Particle features with $n = m = 5 \cdot 10^4$

Statistic	μ-deformation			Σ_{ii}-deformation		
	$\epsilon_{95\%\text{CL}}$	$\epsilon_{99\%\text{CL}}$	t (s)	$\epsilon_{95\%\text{CL}}$	$\epsilon_{99\%\text{CL}}$	t (s)
t_{SW}	$0.02633^{+0.0098}_{-0.013}$	$0.03714^{+0.0084}_{-0.0097}$	**849**	$0.02913^{+0.012}_{-0.0079}$	$0.04108^{+0.0093}_{-0.011}$	**824**
$t_{\overline{\text{KS}}}$	$\mathbf{0.0^{+0.0045}_{-0}}$	$\mathbf{0.00771^{+0.0022}_{-0.0068}}$	49525	$\mathbf{0.0^{+0.013}_{-0}}$	$\mathbf{0.01904^{+0.0086}_{-0.011}}$	55017
t_{SKS}	$0.01592^{+0.0046}_{-0.0061}$	$0.02334^{+0.0058}_{-0.0059}$	17572	$0.02735^{+0.0049}_{-0.01}$	$0.03362^{+0.0081}_{-0.0071}$	24987
t_{FGD}	$0.04749^{+0.012}_{-0.024}$	$0.06462^{+0.013}_{-0.013}$	30820	$0.04004^{+0.017}_{-0.012}$	$0.0556^{+0.018}_{-0.016}$	25551
t_{MMD}	$0.1396^{+0.1}_{-0.065}$	$0.21274^{+0.071}_{-0.065}$	18527	$0.06988^{+0.048}_{-0.031}$	$0.0986^{+0.037}_{-0.036}$	33217

Statistic	$\Sigma_{i \neq j}$-deformation			pow$_+$-deformation		
	$\epsilon_{95\%\text{CL}}$	$\epsilon_{99\%\text{CL}}$	t (s)	$\epsilon_{95\%\text{CL}}$	$\epsilon^{\text{pow}_+}_{99\%\text{CL}}$	t (s)
t_{SW}	$0.03129^{+0.0097}_{-0.011}$	$0.04414^{+0.01}_{-0.0076}$	**897**	$0.02745^{+0.011}_{-0.0075}$	$0.03872^{+0.0088}_{-0.011}$	**806**
$t_{\overline{\text{KS}}}$	$0.01611^{+0.01}_{-0.016}$	$0.03437^{+0.0091}_{-0.012}$	30116	$\mathbf{0.0^{+0.0066}_{-0}}$	$\mathbf{0.01141^{+0.0073}_{-0.011}}$	46010
t_{SKS}	$0.02133^{+0.0089}_{-0.0048}$	$0.03204^{+0.0049}_{-0.0068}$	17411	$0.03594^{+0.021}_{-0.016}$	$0.05069^{+0.011}_{-0.014}$	24821
t_{FGD}	$\mathbf{0.0132^{+0.0029}_{-0.0059}}$	$\mathbf{0.01983^{+0.003}_{-0.0033}}$	27733	$0.02459^{+0.013}_{-0.012}$	$0.03501^{+0.013}_{-0.012}$	25798
t_{MMD}	$0.09854^{+0.038}_{-0.031}$	$0.13898^{+0.031}_{-0.022}$	15295	$0.02054^{+0.014}_{-0.0071}$	$0.02657^{+0.013}_{-0.0091}$	26195

Statistic	pow$_-$-deformation			$\mathcal{N}$-deformation		
	$\epsilon_{95\%\text{CL}}$	$\epsilon^{\text{pow}_-}_{99\%\text{CL}}$	t (s)	$\epsilon_{95\%\text{CL}}$	$\epsilon^{\mathcal{N}}_{99\%\text{CL}}$	t (s)
t_{SW}	$0.02745^{+0.011}_{-0.014}$	$0.03872^{+0.0088}_{-0.01}$	**809**	$0.10733^{+0.022}_{-0.026}$	$0.13357^{+0.016}_{-0.016}$	**691**
$t_{\overline{\text{KS}}}$	$\mathbf{0.0^{+0.0095}_{-0}}$	$\mathbf{0.01323^{+0.0069}_{-0.0085}}$	45685	$\mathbf{0.0656^{+0.016}_{-0.053}}$	$\mathbf{0.08707^{+0.013}_{-0.016}}$	7484
t_{SKS}	$0.03777^{+0.015}_{-0.017}$	$0.04837^{+0.014}_{-0.015}$	15966	$0.08456^{+0.013}_{-0.013}$	$0.09935^{+0.0089}_{-0.01}$	18276
t_{FGD}	$0.02241^{+0.019}_{-0.01}$	$0.0353^{+0.019}_{-0.011}$	26549	$0.14608^{+0.034}_{-0.038}$	$0.1758^{+0.023}_{-0.021}$	23330
t_{MMD}	$0.02077^{+0.017}_{-0.01}$	$0.02939^{+0.016}_{-0.0089}$	20263	$0.33827^{+0.088}_{-0.089}$	$0.37964^{+0.091}_{-0.073}$	19908

Statistic	$\mathcal{U}$-deformation			Timing
	$\epsilon_{95\%\text{CL}}$	$\epsilon^{\mathcal{U}}_{99\%\text{CL}}$	t (s)	t^{null} (s)
t_{SW}	$0.1889^{+0.038}_{-0.046}$	$0.2351^{+0.028}_{-0.04}$	**625**	**150**
$t_{\overline{\text{KS}}}$	$\mathbf{0.10693^{+0.022}_{-0.086}}$	$\mathbf{0.14193^{+0.021}_{-0.019}}$	13565	2126
t_{SKS}	$0.14453^{+0.02}_{-0.028}$	$0.17795^{+0.0057}_{-0.023}$	17723	4818
t_{FGD}	$0.25168^{+0.053}_{-0.065}$	$0.30289^{+0.04}_{-0.036}$	23243	7351
t_{MMD}	$0.58039^{+0.17}_{-0.15}$	$0.6876^{+0.14}_{-0.14}$	25557	3880
t_{LLR}	-	-	-	-