	Scal	ed Particle feat	ures wit	$ ext{th } ext{n} = ext{m} = ext{5} \cdot ext{10}$	4	
	μ -deformation			Σ_{ii} -deformation		
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$0.01334^{+0.0038}_{-0.0046}$	$0.01815^{+0.0037}_{-0.0029}$	1116	$0.0166^{+0.0059}_{-0.0063}$	$0.02125^{+0.006}_{-0.0034}$	1079
$t_{\overline{ ext{KS}}}$	$0.0^{+0.0045}_{-0}$	$0.00771^{+0.0022}_{-0.0049}$	58835	$0.0^{+0.013}_{-0}$	$0.01904^{+0.0086}_{-0.011}$	62555
$t_{ m SKS}$	$0.01275^{+0.0034}_{-0.0043}$	$0.01734^{+0.0036}_{-0.0028}$	18356	$0.02131^{+0.007}_{-0.0073}$	$0.02899^{+0.006}_{-0.0047}$	26542
$t_{ m FGD}$	$0.01627^{+0.003}_{-0.006}$	$0.02025_{-0.0047}^{-0.0024}$	39057	$\begin{array}{c} -0.01469 ^{+0.0034}_{-0.0057} \\ 0.01606 ^{+0.0074}_{-0.0066} \end{array}$	$0.01805^{+0.0043}_{-0.0051}$	27175
$t_{ m MMD}$	$0.01613_{-0.0058}^{-0.0049}$	$\begin{array}{c} 0.02025_{-0.0047} \\ 0.02141_{-0.0035}^{+0.0032} \end{array}$	22841	$0.01606^{+0.0074}_{-0.0066}$	$0.02089^{+0.0055}_{-0.0061}$	33730
$\Sigma_{i \neq j}$ -deformation				pow_+ -deformation		
Statistic	$\epsilon_{95\%{ m CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathrm{pow}_{+}}$	t (s)
$t_{ m SW}$	$0.01393^{+0.0041}_{-0.0047}$	$0.01895^{+0.0039}_{-0.0031}$	1344	$0.01894^{+0.0055}_{-0.0072}$	$0.02425^{+0.0068}_{-0.0039}$	1006
$t_{\overline{ ext{KS}}}$	$0.01325^{+0.013}_{-0.013}$	$0.03498^{+0.0085}_{-0.014}$	37177	$0.0^{+0.0066}_{-0}$	$0.01141^{+0.0073}_{-0.011}$	49091
$t_{ m SKS}$	$0.01569^{+0.0034}_{-0.0053}$	$0.02135^{+0.0044}_{-0.0048}$	36300	$0.03552^{+0.0055}_{-0.013}$	$0.04366^{+0.01}_{-0.0066}$	15487
$t_{ m FGD}$	$0.00128^{+0.00037}_{-0.00044}$	$0.0017^{+0.00025}_{-0.00037}$	30741	$0.01534_{-0.0062}^{+0.0052}$	$0.01886^{+0.0045}_{-0.0055}$	24241
$t_{ m MMD}$	$0.00903^{+0.0039}_{-0.0044}$	$0.01242^{+0.0029}_{-0.0042}$	38971	$0.01896^{+0.0074}_{-0.008}$	$0.02428^{+0.0068}_{-0.0071}$	27198
$pow\deformation$				$\mathcal{N} ext{-} ext{deformation}$		
Statistic	$\epsilon_{95\%{ m CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathrm{pow}_{-}}$	t (s)	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathcal{N}}$	t (s)
$t_{ m SW}$	$0.01909^{+0.0073}_{-0.0077}$	$0.02693^{+0.0061}_{-0.0068}$	1006	$0.10868^{+0.02}_{-0.017}$	$0.1277^{+0.011}_{-0.022}$	886
$t_{\overline{ ext{KS}}}$	$0.0^{+0.0095}_{-0}$	$0.01323^{+0.0069}_{-0.0085}$	45323	$0.0656^{+0.016}_{-0.049}$	$0.08707^{+0.013}_{-0.019}$	22186
$t_{ m SKS}$	$0.0356^{+0.0093}_{-0.013}$	$0.04726^{+0.007}_{-0.011}$	22261	$0.10733_{-0.017}^{+0.022}$	$0.13357^{+0.016}_{-0.026}$	24344
$t_{ m FGD}$	$\begin{array}{c} -0.01543 \\ 0.01543 \\ -0.0065 \\ 0.01859 \\ -0.0081 \\ \end{array}$	$0.01852^{+0.0068}_{-0.0042}$	24968	$0.04853_{-0.0075}^{+0.0071}$	$0.05702^{+0.0051}_{-0.006}$	24273
$t_{ m MMD}$	$0.01859^{+0.0085}_{-0.0081}$	$0.01852_{-0.0042} \\ 0.02501_{-0.0064}^{+0.0083}$	27960	$0.26953^{+0.035}_{-0.052}$	$0.30333^{+0.029}_{-0.011}$	19782
$\mathcal{U} ext{-} ext{deformation}$					Timing	
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathcal{U}}$	t (s)	t^{null} (s)		
$t_{ m SW}$	$0.19116^{+0.035}_{-0.03}$	$0.22462^{+0.02}_{-0.039}$	774	133		
$t_{\overline{ ext{KS}}}$	$0.10693^{+0.022}_{-0.086}$	$0.14193^{+0.021}_{-0.019}$	10646	1972		
$t_{ m SKS}$	$0.19116^{+0.035}_{-0.03}$	$0.22462^{+0.02}_{-0.039}$	16154	4379		
$t_{ m FGD}$	$0.08969^{+0.006}_{-0.016}$	$0.10215^{+0.0042}_{-0.016}$	21825	6689		
$t_{ m MMD}$	$0.48398^{+0.032}_{-0.088}$	$0.5512^{+0.022}_{-0.058}$	14676	3605		
$t_{ m LLR}$	-	-	-	-		