	Sca	aled Particle feat	ures wi	$\frac{1}{\text{th } n = m = 5 \cdot 10}$	0^4	
	μ -deformation			Σ_{ii} -deformation		
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\mid \epsilon_{95\% { m CL}} \mid$	$\epsilon_{99\%\mathrm{CL}}$	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
$t_{\overline{ ext{KS}}}$	$0.0^{+0.0045}_{-0}$	$0.00771^{+0.0022}_{-0.0040}$	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	$0.02131^{+0.007}_{-0.0073}$	$0.02899_{-0.0047}^{-0.011}$	26542
$t_{ m FGD}$	$0.01627^{+0.003}_{-0.006}$	$0.02025^{+0.0024}_{-0.0047}$	39057	$0.01469^{+0.0034}_{-0.0057}$	$0.01805^{+0.0043}_{-0.0051}$	27175
$t_{ m MMD}$	$\begin{array}{c} 0.01627^{+0.003}_{-0.006} \\ 0.01613^{+0.0049}_{-0.0058} \end{array}$	$\begin{array}{c} 0.01734^{+0.0036}_{-0.0028} \\ 0.02025^{+0.0024}_{-0.0047} \\ 0.02141^{+0.0032}_{-0.0035} \end{array}$	22841	$\begin{array}{c} 0.01469^{+0.0034}_{-0.0057} \\ 0.01606^{+0.0074}_{-0.0066} \end{array}$	$0.02089^{+0.0055}_{-0.0061}$	33730
$\Sigma_{i\neq j}$ -deformation				pow_+ -deformation		
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%{ m CL}}$	t (s)	$\mid \epsilon_{95\% ext{CL}} vert$	$\epsilon_{99\%\mathrm{CL}}^{\mathrm{pow}_{+}}$	t (s)
$t_{ m SW}$	$0.03128^{+0.0068}_{-0.011}$	$0.04152^{+0.0061}_{-0.0067}$	1424	$0.01894^{+0.0055}_{-0.0072}$	$0.02425^{+0.0068}_{-0.0039}$	1006
$t_{\overline{ ext{KS}}}$	$0.99134_{-0.0078}^{+0.016}$	$1.01532_{-0.004}^{+0.008}$	11987	$0.0^{+0.0066}_{-0}$	$0.01141^{+0.0073}_{-0.011}$	49091
$t_{ m SKS}$	$0.03809^{+0.011}_{-0.013}$	$0.0515^{+0.011}_{-0.0083}$	27313	$0.03552^{+0.0055}_{-0.013}$	$0.04366^{+0.011}_{-0.0066}$	15487
$t_{ m FGD}$	$0.0026^{+0.00076}_{-0.00089}$	$0.00345^{+0.00052}_{-0.00076}$	33338	$0.01534^{+0.0052}_{-0.0062}$	$0.01886^{+0.0045}_{-0.0055}$	24241
$t_{ m MMD}$	$0.01919_{-0.0079}^{+0.011}$	$0.02614^{+0.0089}_{-0.0065}$	20604	$0.01896^{+0.0074}_{-0.008}$	$0.02428^{+0.0068}_{-0.0071}$	27198
powdeformation				\mathcal{N} -deformation		
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathrm{pow}_{-}}$	t (s)	$\epsilon_{95\%{ m CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathcal{N}}$	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
$t_{\overline{ ext{KS}}}$	$\mid 0.0^{+0.0095}_{-0} \mid$	$0.01323^{+0.0069}_{-0.0085}$	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	$0.10733^{+0.022}_{-0.017}$	$0.13357^{+0.016}_{-0.026}$	24344
$t_{ m FGD}$	$0.01543_{-0.0065}^{+0.007}$	$0.01852^{+0.0068}_{-0.0042}$	24968	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$0.05702^{+0.0051}_{-0.006}$	24273
$t_{ m MMD}$	$\begin{array}{c} -0.01543 \\ 0.01543 \\ -0.0065 \\ 0.01859 \\ -0.0081 \\ \end{array}$	$0.01852^{+0.0068}_{-0.0042} \ 0.02501^{+0.0083}_{-0.0064}$	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)	_	
$t_{ m FGD}$	$0.08969^{+0.006}_{-0.016}$	$0.10215^{+0.0042}_{-0.016}$	21825	6689		
$t_{ m LLR}$	_	_	-	_		
$t_{ m MMD}$	$0.48398^{+0.032}_{-0.088}$	$0.5512^{+0.022}_{-0.058}$	14676	3605		
$t_{ m SKS}$	$ \begin{array}{c c} 0.19116^{+0.035}_{-0.03} \\ 0.19116^{+0.035}_{-0.03} \end{array} $	$0.22462^{+0.02}_{-0.039}$	16154	4379		
$t_{ m SW}$		$0.22462^{+0.02}_{-0.039}$	774	133		
$t_{\overline{ ext{KS}}}$	$0.10693^{+0.022}_{-0.086}$	$0.14193^{+0.021}_{-0.019}$	10646	1972		