$\mu$ -deformation				$\Sigma_{ii}$ -deformation		
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\% ext{CL}}$	t (s)	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\% ext{CL}}$	t (s)
$t_{ m SW}$	$0.09504^{+0.024}_{-0.028}$	$0.12338^{+0.023}_{-0.024}$	648	$0.03044^{+0.0066}_{-0.0084}$	$0.03963^{+0.0061}_{-0.0067}$	711
$t_{\overline{ ext{KS}}}$	$0.00787^{+0.0031}_{-0.0029}$	$0.01207^{+0.0034}_{-0.0032}$	1244	$0.00217^{+0.0011}_{-0.00099}$	$0.00375^{+0.0011}_{-0.0012}$	1389
$t_{ m SKS}$	$0.07672^{+0.018}_{-0.021}$	$0.10153^{+0.016}_{-0.018}$	688	$0.02687^{+0.0041}_{-0.0056}$	$0.0345^{+0.0036}_{-0.004}$	736
$t_{ m FGD}$	$\begin{array}{c} 0.07672^{+0.018}_{-0.021} \\ 0.13134^{+0.032}_{-0.034} \end{array}$	$0.16599_{-0.028}^{+0.028} \ 0.14183_{-0.026}^{+0.023}$	2715	$0.04142^{+0.0081}_{-0.01}$	$0.05232^{+0.0067}_{-0.0074}$	2955
$t_{ m MMD}$	$0.10962^{+0.028}_{-0.035}$	$0.14183^{+0.023}_{-0.026}$	1350	$0.02117^{+0.007}_{-0.0078}$	$0.02757^{+0.0062}_{-0.0064}$	1536
$t_{ m LLR}$	$9e - 05^{+6e - 05}_{-6e - 05}$	$0.00012^{+6e-05}_{-6e-05}$	3225	$2e - 05^{+1}_{-1}e^{-05}_{-05}$	$2e - 05^{+2e - 05}_{-1e - 05}$	3499
$\Sigma_{i\neq j}$ -deformation				$pow_+$ -deformation		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$0.05622^{+0.011}_{-0.015}$	$0.07365^{+0.0088}_{-0.011}$	3594	$0.01206^{+0.0028}_{-0.0033}$	$0.01579^{+0.0023}_{-0.0028}$	730
$t_{\overline{ ext{KS}}}$	$1.00157^{+0.00038}_{-0.00012}$	$1.00402_{-0.0018}^{+0.00037}$	10395	$0.00084^{+0.00043}_{-0.00041}$	$0.00144^{+0.00041}_{-0.00045}$	1467
$t_{ m SKS}$	$0.0607^{+0.013}_{-0.015}$	$0.07996^{+0.011}_{-0.013}$	4297	$0.01088^{+0.0016}_{-0.0021}$	$0.0139^{+0.0013}_{-0.0015}$	773
$t_{ m FGD}$	$0.00958^{+0.0021}_{-0.0026}$	$0.01249^{+0.0018}_{-0.0019}$	7784	$0.01638^{+0.0032}_{-0.0030}$	$0.02069^{+0.0027}_{-0.003}$	2488
$t_{ m MMD}$	$0.03968^{+0.01}_{-0.012}$	$0.05143^{+0.0089}_{-0.0095}$	5795	$0.00761^{+0.0026}$	$0.00988^{+0.0023}$	1238
$t_{ m LLR}$	-	-	-	$1e - 05^{+0}_{-1e - 05}$	$1e - 05^{+0}_{-1e - 05}$	3842
powdeformation				$\mathcal{N} ext{-} ext{deformation}$		
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$0.01253^{+5}_{-0.0032}$	$0.0164_{-0.0026}^{+5} \\ 0.00147_{-0.00047}^{+0.00042}$	653	$0.32495^{+0.033}_{-0.046}$	$0.37663^{+0.025}_{-0.032}$	617
$t_{\overline{ ext{KS}}}$	$0.00086^{+0.00044}_{-0.00042}$	$0.00147^{+0.00042}_{-0.00047}$	1542	$0.02563^{+0.0081}_{-0.0097}$	$0.03668^{+0.0078}_{-0.008}$	652
$t_{ m SKS}$	$0.01077^{+0.0016}_{-0.0021}$	$0.01376^{+0.0013}_{-0.0015}$	786	$0.27956^{+0.034}_{-0.043}$	$0.32856^{+0.027}_{-0.033}$	657
$t_{ m FGD}$	$\begin{array}{c} 0.01685^{+0.0032}_{-0.0038} \\ 0.00834^{+0.0023}_{-0.0025} \end{array}$	$0.02139^{+0.0026}_{-0.0032}$	3221	$0.28803^{+0.027}_{-0.038}$	$0.32529^{+0.021}_{-0.025}$	2636
$t_{ m MMD}$	$0.00834^{+0.0023}_{-0.0025}$	$0.01083^{+0.002}_{-0.0021}$	1257	$1.17867^{+0.13}_{-0.19}$	$1.33971_{-0.12}^{+0.09}$	731
$t_{ m LLR}$	$1e - 05^{+0}_{-1e-05}$	$1e - 05^{+0.0021}_{-1e-05}$	4903	-	-	-
$\mathcal{U} ext{-} ext{deformation}$				Timing		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$t^{\text{null}}$ (s)		
$t_{ m SW}$	$0.56347^{+0.054}_{-0.083}$	$0.65308^{+0.044}_{-0.056}$	588	285		
$t_{\overline{ ext{KS}}}$	$0.03885^{+0.012}_{-0.015}$	$0.0555^{+0.011}_{-0.012} \\$	644	511		
$t_{ m SKS}$	$0.48383^{+0.061}_{-0.074}$	$0.56865^{+0.048}_{-0.057}$	631	456		
$t_{ m FGD}$	$0.40024 \pm 0.046$	$0.56381^{+0.036}_{-0.047}$	2515	3225		
$t_{ m MMD}$	$\begin{array}{c} 0.49924_{-0.066} \\ 2.02548_{-0.32}^{+0.23} \end{array}$	$2.31727_{-0.2}^{+0.16}$	1113	665		
$t_{ m LLR}$	-	-	-	-		