	II-C	leformation	5, and $n = m = 10^4$ Σ_{ii} -deformation			
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$0.10336^{+0.043}_{-0.05}$	$0.14324^{+0.041}_{-0.042}$	2857	$0.03566^{+0.012}_{-0.016}$	$0.05015^{+0.011}_{-0.012}$	3009
$t_{\overline{ ext{KS}}}$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c} \textbf{0.01421}_{-0.042}^{+0.003} \\ \textbf{0.01446}_{-0.0037}^{+0.003} \\ \textbf{0.10525}_{-0.028}^{+0.026} \\ \textbf{0.16099}_{-0.051}^{+0.058} \\ \textbf{0.13746}_{-0.041}^{+0.048} \\ \textbf{0.0003}_{-0.0031}^{+0.0003} \end{array}$	2986	$0.00383^{+0.0013}_{-0.0018}$	$\begin{array}{c} \textbf{0.00515} = 0.012 \\ \textbf{0.00553} = 0.0011 \\ 0.03931 = 0.0061 \\ -0.0077 \end{array}$	4100
$t_{ m SKS}$	$0.077^{+0.028}_{-0.035}$	$0.10525^{+0.026}_{-0.028}$	2895	$0.02882^{+0.0073}_{-0.011}$	$0.03931^{+0.0061}_{-0.0077}$	3084
$t_{ m FGD}$	$0.11749^{+0.064}_{-0.065}$	$0.16099_{-0.051}^{+0.058}$	2648	$0.03943^{+0.015}_{-0.02}$	0.05.400±0.012	2802
$t_{ m MMD}$	$0.09451_{-0.049}^{+0.053}$	$0.13746^{+0.048}_{-0.041}$	2986	$0.01941^{+0.014}_{-0.011}$	$0.02836_{-0.0099}^{+0.0199}$	3318
$t_{ m LLR}$	$\begin{array}{c} 0.01615 - 0.0047 \\ 0.077 + 0.028 \\ 0.11749 + 0.064 \\ 0.09451 + 0.065 \\ 0.09451 + 0.0029 \\ 0.00045 + 0.00029 \\ \end{array}$	$0.00063^{+0.0003}_{-0.00029}$	4508	$\begin{array}{c} 0.03300 - 0.016 \\ 0.00383 ^{+0.0013}_{-0.0018} \\ 0.02882 ^{+0.0073}_{-0.011} \\ 0.03943 ^{+0.015}_{-0.02} \\ 0.01941 ^{+0.014}_{-0.011} \\ 0.00019 ^{+0.00011}_{-0.00011} \end{array}$	$0.00025^{+0.00011}_{-0.00011}$	4775
$\Sigma_{i \neq j}$ -deformation				pow_+ -deformation		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$0.01359^{+0.004}_{-0.0061}$	$0.01919^{+0.0035}_{-0.0042}$	5172	$0.01246^{+0.0042}_{-0.0056}$	$0.01744^{+0.0037}_{-0.0043}$	3165
$t_{\overline{ ext{KS}}}$	$1.00339^{+0.002}_{-0.0033}$	$1.00597^{+0.0042}_{-0.0022}$ $0.01556^{+0.0038}_{-0.0045}$	4737	$0.0009^{+0.00037}_{-0.00045}$	$0.00135^{+0.00036}_{-0.0004}$	3352
$t_{ m SKS}$	$0.01109^{+0.0042}$	$0.01556_{-0.0045}^{+0.0038}$	5291	$0.00964^{+0.0022}_{-0.0036}$	$0.0128^{+0.0018}_{-0.0023}$	3235
$t_{ m FGD}$	$\begin{array}{c} \textbf{0.006}^{+0.0024}_{-0.0028} \\ \textbf{0.01275}^{+0.0028}_{-0.0067} \\ \end{array}$	$0.00827^{+0.0016}_{-0.0018}$	6427	$\begin{array}{c} 0.01467^{+0.0048}_{-0.0071} \\ 0.00694^{+0.0043}_{-0.0038} \end{array}$	$0.02004_{-0.0045}^{+0.0038}$ $0.01013_{-0.0032}^{+0.0039}$	3053
$t_{ m MMD}$	$0.01275^{+0.0083}_{-0.0067}$	$0.01849^{+0.0077}_{-0.006}$	5682	$0.00694^{+0.0043}_{-0.0038}$		3484
$t_{ m LLR}$	$0.04149^{+0.017}_{-0.019}$	$0.05133^{+0.015}_{-0.015}$	6816	$4e - 05^{+2e-05}_{-2e-05}$	$5e - 05^{+3e - 05}_{-2e - 05}$	5090
$pow\deformation$				$\mathcal{N} ext{-} ext{deformation}$		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%{ m CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$ \begin{array}{c c} 0.01291^{+5}_{-0.0058} \\ \textbf{0.00086}^{+0.00038}_{-0.00044} \\ 0.00941^{+0.0025}_{-0.0038} \\ \end{array} $	$\begin{array}{c} 0.01815^{+5}_{-0.0044} \\ \textbf{0.00131}^{+0.00036}_{-0.0004} \\ 0.01264^{+0.002}_{-0.0026} \\ 0.02076^{+0.004}_{-0.0046} \\ 0.01111^{+0.0041}_{-0.0034} \end{array}$	2868	$\begin{array}{c} 0.28537^{+0.045}_{-0.078} \\ \textbf{0.01343}^{+0.0054}_{-0.0059} \\ 0.23623^{+0.041}_{-0.066} \end{array}$	$\begin{array}{c} 0.34154^{+0.036}_{-0.047} \\ \textbf{0.01949}^{+0.0055}_{-0.0056} \\ 0.28319^{+0.034}_{-0.043} \\ 0.31263^{+0.027}_{-0.037} \\ 0.75933^{+0.072}_{-0.081} \end{array}$	2665
$t_{\overline{ ext{KS}}}$	$0.00086^{+0.00038}_{-0.00044}$	$0.00131^{+0.00036}_{-0.0004}$	3366	$0.01343^{+0.0054}_{-0.0059}$	$0.01949_{-0.0056}^{+0.0055}$	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
$t_{ m MMD}$	$ \begin{array}{c} -0.0055 \\ 0.01513^{+0.005}_{-0.0072} \\ 0.00757^{+0.0046}_{-0.004} \end{array} $	$0.01111^{+0.0041}_{-0.0034}$	3434	$0.63143^{+0.1}_{-0.17}$	$0.75933^{+0.072}_{-0.081}$	2412
$t_{ m LLR}$	$3e - 05^{+2e - 05}_{-2e - 05}$	$4e - 05^{+3e - 05}_{-2e - 05}$	5062	-	-	-
$\mathcal{U} ext{-deformation}$					Timing	
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	t^{null} (s)		
$t_{ m SW}$	$0.49337^{+0.08}_{-0.13}$	$0.58844^{+0.061}_{-0.077}$	2579	276	-	
$t_{\overline{ ext{KS}}}$	$0.02061^{+0.0077}_{-0.0085}$	$0.02948^{+0.0081}_{-0.008}$	2893	109		
$t_{ m SKS}$	$0.40577^{+0.074}_{-0.11}$	0.40000 ± 0.06	2643	351		
$t_{ m FGD}$	$0.45746^{+0.072}_{-0.13}$	$0.48809_{-0.075}^{+0.075} \ 0.54235_{-0.065}^{+0.048}$	2641	550		
$t_{ m MMD}$	$1.09848_{-0.28}^{+0.17}$	$1.32688^{+0.11}_{-0.15}$	2438	272		
$t_{ m LLR}$	-	_	-	_		