**Scaled Jet features with $n = m = 2 \cdot 10^4$**

| Statistic | $\mu$-deformation | | | $\Sigma_{ii}$-deformation | | |
| --- | --- | --- | --- | --- | --- | --- |
| | $\epsilon_{95\%\mathrm{CL}}$ | $\epsilon_{99\%\mathrm{CL}}$ | $t$ (s) | $\epsilon_{95\%\mathrm{CL}}$ | $\epsilon_{99\%\mathrm{CL}}$ | $t$ (s) |
| $t_{\mathrm{SW}}$ | $0.02498^{+0.0068}_{-0.0089}$ | $0.0347^{+0.0078}_{-0.007}$ | **1856** | $0.03464^{+0.011}_{-0.014}$ | $0.0454^{+0.011}_{-0.012}$ | **1983** |
| $t_{\overline{\mathrm{KS}}}$ | $0.02347^{+0.0081}_{-0.0084}$ | $0.0326^{+0.0073}_{-0.0065}$ | 2379 | $0.03199^{+0.012}_{-0.013}$ | $0.04302^{+0.012}_{-0.012}$ | 3749 |
| $t_{\mathrm{SKS}}$ | $\mathbf{0.01854^{+0.0052}_{-0.0078}}$ | $\mathbf{0.02407^{+0.0044}_{-0.0075}}$ | 5681 | $0.03791^{+0.012}_{-0.016}$ | $0.04866^{+0.012}_{-0.014}$ | 6885 |
| $t_{\mathrm{FGD}}$ | $0.0322^{+0.009}_{-0.013}$ | $0.03958^{+0.01}_{-0.0066}$ | 4014 | $\mathbf{0.03122^{+0.013}_{-0.012}}$ | $\mathbf{0.04039^{+0.012}_{-0.0098}}$ | 3399 |
| $t_{\mathrm{MMD}}$ | $0.10604^{+0.024}_{-0.037}$ | $0.13954^{+0.019}_{-0.025}$ | 6850 | $0.05372^{+0.025}_{-0.021}$ | $0.06748^{+0.024}_{-0.021}$ | 12626 |
| $t_{\mathrm{NPLM}}$ | $0.00036^{+8e-05}_{-0.00015}$ | $0.00043^{+8e-05}_{-9e-05}$ | 19127 | $0.00213^{+0.00055}_{-0.00086}$ | $0.00255^{+0.00049}_{-0.00053}$ | 18043 |

| Statistic | $\Sigma_{i \neq j}$-deformation | | | $\mathrm{pow}_+$-deformation | | |
| --- | --- | --- | --- | --- | --- | --- |
| | $\epsilon_{95\%\mathrm{CL}}$ | $\epsilon_{99\%\mathrm{CL}}$ | $t$ (s) | $\epsilon_{95\%\mathrm{CL}}$ | $\epsilon_{99\%\mathrm{CL}}$ | $t$ (s) |
| $t_{\mathrm{SW}}$ | $0.08331^{+0.027}_{-0.03}$ | $0.11519^{+0.026}_{-0.022}$ | 1581 | $0.04046^{+0.015}_{-0.016}$ | $0.05256^{+0.016}_{-0.016}$ | **1560** |
| $t_{\overline{\mathrm{KS}}}$ | $1.03549^{+0.0094}_{-0.015}$ | $1.04064^{+0.015}_{-0.0051}$ | **1173** | $0.03495^{+0.014}_{-0.014}$ | $0.04617^{+0.015}_{-0.014}$ | 6217 |
| $t_{\mathrm{SKS}}$ | $0.09468^{+0.035}_{-0.035}$ | $0.12683^{+0.033}_{-0.024}$ | 5589 | $0.06771^{+0.02}_{-0.029}$ | $0.08308^{+0.02}_{-0.022}$ | 9295 |
| $t_{\mathrm{FGD}}$ | $\mathbf{0.00933^{+0.0032}_{-0.0032}}$ | $\mathbf{0.01233^{+0.0031}_{-0.0022}}$ | 6144 | $0.03586^{+0.017}_{-0.016}$ | $0.04367^{+0.017}_{-0.013}$ | 3613 |
| $t_{\mathrm{MMD}}$ | $0.1341^{+0.062}_{-0.058}$ | $0.17463^{+0.05}_{-0.046}$ | 79177 | $\mathbf{0.03099^{+4.9}_{-0.014}}$ | $\mathbf{0.0413^{+4.9}_{-0.015}}$ | 13970 |
| $t_{\mathrm{NPLM}}$ | $0.0038^{+0.0018}_{-0.00053}$ | $0.00439^{+0.0022}_{-0.00088}$ | 17539 | $0.0137^{+0.0041}_{-0.0054}$ | $0.0164^{+0.0036}_{-0.0041}$ | 21509 |

| Statistic | $\mathrm{pow}_-$-deformation | | | $\mathcal{N}$-deformation | | |
| --- | --- | --- | --- | --- | --- | --- |
| | $\epsilon_{95\%\mathrm{CL}}$ | $\epsilon_{99\%\mathrm{CL}}$ | $t$ (s) | $\epsilon_{95\%\mathrm{CL}}$ | $\epsilon_{99\%\mathrm{CL}}$ | $t$ (s) |
| $t_{\mathrm{SW}}$ | $0.0434^{+4.9}_{-0.018}$ | $0.05684^{+4.9}_{-0.016}$ | **1381** | $0.15561^{+0.026}_{-0.031}$ | $0.17515^{+0.026}_{-0.025}$ | **1501** |
| $t_{\overline{\mathrm{KS}}}$ | $0.03324^{+0.013}_{-0.014}$ | $\mathbf{0.04369^{+0.015}_{-0.013}}$ | 7555 | $0.13682^{+0.018}_{-0.027}$ | $0.15251^{+0.017}_{-0.01}$ | 7585 |
| $t_{\mathrm{SKS}}$ | $0.06451^{+0.022}_{-0.028}$ | $0.08132^{+0.021}_{-0.021}$ | 10657 | $0.12378^{+0.028}_{-0.056}$ | $0.1448^{+0.028}_{-0.039}$ | 11391 |
| $t_{\mathrm{FGD}}$ | $0.03489^{+0.02}_{-0.015}$ | $0.04502^{+0.02}_{-0.012}$ | 4270 | $\mathbf{0.0948^{+0.015}_{-0.02}}$ | $\mathbf{0.11199^{+0.0096}_{-0.013}}$ | 4014 |
| $t_{\mathrm{MMD}}$ | $\mathbf{0.03264^{+0.024}_{-0.016}}$ | $0.048^{+0.02}_{-0.016}$ | 15086 | $0.32021^{+0.058}_{-0.066}$ | $0.37016^{+0.041}_{-0.041}$ | 11399 |
| $t_{\mathrm{NPLM}}$ | $0.01579^{+0.0042}_{-0.0058}$ | $0.01853^{+0.0041}_{-0.0041}$ | 16005 | $0.03474^{+0.0059}_{-0.0077}$ | $0.03885^{+0.005}_{-0.006}$ | 14859 |

| Statistic | $\mathcal{U}$-deformation | | | Timing |
| --- | --- | --- | --- | --- |
| | $\epsilon_{95\%\mathrm{CL}}$ | $\epsilon_{99\%\mathrm{CL}}$ | $t$ (s) | $t^{\mathrm{null}}$ (s) |
| $t_{\mathrm{SW}}$ | $0.2705^{+0.047}_{-0.059}$ | $0.30356^{+0.045}_{-0.029}$ | **1396** | **271** |
| $t_{\overline{\mathrm{KS}}}$ | $0.23391^{+0.024}_{-0.049}$ | $0.25939^{+0.027}_{-0.024}$ | 8297 | 324 |
| $t_{\mathrm{SKS}}$ | $0.20877^{+0.051}_{-0.082}$ | $0.24937^{+0.042}_{-0.046}$ | 10459 | 870 |
| $t_{\mathrm{FGD}}$ | $\mathbf{0.17213^{+0.014}_{-0.026}}$ | $\mathbf{0.19235^{+0.016}_{-0.015}}$ | 2864 | 497 |
| $t_{\mathrm{MMD}}$ | $0.55884^{+0.088}_{-0.11}$ | $0.6454^{+0.072}_{-0.07}$ | 10439 | 949 |
| $t_{\mathrm{NPLM}}$ | $0.06096^{+0.0096}_{-0.015}$ | $0.06726^{+0.0067}_{-0.0094}$ | 18750 | 2439 |