

Scaled Jet features with $n = m = 10^4$

μ -deformation							Σ_{ii} -deformation						
Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)
t_{SW}	$0.03454^{+0.015}_{-0.0089}$	$0.04478^{+0.014}_{-0.011}$	973	$0.05325^{+0.012}_{-0.024}$	$0.06318^{+0.014}_{-0.012}$	1017	t_{SW}	$0.05325^{+0.012}_{-0.024}$	$0.06318^{+0.014}_{-0.012}$	1017	$0.05325^{+0.012}_{-0.024}$	$0.06318^{+0.014}_{-0.012}$	1017
$t_{\overline{KS}}$	$0.03618^{+0.011}_{-0.011}$	$0.04483^{+0.011}_{-0.011}$	850	$0.049^{+0.016}_{-0.014}$	$0.06199^{+0.016}_{-0.017}$	1193	$t_{\overline{KS}}$	$0.049^{+0.016}_{-0.014}$	$0.06199^{+0.016}_{-0.017}$	1193	$0.049^{+0.016}_{-0.014}$	$0.06199^{+0.016}_{-0.017}$	1193
t_{SKS}	$0.02531^{+0.0088}_{-0.0088}$	$0.03294^{+0.01}_{-0.0093}$	2419	$0.05413^{+0.016}_{-0.023}$	$0.06948^{+0.017}_{-0.019}$	2718	t_{SKS}	$0.05413^{+0.016}_{-0.023}$	$0.06948^{+0.017}_{-0.019}$	2718	$0.05413^{+0.016}_{-0.023}$	$0.06948^{+0.017}_{-0.019}$	2718
t_{FGD}	$0.04203^{+0.017}_{-0.014}$	$0.05825^{+0.013}_{-0.011}$	1768	$0.04367^{+0.018}_{-0.02}$	$0.05731^{+0.018}_{-0.015}$	2279	t_{FGD}	$0.04367^{+0.018}_{-0.02}$	$0.05731^{+0.018}_{-0.015}$	2279	$0.04367^{+0.018}_{-0.02}$	$0.05731^{+0.018}_{-0.015}$	2279
t_{MMD}	$0.14557^{+0.033}_{-0.05}$	$0.1927^{+0.026}_{-0.034}$	2159	$0.07112^{+0.032}_{-0.03}$	$0.0925^{+0.028}_{-0.028}$	3626	t_{MMD}	$0.07112^{+0.032}_{-0.03}$	$0.0925^{+0.028}_{-0.028}$	3626	$0.07112^{+0.032}_{-0.03}$	$0.0925^{+0.028}_{-0.028}$	3626
$\Sigma_{i \neq j}$ -deformation							pow ₊ -deformation						
Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}^{pow+}$	t (s)	Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}^{pow+}$	t (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}^{pow+}$	t (s)
t_{SW}	$0.02115^{+0.0071}_{-0.0084}$	$0.02816^{+0.0093}_{-0.0088}$	1071	$0.0551^{+0.022}_{-0.015}$	$0.07143^{+0.022}_{-0.019}$	967	t_{SW}	$0.0551^{+0.022}_{-0.015}$	$0.07143^{+0.022}_{-0.019}$	967	$0.0551^{+0.022}_{-0.015}$	$0.07143^{+0.022}_{-0.019}$	967
$t_{\overline{KS}}$	$0.0397^{+0.013}_{-0.014}$	$0.05152^{+0.018}_{-0.015}$	1457	$0.05339^{+0.021}_{-0.021}$	$0.06245^{+0.028}_{-0.017}$	1732	$t_{\overline{KS}}$	$0.05339^{+0.021}_{-0.021}$	$0.06245^{+0.028}_{-0.017}$	1732	$0.05339^{+0.021}_{-0.021}$	$0.06245^{+0.028}_{-0.017}$	1732
t_{SKS}	$0.01838^{+0.0088}_{-0.0063}$	$0.02749^{+0.012}_{-0.0092}$	3196	$0.09036^{+0.039}_{-0.027}$	$0.12493^{+0.028}_{-0.035}$	3154	t_{SKS}	$0.09036^{+0.039}_{-0.027}$	$0.12493^{+0.028}_{-0.035}$	3154	$0.09036^{+0.039}_{-0.027}$	$0.12493^{+0.028}_{-0.035}$	3154
t_{FGD}	$0.00686^{+0.0021}_{-0.0019}$	$0.00989^{+0.0018}_{-0.0018}$	1607	$0.04473^{+0.028}_{-0.019}$	$0.06202^{+0.023}_{-0.021}$	2120	t_{FGD}	$0.04473^{+0.028}_{-0.019}$	$0.06202^{+0.023}_{-0.021}$	2120	$0.04473^{+0.028}_{-0.019}$	$0.06202^{+0.023}_{-0.021}$	2120
t_{MMD}	$0.01676^{+0.0092}_{-0.0055}$	$0.02511^{+0.0096}_{-0.0075}$	3322	$0.04304^{+1.9}_{-0.023}$	$0.05234^{+1.9}_{-0.019}$	4893	t_{MMD}	$0.04304^{+1.9}_{-0.023}$	$0.05234^{+1.9}_{-0.019}$	4893	$0.04304^{+1.9}_{-0.023}$	$0.05234^{+1.9}_{-0.019}$	4893
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)	Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}^{\mathcal{N}}$	t (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}^{\mathcal{N}}$	t (s)
t_{SW}	$0.06251^{+0.023}_{-0.019}$	$0.07732^{+0.022}_{-0.02}$	972	$0.1954^{+0.026}_{-0.048}$	$0.21418^{+0.026}_{-0.024}$	894	t_{SW}	$0.1954^{+0.026}_{-0.048}$	$0.21418^{+0.026}_{-0.024}$	894	$0.1954^{+0.026}_{-0.048}$	$0.21418^{+0.026}_{-0.024}$	894
$t_{\overline{KS}}$	$0.04649^{+0.019}_{-0.013}$	$0.0602^{+0.019}_{-0.016}$	1929	$0.17245^{+0.018}_{-0.036}$	$0.19003^{+0.021}_{-0.019}$	1945	$t_{\overline{KS}}$	$0.17245^{+0.018}_{-0.036}$	$0.19003^{+0.021}_{-0.019}$	1945	$0.17245^{+0.018}_{-0.036}$	$0.19003^{+0.021}_{-0.019}$	1945
t_{SKS}	$0.08917^{+0.028}_{-0.025}$	$0.11446^{+0.028}_{-0.031}$	3404	$0.15303^{+0.033}_{-0.044}$	$0.19176^{+0.022}_{-0.047}$	3597	t_{SKS}	$0.15303^{+0.033}_{-0.044}$	$0.19176^{+0.022}_{-0.047}$	3597	$0.15303^{+0.033}_{-0.044}$	$0.19176^{+0.022}_{-0.047}$	3597
t_{FGD}	$0.0488^{+0.029}_{-0.026}$	$0.06761^{+0.029}_{-0.024}$	1503	$0.11564^{+0.016}_{-0.018}$	$0.13698^{+0.012}_{-0.014}$	1659	t_{FGD}	$0.11564^{+0.016}_{-0.018}$	$0.13698^{+0.012}_{-0.014}$	1659	$0.11564^{+0.016}_{-0.018}$	$0.13698^{+0.012}_{-0.014}$	1659
t_{MMD}	$0.04774^{+0.03}_{-0.019}$	$0.06826^{+0.03}_{-0.022}$	5189	$0.38281^{+0.061}_{-0.079}$	$0.43607^{+0.057}_{-0.055}$	4053	t_{MMD}	$0.38281^{+0.061}_{-0.079}$	$0.43607^{+0.057}_{-0.055}$	4053	$0.38281^{+0.061}_{-0.079}$	$0.43607^{+0.057}_{-0.055}$	4053
\mathcal{U} -deformation							Timing						
Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}^{\mathcal{U}}$	t (s)	t^{null} (s)	$\epsilon_{95\%CL}$	t^{null} (s)	Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}^{\mathcal{U}}$	t (s)	t^{null} (s)	$\epsilon_{95\%CL}$	t^{null} (s)
t_{SW}	$0.33748^{+0.04}_{-0.082}$	$0.36991^{+0.044}_{-0.042}$	878	145	$0.33748^{+0.04}_{-0.082}$	145	t_{SW}	$0.33748^{+0.04}_{-0.082}$	$0.36991^{+0.044}_{-0.042}$	878	145	$0.33748^{+0.04}_{-0.082}$	145
$t_{\overline{KS}}$	$0.28304^{+0.032}_{-0.047}$	$0.32381^{+0.023}_{-0.032}$	2040	145	$0.28304^{+0.032}_{-0.047}$	145	$t_{\overline{KS}}$	$0.28304^{+0.032}_{-0.047}$	$0.32381^{+0.023}_{-0.032}$	2040	145	$0.28304^{+0.032}_{-0.047}$	145
t_{SKS}	$0.26284^{+0.06}_{-0.076}$	$0.33111^{+0.04}_{-0.082}$	3983	418	$0.26284^{+0.06}_{-0.076}$	418	t_{SKS}	$0.26284^{+0.06}_{-0.076}$	$0.33111^{+0.04}_{-0.082}$	3983	418	$0.26284^{+0.06}_{-0.076}$	418
t_{FGD}	$0.20008^{+0.026}_{-0.036}$	$0.23742^{+0.021}_{-0.026}$	1960	248	$0.20008^{+0.026}_{-0.036}$	248	t_{FGD}	$0.20008^{+0.026}_{-0.036}$	$0.23742^{+0.021}_{-0.026}$	1960	248	$0.20008^{+0.026}_{-0.036}$	248
t_{MMD}	$0.67348^{+0.11}_{-0.14}$	$0.75865^{+0.091}_{-0.1}$	5241	386	$0.67348^{+0.11}_{-0.14}$	386	t_{MMD}	$0.67348^{+0.11}_{-0.14}$	$0.75865^{+0.091}_{-0.1}$	5241	386	$0.67348^{+0.11}_{-0.14}$	386
t_{LLR}	-	-	-	-	-	-	t_{LLR}	-	-	-	-	-	-