

CG model with $d = 100$ and $n = m = 5 \cdot 10^4$

| μ -deformation | | | | Σ_{ii} -deformation | | |
|----------------------------------|---|--|--------------|--|--|------------|
| Statistic | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}$ | t (s) | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}$ | t (s) |
| t_{SW} | $0.03802^{+0.011}_{-0.013}$ | $0.0489^{+0.0099}_{-0.011}$ | 857 | $0.01458^{+0.0043}_{-0.0051}$ | $0.01856^{+0.0039}_{-0.004}$ | 822 |
| $t_{\overline{KS}}$ | $0.03575^{+0.012}_{-0.015}$ | $0.04605^{+0.011}_{-0.012}$ | 833 | $0.01795^{+0.0061}_{-0.0076}$ | $0.02313^{+0.0057}_{-0.0062}$ | 883 |
| t_{SKS} | $0.03957^{+0.011}_{-0.014}$ | $0.05019^{+0.01}_{-0.011}$ | 1038 | $0.01894^{+0.0059}_{-0.0072}$ | $0.02379^{+0.0053}_{-0.0061}$ | 1141 |
| t_{FGD} | $0.04169^{+0.014}_{-0.016}$ | $0.05238^{+0.012}_{-0.013}$ | 11537 | $0.01306^{+0.0042}_{-0.005}$ | $0.01641^{+0.0039}_{-0.0039}$ | 10029 |
| t_{MMD} | $0.02696^{+0.015}_{-0.013}$ | $0.0351^{+0.014}_{-0.011}$ | 8530 | $0.01695^{+0.0078}_{-0.0074}$ | $0.02212^{+0.0073}_{-0.0062}$ | 8705 |
| t_{LLR} | $0.00244^{+0.0015}_{-0.0015}$ | $0.00345^{+0.0015}_{-0.0015}$ | 8119 | $0.0005^{+0.00035}_{-0.00035}$ | $0.0007^{+0.00035}_{-0.00035}$ | 9217 |
| $\Sigma_{i \neq j}$ -deformation | | | | pow $_+$ -deformation | | |
| Statistic | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}$ | t (s) | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}^{pow_+}$ | t (s) |
| t_{SW} | $0.01669^{+0.005}_{-0.0063}$ | $0.02178^{+0.0044}_{-0.0051}$ | 16981 | $0.00319^{+0.00091}_{-0.0011}$ | $0.00408^{+0.0008}_{-0.00089}$ | 875 |
| $t_{\overline{KS}}$ | $1.01758^{+0.0098}_{-0.0081}$ | $1.02142^{+0.0078}_{-0.003}$ | 18110 | $0.00377^{+0.0011}_{-0.0015}$ | $0.0048^{+0.001}_{-0.0011}$ | 938 |
| t_{SKS} | $0.02138^{+0.0073}_{-0.0089}$ | $0.02764^{+0.0065}_{-0.0074}$ | 17381 | $0.00365^{+0.00095}_{-0.0012}$ | $0.00455^{+0.00087}_{-0.00099}$ | 1271 |
| t_{FGD} | $0.0017^{+0.0004}_{-0.0006}$ | $0.0021^{+0.0004}_{-0.00049}$ | 34786 | $0.00319^{+0.001}_{-0.0012}$ | $0.00401^{+0.0009}_{-0.00095}$ | 8636 |
| t_{MMD} | $0.0097^{+0.0046}_{-0.0044}$ | $0.01275^{+0.0043}_{-0.0037}$ | 22011 | $0.00213^{+0.0012}_{-0.001}$ | $0.00278^{+0.0011}_{-0.00089}$ | 9610 |
| t_{LLR} | $0.00823^{+0.0025}_{-0.0036}$ | $0.01018^{+0.0028}_{-0.0028}$ | 24451 | $0.00014^{+0.0001}_{-0.0001}$ | $0.0002^{+0.0001}_{-0.0001}$ | 9983 |
| pow $_-$ -deformation | | | | \mathcal{N} -deformation | | |
| Statistic | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}^{pow_-}$ | t (s) | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}^{\mathcal{N}}$ | t (s) |
| t_{SW} | $0.00326^{+5}_{-0.0014}$ | $0.00416^{+5}_{-0.0011}$ | 809 | $0.33188^{+0.045}_{-0.065}$ | $0.37703^{+0.037}_{-0.044}$ | 702 |
| $t_{\overline{KS}}$ | $0.00375^{+0.0013}_{-0.0017}$ | $0.00477^{+0.0012}_{-0.0013}$ | 944 | $0.36811^{+0.063}_{-0.087}$ | $0.42005^{+0.049}_{-0.06}$ | 762 |
| t_{SKS} | $0.0036^{+0.0011}_{-0.0014}$ | $0.00449^{+0.001}_{-0.0012}$ | 1262 | $0.36186^{+0.052}_{-0.076}$ | $0.40547^{+0.046}_{-0.057}$ | 1001 |
| t_{FGD} | $0.00325^{+0.0014}_{-0.0016}$ | $0.00409^{+0.0012}_{-0.0012}$ | 12398 | $0.15873^{+0.02}_{-0.036}$ | $0.17714^{+0.017}_{-0.022}$ | 7779 |
| t_{MMD} | $0.00207^{+0.0012}_{-0.0011}$ | $0.00273^{+0.0012}_{-0.00095}$ | 9933 | $0.79853^{+0.11}_{-0.16}$ | $0.91959^{+0.078}_{-0.098}$ | 6228 |
| t_{LLR} | $0.00018^{+0.0001}_{-0.0001}$ | $0.00023^{+0.00011}_{-0.0001}$ | 9090 | - | - | - |
| \mathcal{U} -deformation | | | | Timing | | |
| Statistic | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}^{\mathcal{U}}$ | t (s) | t^{null} (s) | | |
| t_{FGD} | $0.27255^{+0.039}_{-0.059}$ | $0.30784^{+0.029}_{-0.038}$ | 7276 | 16484 | | |
| t_{LLR} | - | - | - | - | | |
| t_{MMD} | $1.39355^{+0.19}_{-0.28}$ | $1.59398^{+0.15}_{-0.18}$ | 7134 | 14531 | | |
| t_{SKS} | $0.62476^{+0.091}_{-0.13}$ | $0.7049^{+0.075}_{-0.097}$ | 935 | 1044 | | |
| t_{SW} | $0.57515^{+0.082}_{-0.11}$ | $0.6534^{+0.065}_{-0.077}$ | 662 | 337 | | |
| $t_{\overline{KS}}$ | $0.64154^{+0.1}_{-0.15}$ | $0.73314^{+0.076}_{-0.11}$ | 744 | 789 | | |