	$\mu$ -deformation			$\Sigma_{ii}$ -deformation		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$ \begin{array}{c} 0.06686^{+0.019}_{-0.023} \\ \mathbf{0.0052^{+0.0021}_{-0.0021}} \\ 0.05483^{+0.014}_{-0.017} \end{array} $	$0.08691^{+0.017}_{-0.019}$	698	$ \begin{array}{c} 0.02176^{+0.0058}_{-0.0075} \\ \textbf{0.00132}^{+0.00073}_{-0.00062} \\ 0.01903^{+0.0038}_{-0.0051} \\ 0.02962^{+0.0062}_{-0.0077} \\ 0.01681^{+0.0034}_{-0.0038} \\ 0.0003^{+0.0038}_{-0.0038} \end{array} $	$0.02825^{+0.0052}_{-0.006}$	766
$t_{\overline{ ext{KS}}}$	$0.0052^{+0.0021}_{-0.0021}$	$0.00766_{-0.0023}^{+0.0022}$	1312	$0.00132^{+0.00073}_{-0.00062}$	$0.00216^{+0.00083}_{-0.00078}$	1447
$t_{ m SKS}$	$0.05483^{+0.014}_{-0.017}$	$0.07079^{+0.012}_{-0.014}$	737	$0.01903^{+0.0038}_{-0.0051}$	$0.02404^{+0.0031}_{-0.0037}$	813
$t_{ m FGD}$	$0.0917^{+0.024}_{-0.025}$	$0.11605^{+0.021}_{-0.022}$	5212	$0.02962^{+0.0062}_{-0.0077}$	$0.02404^{+0.0031}_{-0.0037}$ $0.03721^{+0.005}_{-0.0056}$	5272
$t_{ m MMD}$	$\begin{array}{c} 0.08173_{-0.017} \\ 0.0917_{-0.025}^{+0.024} \\ 0.08171_{-0.019}^{+0.015} \end{array}$	$0.10334_{-0.014}^{+0.013}$	1992	$0.01681^{+0.0034}_{-0.0038}$	$0.02112^{+0.0029}_{-0.0031}$	2247
$t_{ m NPLM}$	$0.00673^{+0.0019}_{-0.0024}$	$0.00815^{+0.0017}_{-0.0019}$	3189		$0.00253^{+0.00053}_{-0.0006}$ $0.00206^{+0.00037}_{-0.00043}$	3371
$t_{ m NPLM}$	$\begin{array}{c} -0.019 \\ 0.00673 \begin{array}{c} -0.0019 \\ -0.0024 \\ 0.00529 \begin{array}{c} +0.0013 \\ -0.0016 \end{array} \end{array}$	$\begin{array}{c} 0.003031_{-0.019} \\ 0.00766_{-0.0023}^{+0.0023} \\ 0.07079_{-0.014}^{+0.012} \\ 0.11605_{-0.022}^{+0.012} \\ 0.10334_{-0.014}^{+0.013} \\ 0.00815_{-0.0019}^{+0.0017} \\ 0.00638_{-0.0013}^{+0.0013} \end{array}$	36413	$0.0017^{+0.00041}_{-0.00055}$	$0.00206^{+0.00037}_{-0.00043}$	39160
$t_{ m LLR}$	$\begin{array}{c c} 0.00529_{-0.0016} \\ 6e - 05_{-4e - 05}^{+4e - 05} \end{array}$	$9e - 05^{+4e - 05}_{-4e - 05}$	5633	$1e - 05^{+1e - 05}_{-1e - 05}$	$2e - 05^{+1e - 05}_{-1e - 05}$	6765
$\Sigma_{i \neq j}$ -deformation				pow <sub>+</sub> -deformation		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$0.03936^{+0.01}_{-0.014}$	$0.05165^{+0.0081}_{-0.01}$	3389	$\begin{array}{c c} 0.00863^{+0.0022}_{-0.0029} \\ 0.00049^{+0.0003}_{-0.00024} \end{array}$	$0.01123^{+0.002}_{-0.0024}$	<b>784</b>
$t_{\overline{ ext{KS}}}$	$1.00219_{-0.0017}^{+0.00074}$	$1.00219^{+0.00098}$	10626	$0.00049^{+0.0003}_{-0.00024}$	$0.00084^{+0.00031}_{-0.00032}$	1622
$t_{ m SKS}$	$0.04286^{+0.011}_{-0.015}$	$0.0552^{+0.0099}_{-0.012} \\ 0.00879^{+0.0013}_{-0.0014}$	3693	$0.0077^{+0.0013}_{-0.002}$	$\begin{array}{c} -0.0024 \\ -0.00084 \\ -0.00032 \\ 0.00961 \\ -0.0013 \\ 0.01473 \\ -0.0023 \\ 0.01473 \\ -0.0023 \\ 0.0011 \end{array}$	822
$t_{ m FGD}$	$0.0069^{+0.0015}_{-0.0018}$	$0.00879^{+0.0013}_{-0.0014}$	9386	$0.01177^{+0.0023}_{-0.0029}$	$0.01473^{+0.002}_{-0.0023}$	4103
$t_{ m MMD}$	$\begin{array}{c} 0.03930_{-0.014} \\ 1.00219_{-0.0017}^{+0.00074} \\ 0.04286_{-0.015}^{+0.011} \\ \textbf{0.0069}_{-0.0018}^{+0.0015} \\ 0.02739_{-0.0088}^{+0.0079} \\ 0.0033_{-0.0014}^{+0.0013} \\ 0.01153_{-0.0053}^{+0.0044} \end{array}$	$\begin{array}{c} 0.00313_{-0.0014} \\ 0.0351_{-0.0078}^{+0.007} \\ 0.0042_{-0.0012}^{+0.0012} \end{array}$	6531	$\begin{array}{c} 0.00018_{-0.00024} \\ 0.0077_{-0.002}^{+0.0013} \\ 0.01177_{-0.0029}^{+0.0012} \\ 0.00608_{-0.0014}^{+0.0012} \end{array}$	$0.00762^{+0.0021}_{-0.0011}$	2406
$t_{ m NPLM}$	$0.0033^{+0.0013}_{-0.0014}$	$0.0042^{+0.0012}_{-0.0012}$	6951	$\begin{array}{c} 0.00608^{+0.0012}_{-0.0014} \\ 0.00079^{+0.00023}_{-0.0003} \end{array}$	$0.00762_{-0.0011}^{+0.0011} \\ 0.00097_{-0.00024}^{+0.00019}$	3566
$t_{ m NPLM}$	$0.01153^{+0.0044}_{-0.0053}$	$0.0042^{+0.0012}_{-0.0045}$ $0.01526^{+0.0041}_{-0.0045}$	37782	$0.00065^{+0.00016}_{-0.0002}$	$0.00079^{+0.00014}_{-0.00016}$	44215
$t_{ m LLR}$	-	-	-	$\begin{array}{c} 0.00079^{+0.00023}_{-0.0003} \\ 0.00065^{+0.00016}_{-0.0002} \\ 0.0^{+1e-05} \end{array}$	$1e - 05^{+0}_{-1e-05}$	5652
powdeformation				$\mathcal{N}$ -deformation		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$0.00879^{+5}_{-0.003}$	$0.01149^{+5}_{-0.0025}$	703	$0.27003^{+0.034}_{-0.053}$	$0.31096^{+0.026}_{-0.036}$	659
$t_{\overline{ ext{KS}}}$	$0.0005^{+0.00031}_{-0.00025}$	$0.01149^{+5}_{-0.0025} \ 0.00085^{+0.00033}_{-0.00034}$	832	$0.01686^{+0.0067}_{-0.0081}$	$0.02454^{+0.0062}_{-0.0071}$	730
$t_{ m SKS}$	$0.00767^{+0.0014}$	$0.00962^{+0.0011}_{-0.0015}$	840	$0.23297^{+0.032}$	$0.26623^{+0.028}$	705
$t_{\rm ECD}$	$0.0118^{+0.0024}$	$0.01489^{+0.002}$	4175	$0.23954_{-0.034}^{+0.023}$	$0.26901^{+0.019}_{-0.021}$	3372
$t_{ m MMD}$	$\begin{array}{c} 0.0118^{+0.0021}_{-0.003} \\ 0.0118^{+0.0024}_{-0.003} \\ 0.00568^{+0.0017}_{-0.0018} \end{array}$	$0.01489^{+0.002}_{-0.0023}$ $0.00733^{+0.0015}_{-0.0015}$	2584	$1.01706^{+0.091}_{-0.13}$	$1.14737^{+0.064}_{-0.077}$	1740
$t_{ m NPLM}$	$0.00087^{+0.00026}_{-0.00033}$	$0.00105^{+0.00022}_{-0.00027}$	3517	$0.16947^{+0.04}_{-0.057}$	$0.20016^{+0.034}_{-0.041}$	2558
$t_{ m NPLM}$	$0.00071^{+0.00019}_{-0.00023}$	$\begin{array}{c} 0.00733_{-0.0015}^{+0.0015} \\ 0.00105_{-0.00027}^{+0.00027} \\ 0.00086_{-0.0002}^{+0.00016} \end{array}$	43019	$\begin{array}{c} 0.23267_{-0.049}^{+0.049} \\ 0.23954_{-0.034}^{+0.023} \\ 1.01706_{-0.13}^{+0.091} \\ 0.16947_{-0.057}^{+0.04} \\ 0.10665_{-0.029}^{+0.021} \end{array}$	$\begin{array}{c} 0.26901^{+0.019}_{-0.021} \\ 0.26901^{+0.019}_{-0.021} \\ 1.14737^{+0.064}_{-0.077} \\ 0.20016^{+0.034}_{-0.041} \\ 0.1233^{+0.016}_{-0.021} \end{array}$	30451
$t_{ m LLR}$	$\begin{array}{c} 0.0176_{-0.003} \\ 0.00568_{-0.0017} \\ 0.00087_{-0.00033}^{+0.00026} \\ 0.00071_{-0.00023}^{+0.00019} \\ 0.0_{-0}^{+1e-05} \end{array}$	$1e - 05^{+0}_{-1e-05}$	7345	-	-	-
$\mathcal{U} ext{-} ext{deformation}$			Timing			
Statistic	$\epsilon_{95\%{ m CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$t^{\text{null}}$ (s)		
$t_{ m SW}$	$0.46758^{+0.057}_{-0.092}$	$0.53846^{+0.045}_{-0.062}$	626	313		
$t_{\overline{ ext{KS}}}$	$\mid 0.02575^{+0.01}_{-0.012} \mid$	$0.03716^{+0.0098}_{-0.01}$	716	545		
$t_{ m SKS}$	$0.40136^{+0.059}_{-0.083}$	$0.46142^{+0.03}_{-0.057}$	687	618		
$t_{ m FGD}$	$0.41583^{+0.039}_{-0.059}$	$0.46699^{+0.033}_{-0.04}$	3032	7869		
$t_{ m MMD}$	$1.75184^{+0.17}_{-0.22}$	$1.9784^{+0.13}_{-0.15}$	1931	2411		
$t_{ m NPLM}$	$0.29536^{+0.073}$	$0.34557^{+0.053}_{-0.066}$	2439	4682		
$t_{ m NPLM}$	$0.18445^{+0.035}_{-0.049}$	$0.2115^{+0.029}_{-0.033}$	29082	65640		
$t_{ m LLR}$	-	-	-	-		