	μ -deformation			Σ_{ii} -deformation		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$0.09192^{+0.035}_{-0.035}$	$0.12363^{+0.035}_{-0.032}$	1353	$0.03015^{+0.0085}_{-0.0099}$	$0.04164^{+0.0081}_{-0.0086}$	1531
$t_{\overline{ ext{KS}}}$	$0.00496^{+0.0017}_{-0.0017}$	$0.00664^{+0.0015}$	1539	$0.00274^{+0.00063}$	$\begin{array}{c} \textbf{0.00353} \begin{array}{c} +0.00059 \\ -0.00064 \\ 0.02223 \begin{array}{c} +0.0033 \\ -0.0038 \end{array} \end{array}$	1626
$t_{ m SKS}$	$0.05494^{+0.019}_{-0.010}$	$0.07242^{+0.018}_{-0.018}$	1748	$0.01644^{+0.0038}$	$0.02223^{+0.0033}_{-0.0038}$	1888
$t_{ m FGD}$	$0.10354^{+0.06}_{-0.044}$	$\begin{array}{c} 0.00042_{-0.0017} \\ 0.07242_{-0.018}^{+0.018} \\ 0.14117_{-0.042}^{+0.056} \\ \end{array}$	1278	$0.0327^{+0.0089}_{-0.01}$	$0.0444^{+0.0077}_{-0.0077}$ $0.0188^{+0.005}_{-0.0044}$	1270
$t_{ m MMD}$	$0.06434^{+0.035}_{-0.025}$	$0.08544^{+0.035}_{-0.025}$	1344	$0.01392^{+0.0054}_{-0.004c}$	$0.0188^{+0.005}_{-0.0044}$	1497
$t_{ m LLR}$	$\begin{array}{c} 0.10354^{+0.06}_{-0.044} \\ 0.10354^{+0.08}_{-0.044} \\ 0.06434^{+0.035}_{-0.025} \\ 0.00078^{+0.00047}_{-0.00047} \end{array}$	$0.0011_{-0.00047}^{+0.00047}$	2810	$0.00027^{+0.00016}_{-0.00016}$	$0.00037^{+0.00017}_{-0.00016}$	3000
$\Sigma_{i\neq j}$ -deformation				pow_+ -deformation		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$\begin{array}{c c} 0.05949^{+0.013}_{-0.018} \\ 1.00317^{+0}_{-0.0013} \end{array}$	$0.08161^{+0.01}_{-0.014} \\ 1.00354^{+0.00012}_{-0.00043}$	1421	$\begin{array}{c} 0.01845^{+0.0052}_{-0.0061} \\ 0.00345^{+0.00099}_{-0.00011} \end{array}$	$\begin{array}{c} 0.0255^{+0.0047}_{-0.0053} \\ 0.00444^{+0.00096}_{-0.00097} \\ 0.01405^{+0.0021}_{-0.0023} \\ 0.02668^{+0.0046}_{-0.0048} \\ 0.01064^{+0.003} \end{array}$	1259
$t_{\overline{ ext{KS}}}$	$1.00317^{+0}_{-0.0013}$	$1.00354_{-0.00043}^{+0.0012}$	1384	$0.00345^{+0.000199}_{-0.0011}$	$0.00444^{+0.00096}_{-0.00097}$	1612
$t_{ m SKS}$	$0.05701^{+0.015}_{-0.018}$	$0.0746^{+0.014}_{-0.014}$	1593	$0.0106^{+0.0024}_{-0.0027}$	$0.01405^{+0.0021}_{-0.0023}$	1807
$t_{ m FGD}$	$\begin{array}{c} 0.05701^{+0.015}_{-0.018} \\ 0.05701^{+0.015}_{-0.018} \\ \textbf{0.02441}^{+0.006}_{-0.0062} \\ 0.04929^{+0.019}_{-0.017} \end{array}$	$\begin{array}{c} 0.0746^{+0.014}_{-0.014} \\ 0.0746^{+0.014}_{-0.014} \\ \textbf{0.03421}^{+0.005}_{-0.0056} \\ 0.06712^{+0.017}_{-0.015} \end{array}$	1648	$0.01964_{-0.006}^{+0.0054}$	$0.02668^{+0.0046}_{-0.0048}$	1294
$t_{ m MMD}$	$0.04929^{+0.019}_{-0.017}$	$0.06712^{+0.017}_{-0.015}$	1607	$0.00788^{+0.0032}_{-0.0027}$	$0.01064^{+0.003}_{-0.0024}$	1518
$t_{ m LLR}$	-	-	-	$\begin{array}{c} 0.00015 - 0.0011 \\ 0.0106^{+0.0027}_{-0.0027} \\ 0.01964^{+0.0054}_{-0.006} \\ 0.00788^{+0.0032}_{-0.0027} \\ 0.00041^{+0.00025}_{-0.00025} \end{array}$	$\begin{array}{c} 0.01064^{+0.003}_{-0.0024} \\ 0.00057^{+0.00025}_{-0.00025} \end{array}$	3017
$pow\deformation$				$\mathcal{N} ext{-} ext{deformation}$		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	$t ext{ (s)}$
$t_{ m SW}$	$0.01989^{+0.0056}_{-0.0064}$	$0.0273^{+0.0052}_{-0.0055}$	1221	$0.25306^{+0.031}_{-0.043}$	$0.29897^{+0.026}_{-0.029}$	1050
$t_{\overline{ ext{KS}}}$	$0.00317^{+0.0009}_{-0.00089}$	$0.00416^{+0.0009}_{-0.00083}$	1634	$0.00921^{+0.0016}_{-0.0017}$	$0.01112^{+0.0016}_{-0.0016}$	1496
$t_{ m SKS}$		$0.01407^{+0.0021}_{-0.0022}$	1804	$0.18137^{+0.025}_{-0.036}$	$0.21312^{+0.023}_{-0.025}$	1551
$t_{ m FGD}$	$\begin{array}{c} 0.01066^{+0.0023}_{-0.0027} \\ 0.02088^{+0.0059}_{-0.0061} \end{array}$	$0.02847^{+0.005}_{-0.005}$ $0.01169^{+0.0034}_{-0.003}$	1300	$0.29378^{+0.029}_{-0.045}$	$0.34516_{-0.026}^{+0.022}$	1080
$t_{ m MMD}$	$0.00858^{+0.0037}_{-0.0032}$	$0.01169^{+0.0034}_{-0.003}$	1550	$0.37502_{-0.064}^{+0.046}$	$0.43162^{+0.041}_{-0.039}$	1240
$t_{ m LLR}$	$0.00036^{+0.00025}_{-0.00025}$	$0.00053^{+0.00025}_{-0.00025}$	3139	-	-	-
$\mathcal{U} ext{-} ext{deformation}$				Timing		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	t^{null} (s)		
$t_{ m SW}$	$ \begin{array}{c} 0.4365^{+0.054}_{-0.078} \\ \textbf{0.01504}^{+0.0026}_{-0.0027} \\ 0.30846^{+0.044}_{-0.057} \\ 0.50798^{+0.053}_{-0.076} \\ 0.64544^{+0.087}_{-0.099} \end{array} $	$0.51675^{+0.039}_{-0.053}$ $0.01804^{+0.0022}_{-0.0026}$ $0.36537^{+0.036}_{-0.045}$ $0.59684^{+0.038}_{-0.049}$	988	261		
$t_{\overline{ ext{KS}}}$	$0.01504^{+0.0026}_{-0.0027}$	$0.01804_{-0.0026}^{+0.0022}$	1510	37		
$t_{ m SKS}$	$0.30846^{+0.044}_{-0.057}$	$0.36537^{+0.036}_{-0.045}$	1513	352		
$t_{ m FGD}$	$0.50798^{+0.053}_{-0.076}$	$0.59684_{-0.049}^{+0.038}$	1030	368		
$t_{ m MMD}$	$0.64544^{+0.087}_{-0.099}$	$0.7501^{+0.064}_{-0.067}$	1231	215		
$t_{ m LLR}$	_	_	_	_		