	$\mu$ -deformation			$\Sigma_{ii}$ -deformation		
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$0.10336^{+0.043}_{-0.05}$	$0.14324_{-0.042}^{+0.041}$	2857	$0.03566^{+0.012}_{-0.016}$	$0.05015^{+0.011}_{-0.012}$	3009
$t_{\overline{ ext{KS}}}$	$0.01015^{+0.0036}_{-0.0047}$	$0.01446^{+0.003}_{-0.0037}$	2986	$0.00383^{+0.0013}_{-0.0018}$	$0.00553^{+0.0011}$	4100
$t_{ m SKS}$	$0.077^{+0.028}$	$0.10525^{+0.026}_{-0.028}$	2895	$0.02882^{+0.0073}_{-0.011}$	$0.03931^{+0.0061}_{-0.0077}$	3084
$t_{ m FGD}$	$0.11749^{+0.064}_{-0.065}$	$0.16099^{+0.058}_{-0.051}$	2648	$0.03943^{+0.015}_{-0.02}$	$0.05428^{+0.012}_{-0.013}$	2802
$t_{ m MMD}$	$0.09451^{+0.053}_{-0.049}$	$0.13746^{+0.048}_{-0.041}$	2986	$0.01941^{+0.014}_{-0.011}$	$0.02836^{+0.013}_{-0.0099}$	3318
$t_{ m LLR}$	$0.00045^{+0.00029}_{-0.0003}$	$0.00063^{+0.0003}_{-0.00029}$	4508	$0.00019_{-0.00011}^{+0.00011}$	$\begin{array}{c} 0.0393 ^{+0.0061}_{-0.0077} \\ 0.0393 ^{+0.0061}_{-0.0077} \\ 0.05428 ^{+0.012}_{-0.013} \\ 0.02836 ^{+0.013}_{-0.0099} \\ 0.00025 ^{+0.00011}_{-0.00011} \end{array}$	4775
$\Sigma_{i \neq j}$ -deformation				$pow_{\perp}$ -deformation		
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathrm{pow}_{+}}$	t (s)
$t_{ m SW}$	$0.00818^{+0.0025}_{-0.0036}$	$0.01152^{+0.0022}_{-0.0026}$	2001	$0.01246^{+0.0042}_{-0.0056}$	$0.01744^{+0.0037}_{-0.0043}$	3165
$t_{\overline{ ext{KS}}}$	$0.0007^{+0.00033}_{-0.0035}$	$0.00107^{+0.00031}_{-0.00033}$	1987	$0.0009^{+0.00037}_{-0.00045}$	$0.00135^{+0.00036}_{-0.0004}$	3352
$t_{ m SKS}$	$0.00523^{+0.002}_{-0.0025}$	$0.00720 \pm 0.0018$	2127	$0.00964^{+0.0022}_{-0.0036}$	$0.0128^{+0.0018}_{-0.0023}$	3235
$t_{ m FGD}$	$\begin{array}{c} -0.0033\\ 0.00523^{+0.0025}_{-0.0025}\\ 0.00585^{+0.0019}_{-0.0028} \end{array}$	$0.00738_{-0.0021}^{+0.0016}$ $0.00813_{-0.0018}^{+0.0016}$	2074	$0.01467^{+0.0048}_{-0.0071}$	$0.02004^{+0.0038}_{-0.0045}$	3053
$t_{ m MMD}$	$0.01137^{+0.0057}_{-0.0056}$	$0.01659^{+0.0051}_{-0.0045}$	2168	$0.00694^{+0.0043}_{-0.0038}$	$0.01013^{+0.0039}_{-0.0032}$	3484
$t_{ m LLR}$	$1e - 05^{+0}_{-1e-05}$	$1e - 05^{+1}_{-0}^{+0045}$	5488	$4e - 05 \begin{array}{c} -0.0033 \\ +2e - 05 \\ -2e - 05 \end{array}$	$5e - 05^{+3e-05}_{-2e-05}$	5090
$pow\deformation$				$\mathcal{N} ext{-} ext{deformation}$		
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathrm{pow}_{-}}$	t (s)	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathcal{N}}$	t (s)
$t_{ m SW}$	$\begin{array}{ c c c c c c }\hline 0.01291^{+5}_{-0.0058} \\ \textbf{0.00086}^{+0.00038}_{-0.00044} \\ \hline \end{array}$	$0.01815_{-0.0044}^{+5} \\ 0.00131_{-0.0004}^{+0.00036}$	2868	$\begin{array}{c} 0.28537^{+0.045}_{-0.078} \\ \textbf{0.01343}^{+0.0054}_{-0.0059} \end{array}$	$0.34154^{+0.036}_{-0.047}$	2665
$t_{\overline{ ext{KS}}}$	$0.00086^{+0.00038}_{-0.00044}$	$0.00131^{+0.00036}_{-0.0004}$	3366	$0.01343^{+0.0054}_{-0.0059}$	$0.01949^{+0.0055}_{-0.0056}$	2995
$t_{ m SKS}$	$0.00941^{+0.0025}_{-0.0038}$	$0.01264^{+0.002}_{-0.0026}$	3294	$0.23623^{+0.041}_{-0.066}$	$0.28319^{+0.034}_{-0.043}$	2697
$t_{ m FGD}$	$0.01513^{+0.005}_{-0.0072}$	$0.02076^{+0.004}_{-0.0046}$	3177	$0.26462^{+0.041}_{-0.074}$	$0.31263^{+0.027}_{-0.037}$	2633
$t_{ m MMD}$	0.00101 0.004	$0.01111^{+0.0041}_{-0.0024}$	3434	$0.63143^{+0.1}_{-0.17}$	$0.31263_{-0.037}^{+0.027} \\ 0.75933_{-0.081}^{+0.072}$	<b>2412</b>
$t_{ m LLR}$	$3e - 05^{+2e - 05}_{-2e - 05}$	$4e - 05^{+3e-05}_{-2e-05}$	5062	-	-	-
$\mathcal{U} ext{-} ext{deformation}$			Timing			
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathcal{U}}$	t (s)	$t^{\text{null}}$ (s)		
$t_{ m SW}$	$0.49337^{+0.08}_{-0.13}$	$0.58844^{+0.061}_{-0.077} \\ 0.02948^{+0.0081}_{-0.008}$	2579	276		
$t_{\overline{ ext{KS}}}$	$0.02061^{+0.0077}$	$0.02948^{+0.0081}_{-0.008}$	2893	109		
$t_{ m SKS}$	$0.40577^{+0.074}_{-0.11}$	$0.48809^{+0.06}_{-0.075}$	2643	351		
$t_{ m FGD}$	$\begin{array}{c} 0.40577_{-0.11}^{+0.074} \\ 0.45746_{-0.13}^{+0.072} \\ \end{array}$	$0.48809^{+0.06}_{-0.075}$ $0.54235^{+0.048}_{-0.065}$	2641	550		
$t_{ m MMD}$	$1.09848_{-0.28}^{+0.17}$	$1.32688^{+0.11}_{-0.15}$	<b>2438</b>	272		
$t_{ m LLR}$	_	_	_	_		