	μ -deformation			Σ_{ii} -deformation		
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%{ m CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$ \begin{array}{c} 0.09192^{+0.035}_{-0.035} \\ \textbf{0.00496}^{+0.0017}_{-0.0017} \\ 0.05494^{+0.019}_{-0.019} \\ 0.10354^{+0.09}_{-0.044} \\ 0.06434^{+0.035}_{-0.025} \\ 0.00078^{+0.00047}_{-0.00047} \end{array} $	$0.12363^{+0.035}_{-0.032}$	1353	$0.03015^{+0.0085}_{-0.0099}$	$0.04164^{+0.0081}_{-0.0086}$	1531
$t_{\overline{ ext{KS}}}$	$0.00496^{+0.0017}_{-0.0017}$	$0.00664_{-0.0017}^{+0.0015}$	1539	$\begin{array}{c} \textbf{0.00274} \begin{array}{c} \textbf{-0.00963} \\ \textbf{0.00274} \begin{array}{c} \textbf{-0.00063} \\ \textbf{-0.0069} \\ \textbf{0.01644} \begin{array}{c} \textbf{-0.0045} \\ \textbf{-0.0045} \\ \textbf{0.0327} \begin{array}{c} \textbf{-0.010} \\ \textbf{-0.010} \end{array} \end{array}$	$0.00353^{+0.00059}_{-0.00064}$	1626
$t_{ m SKS}$	$0.05494^{+0.019}_{-0.019}$	$0.07242^{+0.018}_{-0.018}$	1748	$0.01644^{+0.0038}_{-0.0045}$	$0.02223^{+0.0033}_{-0.0038}$	1888
$t_{ m FGD}$	$0.10354^{+0.06}_{-0.044}$	$0.14117^{+0.056}_{-0.042}$	1278	$0.0327^{+0.0089}_{-0.01}$	$0.0444^{+0.0077}_{-0.0077}$	1270
$t_{ m MMD}$	$0.06434^{+0.035}_{-0.025}$	$0.08544^{+0.033}_{-0.025}$	1344	$0.01392^{+0.0034}_{-0.0046}$	$0.0188^{+0.005}_{-0.0044}$	1497
$t_{ m LLR}$	$0.00078^{+0.00047}_{-0.00047}$	$\begin{array}{c} \textbf{0.12303}_{-0.032} \\ \textbf{0.00664}_{-0.0017}^{+0.0015} \\ \textbf{0.07242}_{-0.018}^{+0.018} \\ \textbf{0.14117}_{-0.042}^{+0.056} \\ \textbf{0.08544}_{-0.025}^{+0.033} \\ \textbf{0.0011}_{-0.00047}^{+0.00047} \end{array}$	2810	$0.00027^{+0.00016}_{-0.00016}$	$\begin{array}{c} \textbf{0.01161} \begin{array}{c} -0.0086 \\ \textbf{0.00353} \begin{array}{c} +0.00059 \\ -0.00064 \\ 0.02223 \begin{array}{c} +0.0038 \\ -0.0038 \\ 0.0444 \begin{array}{c} +0.0077 \\ -0.0077 \\ 0.0188 \begin{array}{c} +0.005 \\ -0.0044 \\ 0.00037 \begin{array}{c} +0.00017 \\ -0.00016 \\ \end{array} \end{array}$	3000
$\Sigma_{i \neq j}$ -deformation			pow_+ -deformation			
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$0.02827^{+0.006}_{-0.0083}$	$0.03864^{+0.0056}_{-0.0063}$	1766	$0.01845^{+0.0052}_{-0.0061}$	$0.0255^{+0.0047}_{-0.0053}$	1259
$t_{\overline{ ext{KS}}}$	$1.00317^{+0}_{-0.0013}$	$1.00354^{+0.00012}$	1651	$0.00345^{+0.00099}_{-0.0011}$	$0.00444^{+0.00096}_{-0.00097}$	1612
$t_{ m SKS}$	$0.02595^{+0.0071}_{-0.0081}$	$0.0347^{+0.0062}_{-0.0073}$	1941	$0.0106^{+0.0024}_{-0.0027}$	$0.01405^{+0.0021}_{-0.0023}$	1807
$t_{ m FGD}$	$0.01229^{+0.0032}_{-0.0034}$	$\begin{array}{c} 1.00394_{-0.00043} \\ 0.0347_{-0.0073}^{+0.0062} \\ \textbf{0.01728}_{-0.0028}^{+0.0027} \\ 0.03162_{-0.0076}^{+0.0081} \\ \end{array}$	2040	$\begin{array}{c} -0.0106^{+0.0024}_{-0.0027} \\ 0.0106^{+0.0027}_{-0.006} \\ 0.01964^{+0.0054}_{-0.006} \\ 0.00788^{+0.0032}_{-0.0027} \end{array}$	$0.01405^{+0.0021}_{-0.0023} \\ 0.02668^{+0.0046}_{-0.0048}$	1294
$t_{ m MMD}$	$0.02322^{+0.0085}$	$0.03162^{+0.0081}_{-0.0076}$	2024	$0.00788^{+0.0032}_{-0.0027}$	$0.01064^{+0.003}_{-0.0024}$	1518
$t_{ m LLR}$	$0.04301_{-0.02}^{+0.016}$	$0.0542^{+0.015}_{-0.015}$	4164	$\begin{array}{c} 0.00788_{-0.0027} \\ 0.00041_{-0.00025}^{+0.00025} \end{array}$	$0.00057^{+0.00025}_{-0.00025}$	3017
powdeformation				$\mathcal{N} ext{-} ext{deformation}$		
Statistic	$\epsilon_{95\%{ m CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\mid \epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$ \begin{array}{c} 0.01989^{+0.0056}_{-0.0064} \\ \textbf{0.00317}^{+0.0009}_{-0.00089} \\ 0.01066^{+0.0023}_{-0.0027} \\ 0.02088^{+0.0059}_{-0.0061} \\ 0.00858^{+0.0037}_{-0.0032} \\ 0.00036^{+0.00025}_{-0.00025} \end{array}$	$\begin{array}{c} 0.0273^{+0.0052}_{-0.0055} \\ \textbf{0.00416}^{+0.0009}_{-0.00083} \\ 0.01407^{+0.0021}_{-0.0022} \end{array}$	$\boldsymbol{1221}$	$\begin{array}{c} 0.25306^{+0.031}_{-0.043} \\ \textbf{0.00921}^{+0.0016}_{-0.0017} \\ 0.18137^{+0.025}_{-0.036} \end{array}$	$\begin{array}{c} 0.29897^{+0.026}_{-0.029} \\ \textbf{0.01112}^{+0.0016}_{-0.0016} \\ 0.21312^{+0.023}_{-0.025} \\ 0.34516^{+0.022}_{-0.026} \\ 0.43162^{+0.041}_{-0.039} \end{array}$	1050
$t_{\overline{ ext{KS}}}$	$0.00317^{+0.0009}_{-0.00089}$	$0.00416^{+0.0009}_{-0.00083}$	1634	$0.00921_{-0.0017}^{+0.0016}$	$0.01112^{+0.0016}_{-0.0016}$	1496
$t_{ m SKS}$	$0.01066^{+0.0023}_{-0.0027}$	$0.01407^{+0.0021}_{-0.0022}$	1804	$0.18137^{+0.025}_{-0.036}$	$0.21312^{+0.023}_{-0.025}$	1551
$t_{ m FGD}$	$0.02088^{+0.0059}_{-0.0061}$	$0.02847^{+0.005}_{-0.005}$	1300	$0.29378^{+0.029}_{-0.045}$	$0.34516^{+0.022}_{-0.026}$	1080
$t_{ m MMD}$	$0.00858^{+0.0037}_{-0.0032}$	$0.01169^{+0.0034}_{-0.003}$	1550	$\begin{array}{c} -0.029 \\ 0.29378 {}^{+0.029}_{-0.045} \\ 0.37502 {}^{+0.046}_{-0.064} \end{array}$	$0.43162^{+0.041}_{-0.039}$	1240
$t_{ m LLR}$	$0.00036^{+0.00025}_{-0.00025}$	$\begin{array}{c} -0.0025 \\ -0.02847^{+0.005}_{-0.005} \\ 0.01169^{+0.003}_{-0.003} \\ 0.00053^{+0.00025}_{-0.00025} \end{array}$	3139	-	-	
$\mathcal{U} ext{-} ext{deformation}$				Timing		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	t^{null} (s)		
$t_{ m SW}$	$0.4365^{+0.054}_{-0.078}$	$0.51675^{+0.039}_{-0.053}$	988	261		
$t_{\overline{ ext{KS}}}$	$0.01504^{+0.0026}_{-0.0027}$	$0.01804^{+0.0022}_{-0.0026}$	1510	37		
$t_{ m SKS}$	$0.30846^{+0.044}_{-0.057}$	$0.36537^{+0.036}_{-0.045}$	1513	352		
$t_{ m FGD}$	$0.50798^{+0.053}_{-0.076}$	$0.59684^{+0.038}_{-0.049}$	1030	368		
$t_{ m MMD}$	$0.64544^{+0.087}_{-0.099}$	$0.7501^{+0.064}_{-0.067}$	1231	215		
$t_{ m LLR}$	_	-	-	_		