.0471 0.8692 0.04540 0.84 11225
12: 2479:6.8500 32 8 0.00437 0.0437 0.8709 0.04540 0.86 11415
13: 2469:6.9000 32 8 0.00407 0.0407 0.8726 0.04540 0.86 11380
14: 2474:6.9500 32 8 0.00380 0.0380 0.8741 0.04540 0.86 11635
15: 2476:7.0000 32 8 0.00355 0.0355 0.8756 0.04540 0.87 11585
16: 2464:7.0800 32 8 0.00310 0.0310 0.8779 0.04540 0.86 11660
17: 4679: beta ns nt ReP dReP chi_L dchi_L cgiters dcgiters N
18: 2356:6.4580 32 8 0.0023 0.0001 0.061 0.001 0.0 0.0 11590
19: 2351:6.5000 32 8 0.0034 0.0001 0.060 0.001 0.0 0.0 11848
20: 2361:6.5500 32 8 0.0051 0.0001 0.063 0.001 0.0 0.0 11995
21: 2347:6.6000 32 8 0.0080 0.0001 0.068 0.001 0.0 0.0 11240
22: 2371:6.6250 32 8 0.0099 0.0001 0.068 0.002 0.0 0.0 12065
23: 2350:6.6500 32 8 0.0122 0.0002 0.070 0.002 0.0 0.0 11705
24: 2371:6.6750 32 8 0.0155 0.0002 0.075 0.003 0.0 0.0 12355
25: 2354:6.7000 32 8 0.0190 0.0002 0.077 0.002 0.0 0.0 10090
26: 2366:6.7600 32 8 0.0274 0.0002 0.081 0.003 0.0 0.0 11285
27: 2358:6.8000 32 8 0.0335 0.0002 0.086 0.003 0.0 0.0 11225
28: 2375:6.8500 32 8 0.0399 0.0002 0.087 0.003 0.0 0.0 11415
29: 2365:6.9000 32 8 0.0468 0.0002 0.092 0.003 0.0 0.0 11380
30: 2363:6.9500 32 8 0.0530 0.0002 0.093 0.002 0.0 0.0 11635
31: 2365:7.0000 32 8 0.0593 0.0002 0.095 0.002 0.0 0.0 11585
32: 2354:7.0800 32 8 0.0703 0.0002 0.106 0.003 0.0 0.0 11660
33: 4881: beta ns nt pbp_ud dpbp_ud pbp_s dpbp_s plaq dplaq N
34: 3405:6.4580 32 8 0.079447 0.000081 0.193585 0.000100 1.601880 0.000700 11590
35: 3402:6.5000 32 8 0.066871 0.000071 0.175455 0.000047 1.618250 0.000027 11848
36: 3404:6.5500 32 8 0.053576 0.000070 0.155646 0.000042 1.636290 0.000025 11995
37: 3367:6.6000 32 8 0.041828 0.000100 0.137752 0.000053 1.653170 0.000022 11240
38: 3384:6.6250 32 8 0.036422 0.000095 0.129450 0.000046 1.661190 0.000020 12065
39: 3387:6.6500 32 8 0.031276 0.000170 0.121499 0.000075 1.669120 0.000021 11705
40: 3399:6.6750 32 8 0.025788 0.000150 0.113674 0.000068 1.677000 0.000021 12355
41: 3374:6.7000 32 8 0.020977 0.000130 0.106250 0.000067 1.684650 0.000020 10090
42: 3384:6.7600 32 8 0.013403 0.000087 0.090620 0.000076 1.701880 0.000022 11285
43: 3389:6.8000 32 8 0.010519 0.000059 0.081992 0.000060 1.712980 0.000026 11225
44: 3392:6.8500 32 8 0.008411 0.000027 0.072756 0.000039 1.726390 0.000017 11415
45: 3368:6.9000 32 8 0.007123 0.000023 0.065134 0.000043 1.739310 0.000018 11380
46: 3373:6.9500 32 8 0.006214 0.000010 0.058701 0.000025 1.751800 0.000019 11635
47: 3395:7.0000 32 8 0.005499 0.000007 0.053097 0.000019 1.763930 0.000017 11585
48: 3379:7.0800 32 8 0.004518 0.000004 0.044387 0.000011 1.782670 0.000015 11660
49: 5697: beta ns nt rect drect pgm dpgm pb_dmdu_p_ud dpb_dmdu_p_ud N
50: 3347:6.4580 32 8 0.842143 0.000370 0.862072 0.000380 -4.89103 0.00210 11590
51: 3373:6.5000 32 8 0.862420 0.000037 0.883694 0.000043 -4.88994 0.00009 11848
52: 3378:6.5500 32 8 0.885566 0.000033 0.908192 0.000039 -4.88085 0.00007 11995
53: 3323:6.6000 32 8 0.907311 0.000032 0.931162 0.000035 -4.87404 0.00008 11240
54: 3353:6.6250 32 8 0.917672 0.000028 0.942088 0.000031 -4.87132 0.00006 12065
55: 3374:6.6500 32 8 0.927946 0.000038 0.952882 0.000036 -4.86817 0.00006 11705
56: 3356:6.6750 32 8 0.938221 0.000031 0.963641 0.000033 -4.86269 0.00005 12355
57: 3346:6.7000 32 8 0.948210 0.000029 0.974119 0.000034 -4.85861 0.00006 10090
58: 3380:6.7600 32 8 0.970649 0.000034 0.997566 0.000039 -4.85138 0.00007 11285
59: 3333:6.8000 32 8 0.985162 0.000036 1.012720 0.000037 -4.84531 0.00008 11225
60: 3306:6.8500 32 8 1.002730 0.000024 1.031000 0.000027 -4.83722 0.00004 11415

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61: 3338:6.9000 32 8 1.019700 0.000026 1.048640 0.000028 -4.82858 0.00004 11380
62: 3331:6.9500 32 8 1.036160 0.000029 1.065730 0.000029 -4.82112 0.00004 11635
63: 3313:7.0000 32 8 1.052200 0.000023 1.082360 0.000026 -4.81347 0.00004 11585
64: 3313:7.0800 32 8 1.077090 0.000023 1.108110 0.000026 -4.80151 0.00004 11660
65: 7663: beta ns nt pb_dmd_u_p_s dpb_dmd_u_p_s chi_pbp_d dchi_pbp_d chi_pbp_c dchi_pbp_c N
66: 3154:6.4580 32 8 -4.83768 0.00210 1.24520 0.80780 1.02540 0.00070 11590
67: 3156:6.5000 32 8 -4.84436 0.00009 0.57990 0.03970 1.04110 0.00090 11848
68: 3144:6.5500 32 8 -4.84326 0.00007 0.54530 0.03600 1.06250 0.00090 11995
69: 3122:6.6000 32 8 -4.84311 0.00007 0.67500 0.03230 1.09460 0.00170 11240
70: 3142:6.6250 32 8 -4.84339 0.00006 0.67140 0.05160 1.11740 0.00170 12065
71: 3150:6.6500 32 8 -4.84292 0.00009 0.88660 0.08600 1.14160 0.00330 11705
72: 3144:6.6750 32 8 -4.84001 0.00007 0.99030 0.08750 1.17600 0.00310 12355
73: 3146:6.7000 32 8 -4.83820 0.00006 0.77580 0.07330 1.18970 0.00240 10090
74: 3125:6.7600 32 8 -4.83560 0.00007 0.35050 0.02410 1.11270 0.00220 11285
75: 3128:6.8000 32 8 -4.83185 0.00007 0.16740 0.01410 1.01960 0.00240 11225
76: 3133:6.8500 32 8 -4.82624 0.00004 0.05910 0.00310 0.92390 0.00190 11415
77: 3138:6.9000 32 8 -4.81948 0.00004 0.02870 0.00370 0.85730 0.00200 11380
78: 3126:6.9500 32 8 -4.81347 0.00005 0.01460 0.00100 0.80810 0.00090 11635
79: 3129:7.0000 32 8 -4.80703 0.00004 0.00670 0.00060 0.76990 0.00060 11585
80: 3132:7.0800 32 8 -4.79685 0.00004 0.00260 0.00050 0.72670 0.00050 11660
81: 7501: beta ns nt chi_pbp_t dchi_pbp_t chi_pbp_s dchi_pbp_s chi_pbps_d dchi_pbps_d N
82: 3145:6.4580 32 8 2.27060 0.80740 3.29610 0.80700 4.46900 4.79790 11590
83: 3093:6.5000 32 8 1.62110 0.03940 2.66220 0.03920 0.23670 0.01340 11848
84: 3116:6.5500 32 8 1.60780 0.03590 2.67030 0.03580 0.19180 0.01160 11995
85: 3098:6.6000 32 8 1.76970 0.03270 2.86430 0.03320 0.20750 0.00970 11240
86: 3106:6.6250 32 8 1.78880 0.05150 2.90620 0.05150 0.17790 0.01000 12065
87: 3112:6.6500 32 8 2.02820 0.08490 3.16990 0.08390 0.21460 0.02350 11705
88: 3112:6.6750 32 8 2.16630 0.08810 3.34230 0.08880 0.22350 0.02360 12355
89: 3086:6.7000 32 8 1.96550 0.07250 3.15510 0.07170 0.20260 0.01520 10090
90: 3100:6.7600 32 8 1.46320 0.02420 2.57590 0.02450 0.16930 0.01240 11285
91: 3080:6.8000 32 8 1.18700 0.01560 2.20660 0.01730 0.14090 0.01090 11225
92: 3095:6.8500 32 8 0.98300 0.00410 1.90690 0.00560 0.09470 0.00530 11415
93: 3087:6.9000 32 8 0.88610 0.00540 1.74340 0.00730 0.06710 0.00630 11380
94: 3085:6.9500 32 8 0.82260 0.00180 1.63070 0.00260 0.04640 0.00260 11635
95: 3080:7.0000 32 8 0.77660 0.00110 1.54650 0.00170 0.02870 0.00220 11585
96: 3074:7.0800 32 8 0.72930 0.00090 1.45610 0.00130 0.01380 0.00070 11660
97: 7959: beta ns nt chi_pbps_c dchi_pbps_c chi_pbps_t dchi_pbps_t chi_pbp_ss dchi_pbp_ss N
98: 3138:6.4580 32 8 0.64000 0.00030 5.10900 4.79760 5.74890 4.79730 11590
99: 3094:6.5000 32 8 0.66010 0.00010 0.89680 0.01340 1.55680 0.01340 11848
100: 3089:6.5500 32 8 0.68060 0.00010 0.87250 0.01160 1.55300 0.01160 11995
101: 3096:6.6000 32 8 0.69870 0.00020 0.90620 0.00970 1.60490 0.00970 11240
102: 3070:6.6250 32 8 0.70720 0.00020 0.88510 0.01000 1.59230 0.01000 12065
103: 3078:6.6500 32 8 0.71540 0.00050 0.93000 0.02340 1.64550 0.02330 11705
104: 3115:6.6750 32 8 0.72520 0.00040 0.94870 0.02370 1.67390 0.02390 12355
105: 3079:6.7000 32 8 0.73400 0.00040 0.93660 0.01530 1.67060 0.01540 10090
106: 3094:6.7600 32 8 0.74860 0.00030 0.91800 0.01230 1.66660 0.01230 11285
107: 3080:6.8000 32 8 0.75230 0.00030 0.89320 0.01080 1.64550 0.01070 11225
108: 3081:6.8500 32 8 0.75040 0.00020 0.84510 0.00520 1.59550 0.00520 11415
109: 3072:6.9000 32 8 0.74280 0.00010 0.81000 0.00630 1.55280 0.00620 11380
110: 3082:6.9500 32 8 0.73210 0.00020 0.77860 0.00250 1.51070 0.00250 11635

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111: 3084:7.0000 32 8 0.71990 0.00010 0.74850 0.00220 1.46840 0.00220 11585
112: 3057:7.0800 32 8 0.70030 0.00010 0.71410 0.00080 1.41430 0.00080 11660
113: 6393: beta ns nt chi_II dchi_II chi_Oud dchi_Oud chi_s dchi_s chi_BB dchi_BB N
114: 3485:6.4580 32 8 0.0614 0.0006 -0.0256 0.1536 0.0371 0.0070 0.0122 0.0262 11590
115: 3455:6.5000 32 8 0.0864 0.0013 0.3533 0.1408 0.0454 0.0077 0.0550 0.0256 11848
116: 3450:6.5500 32 8 0.1248 0.0013 0.0826 0.1216 0.0838 0.0115 0.0128 0.0211 11995
117: 3449:6.6000 32 8 0.1824 0.0019 0.5549 0.1344 0.1498 0.0070 0.1043 0.0243 11240
118: 3462:6.6250 32 8 0.2176 0.0019 0.5798 0.1280 0.1786 0.0070 0.1030 0.0250 12065
119: 3470:6.6500 32 8 0.2547 0.0032 0.8166 0.0832 0.2349 0.0064 0.1594 0.0147 11705
120: 3470:6.6750 32 8 0.3046 0.0026 1.0490 0.0832 0.3059 0.0064 0.2099 0.0147 12355
121: 3448:6.7000 32 8 0.3456 0.0026 1.0931 0.0627 0.3680 0.0096 0.2330 0.0115 10090
122: 3481:6.7600 32 8 0.4077 0.0013 1.4893 0.0371 0.5197 0.0064 0.3168 0.0077 11285
123: 3454:6.8000 32 8 0.4333 0.0019 1.6774 0.0301 0.6227 0.0064 0.3725 0.0064 11225
124: 3455:6.8500 32 8 0.4480 0.0013 1.7184 0.0250 0.7059 0.0051 0.3962 0.0051 11415
125: 3460:6.9000 32 8 0.4595 0.0013 1.8054 0.0205 0.7674 0.0045 0.4218 0.0045 11380
126: 3478:6.9500 32 8 0.4640 0.0006 1.7978 0.0192 0.8058 0.0045 0.4282 0.0045 11635
127: 3478:7.0000 32 8 0.4672 0.0006 1.8451 0.0179 0.8378 0.0038 0.4474 0.0038 11585
128: 3471:7.0800 32 8 0.4749 0.0006 1.8714 0.0211 0.8781 0.0038 0.4563 0.0038 11660
129: 4725: beta ns nt chi_YY dchi_YY chi_VB dchi_YB D_11 dD_11 N
130: 3106:6.4580 32 8 0.0006 0.0147 -0.01472 0.01728 -0.06784 0.03776 11590
131: 2991:6.5000 32 8 0.0557 0.0134 0.03264 0.01600 0.00192 0.03584 11848
132: 3080:6.5500 32 8 0.0493 0.0122 -0.00448 0.01344 -0.10432 0.03008 11995
133: 3024:6.6000 32 8 0.1094 0.0115 0.03264 0.01472 -0.04416 0.03264 11240
134: 3027:6.6250 32 8 0.1312 0.0115 0.03264 0.01344 -0.07232 0.03264 12065
135: 3040:6.6500 32 8 0.1626 0.0083 0.04352 0.00960 -0.05056 0.02048 11705
136: 3047:6.6750 32 8 0.2048 0.0070 0.05376 0.00960 -0.04224 0.02048 12355
137: 3024:6.7000 32 8 0.2240 0.0070 0.04288 0.00704 -0.07232 0.01536 10090
138: 3048:6.7600 32 8 0.3149 0.0051 0.05568 0.00448 -0.03520 0.00960 11285
139: 3047:6.8000 32 8 0.3584 0.0038 0.05184 0.00384 -0.01408 0.00768 11225
140: 3039:6.8500 32 8 0.3866 0.0032 0.03648 0.00320 -0.01856 0.00640 11415
141: 3019:6.9000 32 8 0.4128 0.0032 0.03200 0.00256 -0.00768 0.00512 11380
142: 3031:6.9500 32 8 0.4237 0.0032 0.02240 0.00256 -0.01408 0.00448 11635
143: 3033:7.0000 32 8 0.4326 0.0026 0.01856 0.00256 -0.00640 0.00448 11585
144: 3030:7.0800 32 8 0.4506 0.0026 0.01344 0.00256 -0.00704 0.00576 11660
145: 4659: beta ns nt O_ss dO_ss O_ls dO_ls C_ss dC_ss dS1 ddS1 N
146: 3843:6.4580 32 8 -0.0019 0.0070 0.0147 0.0122 0.0397 0.0006 -4.89e-03 9.40e-03 11590
147: 3845:6.5000 32 8 -0.0128 0.0077 -0.0166 0.0109 0.0589 0.0006 3.72e-03 7.60e-03 11848
148: 3895:6.5500 32 8 -0.0109 0.0109 -0.0224 0.0096 0.0947 0.0006 -4.48e-03 5.80e-03 11995
149: 3871:6.6000 32 8 -0.0045 0.0070 -0.0192 0.0096 0.1549 0.0019 -1.53e-03 5.90e-03 11240
150: 3835:6.6250 32 8 -0.0147 0.0064 -0.0346 0.0090 0.1933 0.0019 8.14e-04 5.20e-03 12065
151: 3833:6.6500 32 8 -0.0064 0.0058 -0.0237 0.0070 0.2413 0.0038 2.84e-03 6.80e-03 11705
152: 3830:6.6750 32 8 -0.0051 0.0064 -0.0237 0.0064 0.3110 0.0038 3.87e-03 6.10e-03 12355
153: 3869:6.7000 32 8 -0.0122 0.0077 -0.0154 0.0064 0.3802 0.0032 -9.65e-03 5.80e-03 10090
154: 3825:6.7600 32 8 -0.0141 0.0058 -0.0262 0.0051 0.5331 0.0032 1.99e-04 4.20e-03 11285
155: 3859:6.8000 32 8 -0.0019 0.0051 -0.0166 0.0051 0.6246 0.0032 -3.37e-03 4.30e-03 11225
156: 3767:6.8500 32 8 0.0013 0.0051 -0.0122 0.0038 0.7046 0.0026 2.19e-04 3.30e-03 11415
157: 3766:6.9000 32 8 0.0000 0.0045 -0.0102 0.0038 0.7674 0.0026 3.36e-03 3.20e-03 11380
158: 3831:6.9500 32 8 -0.0038 0.0045 -0.0083 0.0038 0.8096 0.0013 1.50e-03 3.60e-03 11635
159: 3812:7.0000 32 8 -0.0038 0.0038 0.0006 0.0026 0.8416 0.0013 -2.90e-04 3.00e-03 11585
160: 3829:7.0800 32 8 -0.0096 0.0038 -0.0026 0.0026 0.8877 0.0013 3.61e-03 3.00e-03 11660

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161: 1645: beta ns nt file N
162: 3680:6.4580 32 8 o328f21b6458m00820m0820r.01105_14995.strip 11590
163: 3632:6.5000 32 8 o328f21b650m00765m0765r.01125_14995.strip 11848
164: 3633:6.5500 32 8 o328f21b655m00705m0705r.00720_14995.strip 11995
165: 3604:6.6000 32 8 o328f21b660m00650m0650r.01150_14995.strip 11240
166: 3678:6.6250 32 8 o328f21b6625m00624m0624r.00065_14995.strip 12065
167: 3652:6.6500 32 8 o328f21b665m00599m0599r.00735_14995.strip 11705
168: 3695:6.6750 32 8 o328f21b6675m00575m0575r.00060_14995.strip 12355
169: 3614:6.7000 32 8 o328f21b670m00552m0552r.01280_14995.strip 10090
170: 3421:6.7600 32 8 o328f21b676m005m05r.01220_14995.strip 11285
171: 3624:6.8000 32 8 o328f21b680m00471m0471r.00945_14995.strip 11225
172: 3642:6.8500 32 8 o328f21b685m00437m0437r.00975_14995.strip 11415
173: 3615:6.9000 32 8 o328f21b690m00407m0407r.01015_14995.strip 11380
174: 3548:6.9500 32 8 o328f21b695m0038m038r.00995_14995.strip 11635
175: 3604:7.0000 32 8 o328f21b700m00355m0355r.01000_14995.strip 11585
176: 3508:7.0800 32 8 o328f21b708m0031m031r.01125_14995.strip 11660

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A.2 Nt = 6, to be added

B P4RHMC analyses

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1: 1608:Processing p4b3.46:
2: 0:
3: 2122:Prefix = wline, 1000 files
4: 1469:Start = 10, End = 10000
5: 3097:999 separations of 10 trajectories
6: 4181:wline.910 is size 36 lines instead of 40. Omitted.
7: 4136:wline.990 is size 4 lines instead of 40. Omitted.
8: 2009:Prefix = plaq, 1000 files
9: 1469:Start = 10, End = 10000
10: 3097:999 separations of 10 trajectories
11: 4017:plaq.910 is size 9 lines instead of 10. Omitted.
12: 4017:plaq.990 is size 1 lines instead of 10. Omitted.
13: 1891:Prefix = hmc, 1000 files
14: 1469:Start = 10, End = 10000
15: 3097:999 separations of 10 trajectories
16: 3899:hmc.910 is size 9 lines instead of 10. Omitted.
17: 3899:hmc.990 is size 1 lines instead of 10. Omitted.
18: 2009:Prefix = rect, 1000 files
19: 1469:Start = 10, End = 10000
20: 3097:999 separations of 10 trajectories
21: 4017:rect.910 is size 9 lines instead of 10. Omitted.
22: 4017:rect.990 is size 1 lines instead of 10. Omitted.
23: 1901:Prefix = pbp, 1000 files
24: 1469:Start = 10, End = 10000
25: 3097:999 separations of 10 trajectories
26: 3901:pbp.910 is size 0 lines instead of 20. Omitted.
27: 3909:pbp.990 is size 0 lines instead of 20. Omitted.
28: 826:p4b3.46 100 800
29: 3856:gauge 9980 4.043910702 0.0001407296148 7.445862586e-06 3.103309378e-07
30: 2463:hmc 9980 2.474271058 0.9917267315 0.5096241734
31: 4176:pbp 19960 0.00313 0.07360131198 0.0001268281012 2.670681435e-06 2.655676945e-07
32: 3485:0.0313 0.1554922557 9.494330323e-05 1.341852045e-06 1.489551494e-07
33: 3881:plaq 9980 0.5239989738 1.638757768e-05 9.66828738e-08 4.161536575e-09
34: 3859:rect 9980 0.2839004404 2.342061268e-05 1.653324655e-07 8.210855528e-09
35: 4096:wline 39920 0.004154563499 0.0002183810575 8.987713757e-05 2.193168526e-06

```

With Density and Wline_fix

```

36: 1608:Processing p4b3.46:
37: 0:
38: 1958:Prefix = dens, 200 files
39: 1444:Start = 10, End = 9960
40: 3093:199 separations of 50 trajectories
41: 2122:Prefix = wline, 1000 files
42: 1469:Start = 10, End = 10000
43: 3097:999 separations of 10 trajectories
44: 4181:wline.910 is size 36 lines instead of 40. Omitted.
45: 4136:wline.990 is size 4 lines instead of 40. Omitted.
46: 2009:Prefix = plaq, 1000 files

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47: 1469:Start = 10, End = 10000
48: 3097:999 separations of 10 trajectories
49: 4017:plaq.910 is size 9 lines instead of 10. Omitted.
50: 4017:plaq.990 is size 1 lines instead of 10. Omitted.
51: 1891:Prefix = hmc, 1000 files
52: 1469:Start = 10, End = 10000
53: 3097:999 separations of 10 trajectories
54: 3899:hmc.910 is size 9 lines instead of 10. Omitted.
55: 3899:hmc.990 is size 1 lines instead of 10. Omitted.
56: 2009:Prefix = rect, 1000 files
57: 1469:Start = 10, End = 10000
58: 3097:999 separations of 10 trajectories
59: 4017:rect.910 is size 9 lines instead of 10. Omitted.
60: 4017:rect.990 is size 1 lines instead of 10. Omitted.
61: 2500:Prefix = wline_new, 200 files
62: 1444:Start = 10, End = 9960
63: 3093:199 separations of 50 trajectories
64: 1901:Prefix = pbp, 1000 files
65: 1469:Start = 10, End = 10000
66: 3097:999 separations of 10 trajectories
67: 3901:pbp.910 is size 0 lines instead of 20. Omitted.
68: 3909:pbp.990 is size 0 lines instead of 20. Omitted.
69: 826:p4b3.46 100 800
70: 4528:dens 4000 0.00313 1 0.07344083216 0.0001539087077 0.0313 1 0.1554609438 8.877495669e-05
71: 3856:gauge 9980 4.043910702 0.0001407296148 7.445862586e-06 3.103309378e-07
72: 2463:hmc 9980 2.474271058 0.9917267315 0.5096241734
73: 4176:pbp 19960 0.00313 0.07360131198 0.0001268281012 2.670681435e-06 2.655676945e-07
74: 3485:0.0313 0.1554922557 9.494330323e-05 1.341852045e-06 1.489551494e-07
75: 3881:plaq 9980 0.5239989738 1.638757768e-05 9.66828738e-08 4.161536575e-09
76: 3859:rect 9980 0.2839004404 2.342061268e-05 1.653324655e-07 8.210855528e-09
77: 4096:wline 39920 0.004154563499 0.0002183810575 8.987713757e-05 2.193168526e-06
78: 4394:wline_new 800 0.003884462662 0.0003156143281 1.822852562e-05 1.675685674e-06

79: 1611:Processing p4b3.49:
80: 0:
81: 2122:Prefix = wline, 1000 files
82: 1469:Start = 10, End = 10000
83: 3097:999 separations of 10 trajectories
84: 2009:Prefix = plaq, 1000 files
85: 1469:Start = 10, End = 10000
86: 3097:999 separations of 10 trajectories
87: 4011:plaq.580 is size 0 lines instead of 10. Omitted.
88: 4047:plaq.1000 is size 0 lines instead of 10. Omitted.
89: 1891:Prefix = hmc, 1000 files
90: 1469:Start = 10, End = 10000
91: 3097:999 separations of 10 trajectories
92: 3888:hmc.350 is size 0 lines instead of 10. Omitted.
93: 2009:Prefix = rect, 1000 files
94: 1469:Start = 10, End = 10000
95: 3097:999 separations of 10 trajectories

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96: 4008:rect.910 is size 0 lines instead of 10. Omitted.
97: 4058:rect.1740 is size 0 lines instead of 10. Omitted.
98: 1901:Prefix = pbp, 1000 files
99: 1469:Start = 10, End = 10000
100: 3097:999 separations of 10 trajectories
101: 3952:pbp.1840 is size 0 lines instead of 20. Omitted.
102: 829:p4b3.49 100 800
103: 3895:gauge 9980 3.983068098 0.0001485921727 7.468393139e-06 3.667892711e-07
104: 2408:hmc 9990 1.892014008 1.043047299 0.5585728317
105: 4136:pbp 19980 0.0029 0.05357540509 0.0001781591375 4.065209434e-06 4.152960159e-07
106: 3356:0.029 0.1320209965 0.0001136682272 1.640251822e-06 1.711351472e-07
107: 3841:plaq 9980 0.5309396395 1.73504951e-05 9.611288832e-08 4.917332197e-09
108: 3890:rect 9980 0.2924644932 2.516097216e-05 1.712378036e-07 9.787056784e-09
109: 4065:wline 40000 0.007378322109 0.0002443372669 8.854134093e-05 1.988058326e-06

110: 1604:Processing p4b3.51:
111: 0:
112: 2134:Prefix = wline, 1129 files
113: 1481:Start = 10, End = 11290
114: 3130:1128 separations of 10 trajectories
115: 4175:wline.2380 is size 0 lines instead of 40. Omitted.
132: 4274:wline.11290 is size 12 lines instead of 40. Omitted.
133: 2021:Prefix = plaq, 1129 files
134: 1481:Start = 10, End = 11290
135: 3130:1128 separations of 10 trajectories
136: 3952:plaq.20 is size 0 lines instead of 10. Omitted.
137: 4059:plaq.4060 is size 3 lines instead of 10. Omitted.
152: 4110:plaq.11290 is size 3 lines instead of 10. Omitted.
153: 1903:Prefix = hmc, 1129 files
154: 1481:Start = 10, End = 11290
155: 3130:1128 separations of 10 trajectories
156: 3941:hmc.4060 is size 3 lines instead of 10. Omitted.
171: 3992:hmc.11290 is size 3 lines instead of 10. Omitted.
172: 2021:Prefix = rect, 1129 files
173: 1481:Start = 10, End = 11290
174: 3130:1128 separations of 10 trajectories
175: 4004:rect.600 is size 0 lines instead of 10. Omitted.
176: 4059:rect.4060 is size 3 lines instead of 10. Omitted.
191: 4110:rect.11290 is size 3 lines instead of 10. Omitted.
192: 1913:Prefix = pbp, 1129 files
193: 1481:Start = 10, End = 11290
194: 3130:1128 separations of 10 trajectories
195: 3952:pbp.2560 is size 0 lines instead of 20. Omitted.
211: 4000:pbp.11290 is size 0 lines instead of 20. Omitted.
212: 822:p4b3.51 100 800
213: 3907:gauge 11120 3.944422139 0.0001265633209 6.989627775e-06 3.216448349e-07
214: 2498:hmc 11130 1.632502528 0.9921340874 0.5773668519
215: 4021:pbp 22240 0.0259 0.1131222007 0.0001002015447 1.416613652e-06 1.380236364e-07
216: 3484:0.00259 0.04026793894 0.0001615301513 4.160878991e-06 3.57323245e-07
217: 3879:plaq 11120 0.5353518505 1.47726686e-05 9.128988079e-08 4.315266773e-09

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218: 3908:rect 11120 0.2979406435 2.139517514e-05 1.622885428e-07 8.435151329e-09
219: 3903:wline 44440 0.01159924168 0.000244337037 9.240032476e-05 2.37902338e-06

220: 1607:Processing p4b3.54:
221: 0:
222: 2132:Prefix = wline, 1145 files
223: 1479:Start = 10, End = 11450
224: 3128:1144 separations of 10 trajectories
225: 4120:wline.150 is size 0 lines instead of 40. Omitted.
240: 4229:wline.11450 is size 8 lines instead of 40. Omitted.
241: 2019:Prefix = plaq, 1145 files
242: 1479:Start = 10, End = 11450
243: 3128:1144 separations of 10 trajectories
244: 4008:plaq.190 is size 0 lines instead of 10. Omitted.
245: 4114:plaq.4060 is size 19 lines instead of 10. Omitted.
257: 4107:plaq.11450 is size 2 lines instead of 10. Omitted.
258: 1901:Prefix = hmc, 1145 files
259: 1479:Start = 10, End = 11450
260: 3128:1144 separations of 10 trajectories
261: 3885:hmc.500 is size 0 lines instead of 10. Omitted.
262: 3996:hmc.4060 is size 19 lines instead of 10. Omitted.
274: 3989:hmc.11450 is size 2 lines instead of 10. Omitted.
275: 2019:Prefix = rect, 1145 files
276: 1479:Start = 10, End = 11450
277: 3128:1144 separations of 10 trajectories
278: 3954:rect.40 is size 0 lines instead of 10. Omitted.
279: 4051:rect.1130 is size 0 lines instead of 10. Omitted.
293: 4107:rect.11450 is size 2 lines instead of 10. Omitted.
294: 1911:Prefix = pbp, 1145 files
295: 1479:Start = 10, End = 11450
296: 3128:1144 separations of 10 trajectories
297: 3894:pbp.300 is size 0 lines instead of 20. Omitted.
298: 3953:pbp.2570 is size 0 lines instead of 20. Omitted.
310: 3998:pbp.11450 is size 0 lines instead of 20. Omitted.
311: 825:p4b3.54 100 800
312: 921:gauge 0 0 0 0 0
313: 2434:hmc 11310 1.275139289 1.002281417 0.6159881074
314: 4070:pbp 22620 0.0024 0.02140024435 0.0001855196497 5.175321727e-06 4.45697637e-07
315: 3353:0.024 0.09318775671 0.000101364913 1.452300539e-06 1.415316131e-07
316: 3934:plaq 11310 0.5415330881 1.255788988e-05 8.185815559e-08 3.488483231e-09
317: 3914:rect 11290 0.3056468203 1.815838414e-05 1.484586264e-07 6.146306963e-09
318: 4051:wline 45160 0.02275667382 0.0002867056584 9.656065262e-05 1.789349855e-06

319: 1610:Processing p4b3.57:
320: 0:
321: 2135:Prefix = wline, 1247 files
322: 1482:Start = 10, End = 12470
323: 3131:1246 separations of 10 trajectories
324: 4116:wline.110 is size 0 lines instead of 40. Omitted.
346: 4278:wline.12470 is size 24 lines instead of 40. Omitted.

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347: 2022:Prefix = plaq, 1247 files
348: 1482:Start = 10, End = 12470
349: 3131:1246 separations of 10 trajectories
350: 4121:plaq.8190 is size 18 lines instead of 10. Omitted.
371: 4114:plaq.12470 is size 6 lines instead of 10. Omitted.
372: 1904:Prefix = hmc, 1247 files
373: 1482:Start = 10, End = 12470
374: 3131:1246 separations of 10 trajectories
375: 3935:hmc.1510 is size 0 lines instead of 10. Omitted.
398: 3996:hmc.12470 is size 6 lines instead of 10. Omitted.
399: 2022:Prefix = rect, 1247 files
400: 1482:Start = 10, End = 12470
401: 3131:1246 separations of 10 trajectories
402: 4121:rect.8190 is size 18 lines instead of 10. Omitted.
423: 4114:rect.12470 is size 6 lines instead of 10. Omitted.
424: 1914:Prefix = pbp, 1247 files
425: 1482:Start = 10, End = 12470
426: 3131:1246 separations of 10 trajectories
427: 3902:pbp.380 is size 0 lines instead of 20. Omitted.
450: 4001:pbp.12470 is size 0 lines instead of 20. Omitted.
451: 828:p4b3.57 100 800
452: 3977:gauge 12250 3.840099478 8.458864975e-05 5.912818267e-06 1.807226043e-07
453: 2461:hmc 12230 1.067572714 1.007795388 0.6433799909
454: 4226:pbp 24460 0.00212 0.01070152448 6.985602399e-05 1.096245954e-06 1.007677191e-07
455: 3488:0.0212 0.07410310192 7.23306808e-05 8.422376935e-07 8.997364254e-08
456: 3942:plaq 12250 0.5472699393 9.883416448e-06 7.700095658e-08 2.391090837e-09
457: 3932:rect 12250 0.3127988719 1.448135691e-05 1.382287159e-07 4.685536391e-09
458: 3899:wline 48960 0.03396106519 0.0003150822733 0.0001061762151 2.42354657e-06

459: 1604:Processing p4b3.60:
460: 0:
461: 2131:Prefix = wline, 1180 files
462: 1478:Start = 10, End = 11800
463: 3136:1179 separations of 10 trajectories
464: 4168:wline.1230 is size 0 lines instead of 40. Omitted.
465: 4277:wline.11800 is size 36 lines instead of 40. Omitted.
466: 2018:Prefix = plaq, 1180 files
467: 1478:Start = 10, End = 11800
468: 3136:1179 separations of 10 trajectories
469: 4056:plaq.1900 is size 0 lines instead of 10. Omitted.
470: 4113:plaq.11800 is size 9 lines instead of 10. Omitted.
471: 1900:Prefix = hmc, 1180 files
472: 1478:Start = 10, End = 11800
473: 3136:1179 separations of 10 trajectories
474: 3887:hmc.610 is size 0 lines instead of 10. Omitted.
475: 3933:hmc.1310 is size 0 lines instead of 10. Omitted.
476: 3995:hmc.11800 is size 9 lines instead of 10. Omitted.
477: 2018:Prefix = rect, 1180 files
478: 1478:Start = 10, End = 11800
479: 3136:1179 separations of 10 trajectories

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480: 4060:rect.3290 is size 0 lines instead of 10. Omitted.
481: 4113:rect.11800 is size 9 lines instead of 10. Omitted.
482: 1910:Prefix = pbp, 1180 files
483: 1478:Start = 10, End = 11800
484: 3136:1179 separations of 10 trajectories
485: 3997:pbp.11800 is size 0 lines instead of 20. Omitted.
486: 822:p4b3.60 100 800
487: 3943:gauge 11780 3.794111144 8.552805228e-05 5.717457843e-06 1.591610111e-07
488: 2509:hmc 11770 0.9568656915 1.001493225 0.6583309576
489: 4213:pbp 23580 0.0192 0.06137776756 4.970656683e-05 4.630460699e-07 3.574084109e-08
490: 3594:0.00192 0.00713318898 2.672508049e-05 1.934561004e-07 1.688571635e-08
491: 3950:plaq 11780 0.5525209134 9.969819025e-06 7.228757999e-08 2.116748923e-09
492: 3900:rect 11780 0.3193202784 1.444748312e-05 1.321954378e-07 4.074402472e-09
493: 3981:wline 47120 0.04294768499 0.0003068666624 0.0001042596896 2.203517454e-06

494: 1607:Processing p4b3.63:
495: 0:
496: 2131:Prefix = wline, 1207 files
497: 1478:Start = 10, End = 12070
498: 3127:1206 separations of 10 trajectories
499: 4171:wline.3420 is size 0 lines instead of 40. Omitted.
500: 4176:wline.5450 is size 0 lines instead of 40. Omitted.
501: 4175:wline.5530 is size 0 lines instead of 40. Omitted.
502: 2018:Prefix = plaq, 1207 files
503: 1478:Start = 10, End = 12070
504: 3127:1206 separations of 10 trajectories
505: 4054:plaq.4220 is size 0 lines instead of 10. Omitted.
506: 4062:plaq.5380 is size 0 lines instead of 10. Omitted.
507: 4064:plaq.5760 is size 0 lines instead of 10. Omitted.
508: 1900:Prefix = hmc, 1207 files
509: 1478:Start = 10, End = 12070
510: 3127:1206 separations of 10 trajectories
511: 3946:hmc.2880 is size 0 lines instead of 10. Omitted.
512: 3937:hmc.5040 is size 0 lines instead of 10. Omitted.
513: 2018:Prefix = rect, 1207 files
514: 1478:Start = 10, End = 12070
515: 3127:1206 separations of 10 trajectories
516: 4009:rect.380 is size 0 lines instead of 10. Omitted.
517: 4060:rect.3740 is size 0 lines instead of 10. Omitted.
518: 4066:rect.4970 is size 0 lines instead of 10. Omitted.
519: 1910:Prefix = pbp, 1207 files
520: 1478:Start = 10, End = 12070
521: 3127:1206 separations of 10 trajectories
522: 3945:pbp.1410 is size 0 lines instead of 20. Omitted.
523: 4001:pbp.12070 is size 4 lines instead of 20. Omitted.
524: 825:p4b3.63 100 800
525: 3946:gauge 12040 3.750216606 7.655437619e-05 6.041995355e-06 1.740258421e-07
526: 2494:hmc 12050 0.8998542062 1.029729571 0.6749020242
527: 4210:pbp 24100 0.0017 0.005375934548 1.603102304e-05 6.519306213e-08 8.703842468e-09
528: 3469:0.017 0.05037930051 4.703368062e-05 3.633287341e-07 3.110893705e-08

529: 3923:plaq 12040 0.5575336492 8.944556531e-06 7.078065329e-08 2.009822925e-09
 530: 3888:rect 12040 0.3255530974 1.352274043e-05 1.332293129e-07 4.557137272e-09
 531: 3949:wline 48160 0.05193253334 0.0003263849033 0.0001120205185 2.577193386e-06

532: 1610:Processing p4b3.66:

533: 0:

534: 2125:Prefix = wline, 1120 files

535: 1472:Start = 10, End = 11200

536: 3130:1119 separations of 10 trajectories

537: 4179:wline.3680 is size 0 lines instead of 40. Omitted.

594: 4265:wline.11200 is size 12 lines instead of 40. Omitted.

595: 2012:Prefix = plaq, 1120 files

596: 1472:Start = 10, End = 11200

597: 3130:1119 separations of 10 trajectories

598: 4010:plaq.390 is size 0 lines instead of 10. Omitted.

644: 4119:plaq.8190 is size 16 lines instead of 10. Omitted.

656: 4100:plaq.11200 is size 2 lines instead of 10. Omitted.

657: 1894:Prefix = hmc, 1120 files

658: 1472:Start = 10, End = 11200

Omitted.

Omitted.

Omitted.

Omitted.

Omitted.

659: 3130:1119 separations of 10 trajectories

660: 3933:hmc.2300 is size 0 lines instead of 10. Omitted.

719: 3982:hmc.11200 is size 2 lines instead of 10. Omitted.

720: 2012:Prefix = rect, 1120 files

721: 1472:Start = 10, End = 11200

722: 3130:1119 separations of 10 trajectories

723: 4008:rect.910 is size 0 lines instead of 10. Omitted.

780: 4101:rect.11200 is size 3 lines instead of 10. Omitted.

781: 1904:Prefix = pbp, 1120 files

782: 1472:Start = 10, End = 11200

783: 3130:1119 separations of 10 trajectories

784: 3949:pbp.1180 is size 0 lines instead of 20. Omitted.

841: 3991:pbp.11200 is size 0 lines instead of 20. Omitted.

842: 828:p4b3.66 100 800

843: 921:gauge 0 0 0 0 0

844: 2430:hmc 10600 0.853434396 1.004631727 0.6705035078

845: 4196:pbp 21240 0.0017 0.004925713059 9.33034493e-06 2.363477791e-08 2.478176698e-09

846: 3501:0.017 0.04736921723 3.641661057e-05 1.985892144e-07 1.695073079e-08

847: 3922:plaq 10610 0.5622823351 9.438405282e-06 6.757250924e-08 2.426399838e-09

848: 3825:rect 10620 0.3314581237 1.4778815e-05 1.304866987e-07 5.093744993e-09

849: 3955:wline 42480 0.05936101419 0.0003185514832 0.0001054768351 2.673157831e-06

850: 1613:Processing p4b3.69:

851: 0:

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852: 2136:Prefix = wline, 1077 files
853: 1483:Start = 10, End = 10770
854: 3132:1076 separations of 10 trajectories
855: 4168:wline.3120 is size 0 lines instead of 40. Omitted.
859: 4283:wline.10770 is size 28 lines instead of 40. Omitted.
860: 2023:Prefix = plaq, 1077 files
861: 1483:Start = 10, End = 10770
862: 3132:1076 separations of 10 trajectories
863: 4052:plaq.1230 is size 0 lines instead of 10. Omitted.
864: 4062:plaq.5650 is size 0 lines instead of 10. Omitted.
865: 4116:plaq.10770 is size 7 lines instead of 10. Omitted.
866: 1905:Prefix = hmc, 1077 files
867: 1483:Start = 10, End = 10770
868: 3132:1076 separations of 10 trajectories
869: 3885:hmc.230 is size 0 lines instead of 10. Omitted.
870: 3947:hmc.5770 is size 0 lines instead of 10. Omitted.
871: 3998:hmc.10770 is size 7 lines instead of 10. Omitted.
872: 2023:Prefix = rect, 1077 files
873: 1483:Start = 10, End = 10770
874: 3132:1076 separations of 10 trajectories
875: 4058:rect.4350 is size 0 lines instead of 10. Omitted.
876: 4061:rect.5640 is size 0 lines instead of 10. Omitted.
877: 4116:rect.10770 is size 7 lines instead of 10. Omitted.
878: 1915:Prefix = pbp, 1077 files
879: 1483:Start = 10, End = 10770
880: 3132:1076 separations of 10 trajectories
881: 3849:pbp.60 is size 0 lines instead of 20. Omitted.
882: 3959:pbp.6770 is size 0 lines instead of 20. Omitted.
883: 4002:pbp.10770 is size 0 lines instead of 20. Omitted.
884: 831:p4b3.69 100 800
885: 3934:gauge 10740 3.668111156 6.423900738e-05 5.218463327e-06 1.573116152e-07
886: 2501:hmc 10740 0.8081447778 1.012238407 0.6778805561
887: 4154:pbp 21480 0.015 0.03971194024 2.337582747e-05 9.763567277e-08 8.169080059e-09
888: 3568:0.0015 0.004043361678 5.203424695e-06 7.320650127e-09 1.540372571e-09
889: 3946:plaq 10740 0.5669147554 7.519623035e-06 6.267296906e-08 1.768856178e-09
890: 3808:rect 10740 0.33725871 1.144337845e-05 1.180161692e-07 3.575369446e-09
891: 3966:wline 42880 0.06740986235 0.0003605842085 0.0001106931414 2.838408654e-06

892: 1611:Processing p4b3.76:
893: 0:
894: 2133:Prefix = wline, 1092 files
895: 1480:Start = 10, End = 10920
896: 3129:1091 separations of 10 trajectories
897: 4175:wline.4180 is size 0 lines instead of 40. Omitted.
898: 2020:Prefix = plaq, 1092 files
899: 1480:Start = 10, End = 10920
900: 3129:1091 separations of 10 trajectories
901: 4051:plaq.1310 is size 0 lines instead of 10. Omitted.
902: 4056:plaq.2080 is size 0 lines instead of 10. Omitted.
903: 4062:plaq.3760 is size 0 lines instead of 10. Omitted.

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904: 1902:Prefix = hmc, 1092 files
905: 1480:Start = 10, End = 10920
906: 3129:1091 separations of 10 trajectories
907: 3889:hmc.630 is size 0 lines instead of 10. Omitted.
908: 3936:hmc.2510 is size 0 lines instead of 10. Omitted.
909: 3944:hmc.2860 is size 0 lines instead of 10. Omitted.
910: 3942:hmc.3740 is size 0 lines instead of 10. Omitted.
911: 2020:Prefix = rect, 1092 files
912: 1480:Start = 10, End = 10920
913: 3129:1091 separations of 10 trajectories
914: 4052:rect.3120 is size 0 lines instead of 10. Omitted.
915: 1912:Prefix = pbp, 1092 files
916: 1480:Start = 10, End = 10920
917: 3129:1091 separations of 10 trajectories
918: 3903:pbp.570 is size 0 lines instead of 20. Omitted.
919: 3954:pbp.2670 is size 0 lines instead of 20. Omitted.
920: 4054:pbp.10920 is size 16 lines instead of 20. Omitted.
921: 829:p4b3.76 100 800
922: 921:gauge 0 0 0 0 0
923: 2474:hmc 10880 0.7565886241 1.01934765 0.6952459797
924: 4183:pbp 21780 0.0139 0.03357740411 1.218833336e-05 2.918936173e-08 2.375185443e-09
925: 3636:0.00139 0.003381508546 2.175680563e-06 1.190808441e-09 2.423496388e-10
926: 3916:plaq 10890 0.5771124621 6.728226517e-06 6.039535005e-08 1.566581827e-09
927: 3871:rect 10910 0.3500815204 1.022502411e-05 1.188676173e-07 3.258203419e-09
928: 3960:wline 43640 0.08480307036 0.0003741177632 0.0001179992067 3.124347364e-06

929: 1659:Processing p4c3.525:
930: 0:
931: 2089:Prefix = wline, 538 files
932: 1436:Start = 10, End = 5380
933: 3085:537 separations of 10 trajectories
934: 4232:wline.5380 is size 24 lines instead of 40. Omitted.
935: 1976:Prefix = plaq, 538 files
936: 1436:Start = 10, End = 5380
937: 3085:537 separations of 10 trajectories
938: 4068:plaq.5380 is size 6 lines instead of 10. Omitted.
939: 1858:Prefix = hmc, 538 files
940: 1436:Start = 10, End = 5380
941: 3085:537 separations of 10 trajectories
942: 3950:hmc.5380 is size 6 lines instead of 10. Omitted.
943: 1976:Prefix = rect, 538 files
944: 1436:Start = 10, End = 5380
945: 3085:537 separations of 10 trajectories
946: 4068:rect.5380 is size 6 lines instead of 10. Omitted.
947: 1868:Prefix = pbp, 538 files
948: 1436:Start = 10, End = 5380
949: 3085:537 separations of 10 trajectories
950: 3955:pbp.5380 is size 0 lines instead of 20. Omitted.
951: 877:p4c3.525 100 800
952: 3837:gauge 5370 3.916899862 0.0001658442485 6.185267544e-06 2.47742859e-07

953: 2346:hmc 5370 1.450229521 1.023669642 0.595339827
954: 4096:pbp 10740 0.0024 0.03096342013 0.0002347141175 3.836506157e-06 4.721017908e-07
955: 3311:0.024 0.1007464077 0.000130143245 1.097666383e-06 1.609316345e-07
956: 3882:plaq 5370 0.5384945483 1.939402168e-05 8.066033658e-08 3.357538541e-09
957: 3852:rect 5370 0.3018453446 2.830311702e-05 1.447348381e-07 7.179506904e-09
958: 4008:wline 21480 0.01540640757 0.0004325520212 9.920854273e-05 3.118469476e-06

959: 1655:Processing p4c3.530:
960: 0:
961: 2084:Prefix = wline, 506 files
962: 1431:Start = 10, End = 5060
963: 3080:505 separations of 10 trajectories
964: 4227:wline.5060 is size 24 lines instead of 40. Omitted.
965: 1971:Prefix = plaq, 506 files
966: 1431:Start = 10, End = 5060
967: 3080:505 separations of 10 trajectories
968: 4063:plaq.5060 is size 6 lines instead of 10. Omitted.
969: 1853:Prefix = hmc, 506 files
970: 1431:Start = 10, End = 5060
971: 3080:505 separations of 10 trajectories
972: 3945:hmc.5060 is size 6 lines instead of 10. Omitted.
973: 1971:Prefix = rect, 506 files
974: 1431:Start = 10, End = 5060
975: 3080:505 separations of 10 trajectories
976: 4063:rect.5060 is size 6 lines instead of 10. Omitted.
977: 1863:Prefix = pbp, 506 files
978: 1431:Start = 10, End = 5060
979: 3080:505 separations of 10 trajectories
980: 3950:pbp.5060 is size 0 lines instead of 20. Omitted.
981: 873:p4c3.530 100 800
982: 3864:gauge 5050 3.908061844 0.0001628684397 6.725292384e-06 3.429153079e-07
983: 2407:hmc 5050 1.379706993 1.007150188 0.5971491549
984: 4125:pbp 10100 0.0024 0.02748676442 0.0003492330086 6.766451505e-06 9.193447675e-07
985: 3341:0.024 0.098117924 0.0001817923982 1.780969014e-06 2.620461793e-07
986: 3882:plaq 5050 0.5395058132 1.895824927e-05 8.752393917e-08 4.523814931e-09
987: 3847:rect 5050 0.3031199765 2.711210102e-05 1.539558396e-07 8.264324543e-09
988: 3952:wline 20200 0.0184124796 0.0005011561504 9.881186967e-05 4.292700144e-06

989: 1660:Processing p4c3.535:
990: 0:
991: 2081:Prefix = wline, 512 files
992: 1428:Start = 10, End = 5120
993: 3077:511 separations of 10 trajectories
994: 4224:wline.5120 is size 24 lines instead of 40. Omitted.
995: 1968:Prefix = plaq, 512 files
996: 1428:Start = 10, End = 5120
997: 3077:511 separations of 10 trajectories
998: 4060:plaq.5120 is size 6 lines instead of 10. Omitted.
999: 1850:Prefix = hmc, 512 files
1000: 1428:Start = 10, End = 5120

1001: 3077:511 separations of 10 trajectories
1002: 3942:hmc.5120 is size 6 lines instead of 10. Omitted.
1003: 1968:Prefix = rect, 512 files
1004: 1428:Start = 10, End = 5120
1005: 3077:511 separations of 10 trajectories
1006: 4060:rect.5120 is size 6 lines instead of 10. Omitted.
1007: 1860:Prefix = pbp, 512 files
1008: 1428:Start = 10, End = 5120
1009: 3077:511 separations of 10 trajectories
1010: 3947:pbp.5120 is size 0 lines instead of 20. Omitted.
1011: 878:p4c3.535 100 800
1012: 3744:gauge 5110 3.899125045 0.000185015255 6.54558383e-06 4.286218434e-07
1013: 2438:hmc 5110 1.304618641 0.9979070206 0.6108084654
1014: 4088:pbp 10220 0.0024 0.02452397925 0.000295421098 5.268428082e-06 7.875567297e-07
1015: 3442:0.024 0.09570789443 0.0001597600056 1.429115285e-06 2.968711482e-07
1016: 3868:plaq 5110 0.5405253627 2.152709517e-05 8.559633872e-08 5.807636334e-09
1017: 3856:rect 5110 0.3043786722 3.051046769e-05 1.551488934e-07 1.173953423e-08
1018: 3943:wline 20440 0.01967421707 0.0004484587203 0.0001016544271 3.905130935e-06

1019: 1656:Processing p4c3.540:
1020: 0:
1021: 2093:Prefix = wline, 578 files
1022: 1440:Start = 10, End = 5780
1023: 3089:577 separations of 10 trajectories
1024: 4235:wline.5780 is size 32 lines instead of 40. Omitted.
1025: 1980:Prefix = plaq, 578 files
1026: 1440:Start = 10, End = 5780
1027: 3089:577 separations of 10 trajectories
1028: 4074:plaq.5780 is size 8 lines instead of 10. Omitted.
1029: 1862:Prefix = hmc, 578 files
1030: 1440:Start = 10, End = 5780
1031: 3089:577 separations of 10 trajectories
1032: 3956:hmc.5780 is size 8 lines instead of 10. Omitted.
1033: 1980:Prefix = rect, 578 files
1034: 1440:Start = 10, End = 5780
1035: 3089:577 separations of 10 trajectories
1036: 4074:rect.5780 is size 8 lines instead of 10. Omitted.
1037: 1872:Prefix = pbp, 578 files
1038: 1440:Start = 10, End = 5780
1039: 3089:577 separations of 10 trajectories
1040: 3959:pbp.5780 is size 0 lines instead of 20. Omitted.
1041: 874:p4c3.540 100 800
1042: 3889:gauge 5770 3.890439865 0.0001587886448 6.165445259e-06 3.459322753e-07
1043: 2433:hmc 5770 1.300841651 0.9867702415 0.6114034407
1044: 4117:pbp 11540 0.0024 0.02210441198 0.0001963757595 3.560833442e-06 3.415389434e-07
1045: 3426:0.024 0.09346697787 0.0001161153411 1.081113357e-06 1.091672199e-07
1046: 3876:plaq 5770 0.5415185215 1.853957867e-05 8.050617211e-08 4.668439305e-09
1047: 3893:rect 5770 0.3056250806 2.693172848e-05 1.455449852e-07 9.471916969e-09
1048: 3914:wline 23080 0.02209195439 0.0004429568426 0.0001018825758 3.19810535e-06

1049: 1661:Processing p4c3.545:
1050: 0:
1051: 2092:Prefix = wline, 577 files
1052: 1439:Start = 10, End = 5770
1053: 3088:576 separations of 10 trajectories
1054: 4231:wline.5710 is size 44 lines instead of 40. Omitted.
1055: 1979:Prefix = plaq, 577 files
1056: 1439:Start = 10, End = 5770
1057: 3088:576 separations of 10 trajectories
1058: 4109:plaq.5710 is size 11 lines instead of 10. Omitted.
1059: 4074:plaq.5770 is size 9 lines instead of 10. Omitted.
1060: 1861:Prefix = hmc, 577 files
1061: 1439:Start = 10, End = 5770
1062: 3088:576 separations of 10 trajectories
1063: 3991:hmc.5710 is size 11 lines instead of 10. Omitted.
1064: 3956:hmc.5770 is size 9 lines instead of 10. Omitted.
1065: 1979:Prefix = rect, 577 files
1066: 1439:Start = 10, End = 5770
1067: 3088:576 separations of 10 trajectories
1068: 4109:rect.5710 is size 11 lines instead of 10. Omitted.
1069: 4074:rect.5770 is size 9 lines instead of 10. Omitted.
1070: 1871:Prefix = pbp, 577 files
1071: 1439:Start = 10, End = 5770
1072: 3088:576 separations of 10 trajectories
1073: 4012:pbp.5690 is size 32 lines instead of 20. Omitted.
1078: 3958:pbp.5770 is size 0 lines instead of 20. Omitted.
1079: 879:p4c3.545 100 800
1080: 3852:gauge 5750 3.881225742 0.0001412872965 5.931276656e-06 3.116744105e-07
1081: 2414:hmc 5750 1.207389254 1.012884823 0.6269926984
1082: 4113:pbp 11420 0.0024 0.01834599037 0.0002029710323 3.530135943e-06 3.788207597e-07
1083: 3361:0.024 0.09055944154 0.0001333330486 1.20148238e-06 1.307381628e-07
1084: 3830:plaq 5750 0.5425726854 1.658606916e-05 7.76376604e-08 4.203846424e-09
1085: 3874:rect 5750 0.3069525964 2.505017019e-05 1.432956937e-07 8.568433155e-09
1086: 3951:wline 23040 0.02529016783 0.0004530698462 0.0001021348427 3.691502496e-06

1087: 1657:Processing p4c3.550:
1088: 0:
1089: 2093:Prefix = wline, 587 files
1090: 1440:Start = 10, End = 5870
1091: 3089:586 separations of 10 trajectories
1092: 4182:wline.5870 is size 0 lines instead of 40. Omitted.
1093: 1979:Prefix = plaq, 586 files
1094: 1439:Start = 10, End = 5860
1095: 3088:585 separations of 10 trajectories
1096: 1861:Prefix = hmc, 586 files
1097: 1439:Start = 10, End = 5860
1098: 3088:585 separations of 10 trajectories
1099: 1980:Prefix = rect, 587 files
1100: 1440:Start = 10, End = 5870
1101: 3089:586 separations of 10 trajectories

1102: 4066:rect.5870 is size 0 lines instead of 10. Omitted.
1103: 1871:Prefix = pbp, 586 files
1104: 1439:Start = 10, End = 5860
1105: 3088:585 separations of 10 trajectories
1106: 875:p4c3.550 100 800
1107: 3705:gauge 5860 3.873681959 0.0001370516102 5.763375e-06 2.252681845e-07
1108: 2392:hmc 5860 1.216336147 1.001462389 0.6234284693
1109: 4080:pbp 11720 0.0024 0.01803523667 0.000222099855 3.773506854e-06 5.185049694e-07
1110: 3436:0.024 0.08970625407 0.0001337650812 1.176553967e-06 1.854515912e-07
1111: 3877:plaq 5860 0.5434319713 1.609854543e-05 7.544688023e-08 3.017574692e-09
1112: 3756:rect 5860 0.308001672 2.426174069e-05 1.39894123e-07 6.255252386e-09
1113: 4013:wline 23440 0.02530620093 0.0004104949668 9.818249468e-05 3.241223517e-06

1114: 1664:Processing p4h3.525:
1115: 0:
1116: 2088:Prefix = wline, 492 files
1117: 1435:Start = 10, End = 4920
1118: 3084:491 separations of 10 trajectories
1119: 4221:wline.1130 is size 60 lines instead of 40. Omitted.
1120: 4232:wline.4920 is size 16 lines instead of 40. Omitted.
1121: 1975:Prefix = plaq, 492 files
1122: 1435:Start = 10, End = 4920
1123: 3084:491 separations of 10 trajectories
1124: 4105:plaq.1130 is size 15 lines instead of 10. Omitted.
1125: 4065:plaq.4920 is size 4 lines instead of 10. Omitted.
1126: 1857:Prefix = hmc, 492 files
1127: 1435:Start = 10, End = 4920
1128: 3084:491 separations of 10 trajectories
1129: 3987:hmc.1130 is size 15 lines instead of 10. Omitted.
1130: 3947:hmc.4920 is size 4 lines instead of 10. Omitted.
1131: 1975:Prefix = rect, 492 files
1132: 1435:Start = 10, End = 4920
1133: 3084:491 separations of 10 trajectories
1134: 4105:rect.1130 is size 15 lines instead of 10. Omitted.
1135: 4065:rect.4920 is size 4 lines instead of 10. Omitted.
1136: 1867:Prefix = pbp, 492 files
1137: 1435:Start = 10, End = 4920
1138: 3084:491 separations of 10 trajectories
1139: 3996:pbp.1130 is size 40 lines instead of 20. Omitted.
1140: 3954:pbp.4920 is size 0 lines instead of 20. Omitted.
1141: 882:p4h3.525 100 800
1142: 3865:gauge 4900 3.916883219 0.0001904170085 7.089591359e-06 3.256358391e-07
1143: 2475:hmc 4900 1.429207509 0.9818396427 0.5885909808
1144: 4043:pbp 9800 0.0024 0.03054372009 0.0002425225376 4.124134711e-06 4.532702647e-07
1145: 3360:0.024 0.1004279606 0.0001470731084 1.362092644e-06 1.282682623e-07
1146: 3884:plaq 4900 0.5384978056 2.219328088e-05 9.293066188e-08 4.360766205e-09
1147: 3880:rect 4900 0.3018612748 3.186186658e-05 1.690080469e-07 8.772681633e-09
1148: 3973:wline 19600 0.01562257163 0.000432065963 9.724093859e-05 3.338671165e-06

1149: 1660:Processing p4h3.530:

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1150: 0:
1151: 2086:Prefix = wline, 472 files
1152: 1433:Start = 10, End = 4720
1153: 3082:471 separations of 10 trajectories
1154: 1973:Prefix = plaq, 472 files
1155: 1433:Start = 10, End = 4720
1156: 3082:471 separations of 10 trajectories
1157: 1855:Prefix = hmc, 472 files
1158: 1433:Start = 10, End = 4720
1159: 3082:471 separations of 10 trajectories
1160: 1973:Prefix = rect, 472 files
1161: 1433:Start = 10, End = 4720
1162: 3082:471 separations of 10 trajectories
1163: 1865:Prefix = pbp, 472 files
1164: 1433:Start = 10, End = 4720
1165: 3082:471 separations of 10 trajectories
1166: 4001:pbp.4720 is size 10 lines instead of 20. Omitted.
1167: 878:p4h3.530 100 800
1168: 3744:gauge 4720 3.907464004 0.000188189474 7.024817043e-06 4.09813337e-07
1169: 2295:hmc 4720 1.412863142 0.99467725 0.603540678
1170: 3944:pbp 9420 0.0024 0.0268197636 0.0003030138679 5.175938688e-06 8.1757091e-07
1171: 3439:0.024 0.09755326983 0.0001663271386 1.431070554e-06 2.143958916e-07
1172: 3866:plaq 4720 0.5395753777 2.203019432e-05 9.179403122e-08 5.496086371e-09
1173: 3839:rect 4720 0.3032177816 3.245011365e-05 1.643838361e-07 1.096473113e-08
1174: 3948:wline 18880 0.01782099139 0.0004781434919 9.856928282e-05 3.4795012e-06

1175: 1665:Processing p4h3.535:
1176: 0:
1177: 2091:Prefix = wline, 486 files
1178: 1438:Start = 10, End = 4860
1179: 3087:485 separations of 10 trajectories
1180: 4224:wline.1000 is size 76 lines instead of 40. Omitted.
1181: 4180:wline.4860 is size 0 lines instead of 40. Omitted.
1182: 1978:Prefix = plaq, 486 files
1183: 1438:Start = 10, End = 4860
1184: 3087:485 separations of 10 trajectories
1185: 4105:plaq.1000 is size 19 lines instead of 10. Omitted.
1186: 4064:plaq.4860 is size 0 lines instead of 10. Omitted.
1187: 1860:Prefix = hmc, 486 files
1188: 1438:Start = 10, End = 4860
1189: 3087:485 separations of 10 trajectories
1190: 3987:hmc.1000 is size 19 lines instead of 10. Omitted.
1191: 3946:hmc.4860 is size 0 lines instead of 10. Omitted.
1192: 1978:Prefix = rect, 486 files
1193: 1438:Start = 10, End = 4860
1194: 3087:485 separations of 10 trajectories
1195: 4105:rect.1000 is size 19 lines instead of 10. Omitted.
1196: 4064:rect.4860 is size 0 lines instead of 10. Omitted.
1197: 1870:Prefix = pbp, 486 files
1198: 1438:Start = 10, End = 4860

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1199: 3087:485 separations of 10 trajectories
1200: 3992:pbp.1000 is size 40 lines instead of 20. Omitted.
1201: 3957:pbp.4860 is size 0 lines instead of 20. Omitted.
1202: 883:p4h3.535 100 800
1203: 3856:gauge 4840 3.898597005 0.0001730496231 6.144588066e-06 3.222773154e-07
1204: 2377:hmc 4840 1.330460272 1.053992043 0.6104753832
1205: 3968:pbp 9680 0.0024 0.02411503032 0.0002929531614 4.8375223e-06 7.819267278e-07
1206: 3417:0.024 0.09533827084 0.0001632542144 1.385554601e-06 1.828120546e-07
1207: 3884:plaq 4840 0.5405879808 2.027274217e-05 8.007131598e-08 4.339862957e-09
1208: 3870:rect 4840 0.3044768129 3.000799216e-05 1.435442322e-07 8.927377955e-09
1209: 4009:wline 19360 0.02023634711 0.0005017737871 9.232160385e-05 4.084248529e-06

1210: 1661:Processing p4h3.540:
1211: 0:
1212: 2093:Prefix = wline, 569 files
1213: 1440:Start = 10, End = 5690
1214: 3089:568 separations of 10 trajectories
1215: 4224:wline.1050 is size 80 lines instead of 40. Omitted.
1216: 4233:wline.5690 is size 12 lines instead of 40. Omitted.
1217: 1980:Prefix = plaq, 569 files
1218: 1440:Start = 10, End = 5690
1219: 3089:568 separations of 10 trajectories
1220: 4102:plaq.1050 is size 20 lines instead of 10. Omitted.
1221: 4069:plaq.5690 is size 3 lines instead of 10. Omitted.
1222: 1862:Prefix = hmc, 569 files
1223: 1440:Start = 10, End = 5690
1224: 3089:568 separations of 10 trajectories
1225: 3984:hmc.1050 is size 20 lines instead of 10. Omitted.
1226: 3951:hmc.5690 is size 3 lines instead of 10. Omitted.
1227: 1980:Prefix = rect, 569 files
1228: 1440:Start = 10, End = 5690
1229: 3089:568 separations of 10 trajectories
1230: 4102:rect.1050 is size 20 lines instead of 10. Omitted.
1231: 4069:rect.5690 is size 3 lines instead of 10. Omitted.
1232: 1872:Prefix = pbp, 569 files
1233: 1440:Start = 10, End = 5690
1234: 3089:568 separations of 10 trajectories
1235: 3997:pbp.1050 is size 40 lines instead of 20. Omitted.
1236: 3959:pbp.5690 is size 0 lines instead of 20. Omitted.
1237: 879:p4h3.540 100 800
1238: 3796:gauge 5670 3.890399101 0.0001495266055 6.134150642e-06 2.89118472e-07
1239: 2334:hmc 5670 1.2685741 0.9888320415 0.6143401005
1240: 4121:pbp 11340 0.0024 0.02168376582 0.0002309562007 3.887394368e-06 5.026525722e-07
1241: 3425:0.024 0.09330572107 0.0001283198387 1.143871671e-06 1.617263048e-07
1242: 3890:plaq 5670 0.5415232413 1.745906796e-05 8.018879762e-08 3.852980672e-09
1243: 3860:rect 5670 0.3056315145 2.542269629e-05 1.452901298e-07 7.951114192e-09
1244: 4001:wline 22680 0.0225275637 0.0004268277175 9.489944741e-05 3.593519865e-06

1245: 1666:Processing p4h3.545:
1246: 0:

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1247: 2088:Prefix = wline, 519 files
1248: 1435:Start = 10, End = 5190
1249: 3084:518 separations of 10 trajectories
1250: 4185:wline.5190 is size 8 lines instead of 40. Omitted.
1251: 1975:Prefix = plaq, 519 files
1252: 1435:Start = 10, End = 5190
1253: 3084:518 separations of 10 trajectories
1254: 4062:plaq.5190 is size 1 lines instead of 10. Omitted.
1255: 1857:Prefix = hmc, 519 files
1256: 1435:Start = 10, End = 5190
1257: 3084:518 separations of 10 trajectories
1258: 3944:hmc.5190 is size 1 lines instead of 10. Omitted.
1259: 1975:Prefix = rect, 519 files
1260: 1435:Start = 10, End = 5190
1261: 3084:518 separations of 10 trajectories
1262: 4062:rect.5190 is size 1 lines instead of 10. Omitted.
1263: 1867:Prefix = pbp, 519 files
1264: 1435:Start = 10, End = 5190
1265: 3084:518 separations of 10 trajectories
1266: 3954:pbp.5190 is size 0 lines instead of 20. Omitted.
1267: 884:p4h3.545 100 800
1268: 3825:gauge 5180 3.881195796 0.0001433094113 5.99762415e-06 2.796582947e-07
1269: 2379:hmc 5180 1.262352517 1.031652849 0.6261209305
1270: 4138:pbp 10360 0.0024 0.01914289319 0.0001857057587 2.829523665e-06 4.015488717e-07
1271: 3411:0.024 0.0909405139 0.0001175808803 8.838669895e-07 1.443082879e-07
1272: 3895:plaq 5180 0.5425766155 1.671486891e-05 7.763256595e-08 3.735546356e-09
1273: 3816:rect 5180 0.3069619508 2.432287011e-05 1.33770495e-07 7.535254895e-09
1274: 3902:wline 20720 0.02395470078 0.0005081417244 0.0001038766885 3.83301463e-06

1275: 1662:Processing p4h3.550:
1276: 0:
1277: 2087:Prefix = wline, 608 files
1278: 1434:Start = 10, End = 6080
1279: 3083:607 separations of 10 trajectories
1280: 4234:wline.6080 is size 28 lines instead of 40. Omitted.
1281: 1974:Prefix = plaq, 608 files
1282: 1434:Start = 10, End = 6080
1283: 3083:607 separations of 10 trajectories
1284: 4067:plaq.6080 is size 7 lines instead of 10. Omitted.
1285: 1856:Prefix = hmc, 608 files
1286: 1434:Start = 10, End = 6080
1287: 3083:607 separations of 10 trajectories
1288: 3949:hmc.6080 is size 7 lines instead of 10. Omitted.
1289: 1974:Prefix = rect, 608 files
1290: 1434:Start = 10, End = 6080
1291: 3083:607 separations of 10 trajectories
1292: 4067:rect.6080 is size 7 lines instead of 10. Omitted.
1293: 1866:Prefix = pbp, 608 files
1294: 1434:Start = 10, End = 6080
1295: 3083:607 separations of 10 trajectories

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1296: 3953:pbp.6080 is size 0 lines instead of 20. Omitted.
1297: 880:p4h3.550 100 800
1298: 3859:gauge 6070 3.873445156 0.0001282106048 5.645961188e-06 2.489333737e-07
1299: 2409:hmc 6070 1.182076779 1.031092989 0.6260748834
1300: 4155:pbp 12140 0.0024 0.01691718979 0.0002096071694 3.639319769e-06 3.953709891e-07
1301: 3337:0.024 0.089027174 0.0001248693167 1.150894335e-06 1.415667369e-07
1302: 3781:plaq 6070 0.5434598961 1.498365076e-05 7.3438868e-08 3.260347304e-09
1303: 3810:rect 6070 0.3080441165 2.19390896e-05 1.310589807e-07 5.630828542e-09
1304: 3974:wline 24280 0.02671467727 0.0005018666155 0.0001057723529 3.830209889e-06