Particle features with $n = m = 2 \cdot 10^4$

Statistic	μ-deformation			Σ_{ii}-deformation		
	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
t_{SW}	$0.03755^{+0.019}_{-0.018}$	$0.06003^{+0.017}_{-0.019}$	**1152**	$0.04347^{+0.017}_{-0.019}$	$0.06373^{+0.016}_{-0.016}$	**1126**
$t_{\overline{\mathrm{KS}}}$	$\mathbf{0.00993^{+0.0052}_{-0.0078}}$	$\mathbf{0.01668^{+0.0052}_{-0.0032}}$	1777	$\mathbf{0.02465^{+0.016}_{-0.019}}$	$\mathbf{0.03767^{+0.017}_{-0.0092}}$	2402
t_{SKS}	$0.02531^{+0.0089}_{-0.01}$	$0.03801^{+0.0058}_{-0.0072}$	3266	$0.04334^{+0.0094}_{-0.017}$	$0.05753^{+0.0085}_{-0.014}$	3575
t_{FGD}	$0.07038^{+0.025}_{-0.031}$	$0.10569^{+0.016}_{-0.021}$	5425	$0.06198^{+0.033}_{-0.024}$	$0.08926^{+0.024}_{-0.024}$	5291
t_{MMD}	$0.21075^{+0.19}_{-0.096}$	$0.31926^{+0.12}_{-0.11}$	3912	$0.11714^{+0.072}_{-0.054}$	$0.15051^{+0.064}_{-0.057}$	4844

Statistic	$\Sigma_{i\neq j}$-deformation			pow$_+$-deformation		
	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon^{\mathrm{pow}_+}_{99\%\mathrm{CL}}$	t (s)
t_{SW}	$0.03608^{+0.013}_{-0.015}$	$0.0529^{+0.013}_{-0.01}$	2359	$0.04032^{+0.016}_{-0.017}$	$0.05911^{+0.015}_{-0.017}$	**1172**
$t_{\overline{\mathrm{KS}}}$	$1.03785^{+0.009}_{-0.024}$	$1.04608^{+0.0082}_{-0.016}$	**2035**	$\mathbf{0.01587^{+0.0085}_{-0.013}}$	$\mathbf{0.02425^{+0.011}_{-0.0046}}$	3776
t_{SKS}	$0.03082^{+0.01}_{-0.013}$	$0.04194^{+0.0086}_{-0.011}$	5287	$0.05979^{+0.03}_{-0.024}$	$0.08436^{+0.032}_{-0.021}$	4543
t_{FGD}	$\mathbf{0.0225^{+0.0058}_{-0.0061}}$	$\mathbf{0.03378^{+0.0051}_{-0.0054}}$	7279	$0.03326^{+0.03}_{-0.014}$	$0.04854^{+0.028}_{-0.012}$	5966
t_{MMD}	$0.23252^{+0.076}_{-0.1}$	$0.35295^{+0.055}_{-0.069}$	4766	$0.03172^{+1.9}_{-0.016}$	$0.03834^{+1.9}_{-0.01}$	5648

Statistic	pow$_-$-deformation			$\mathcal{N}$-deformation		
	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon^{\mathrm{pow}_-}_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon^{\mathcal{N}}_{99\%\mathrm{CL}}$	t (s)
t_{SW}	$0.04099^{+0.02}_{-0.02}$	$0.05783^{+0.022}_{-0.013}$	**1141**	$0.1312^{+0.033}_{-0.036}$	$0.17415^{+0.026}_{-0.035}$	**960**
$t_{\overline{\mathrm{KS}}}$	$\mathbf{0.01675^{+0.0096}_{-0.013}}$	$\mathbf{0.0256^{+0.011}_{-0.0076}}$	4437	$\mathbf{0.09466^{+0.019}_{-0.023}}$	$\mathbf{0.10855^{+0.023}_{-0.021}}$	3808
t_{SKS}	$0.05825^{+0.024}_{-0.028}$	$0.07685^{+0.024}_{-0.022}$	5427	$0.10894^{+0.012}_{-0.02}$	$0.13563^{+0.0038}_{-0.017}$	5278
t_{FGD}	$0.03691^{+0.028}_{-0.019}$	$0.05501^{+0.026}_{-0.017}$	5290	$0.1818^{+0.04}_{-0.037}$	$0.22626^{+0.027}_{-0.036}$	4748
t_{MMD}	$0.03173^{+0.029}_{-0.015}$	$0.04728^{+0.023}_{-0.018}$	6602	$0.38994^{+0.15}_{-0.071}$	$0.49845^{+0.096}_{-0.12}$	6103

Statistic	$\mathcal{U}$-deformation			Timing		
	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon^{\mathcal{U}}_{99\%\mathrm{CL}}$	t (s)	t^{null} (s)		
t_{FGD}	$0.31601^{+0.067}_{-0.064}$	$0.3933^{+0.046}_{-0.062}$	4219	1462		
t_{LLR}	-	-	-	-		
t_{MMD}	$0.73168^{+0.25}_{-0.19}$	$0.85127^{+0.23}_{-0.21}$	6154	943		
t_{SKS}	$0.19209^{+0.019}_{-0.044}$	$0.22571^{+0.02}_{-0.0097}$	5294	958		
t_{SW}	$0.2237^{+0.05}_{-0.029}$	$0.29694^{+0.044}_{-0.038}$	**876**	**303**		
$t_{\overline{\mathrm{KS}}}$	$\mathbf{0.1547^{+0.025}_{-0.043}}$	$\mathbf{0.19254^{+0.023}_{-0.046}}$	4086	386		