	CC	G model with d =	= 5 and	$n = m = 5 \cdot 10^4$		
	μ -c	deformation		Σ_{ii} -deformation		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\% ext{CL}}$	t (s)
$t_{ m SW}$	$0.04284^{+0.023}_{-0.019}$	$0.05813^{+0.022}_{-0.019}$	571	$0.01631^{+0.0056}_{-0.0061}$	$0.02247^{+0.0053}_{-0.0054}$	635
$t_{\overline{ ext{KS}}}$	$0.03969^{+0.019}_{-0.017}$	$0.05257_{-0.017}^{+0.018}$	376	$0.02757^{+0.0098}_{-0.011}$	$0.03802^{+0.0095}_{-0.0096}$	393
t _{SKS}	$0.04511^{+0.023}_{-0.02}$	$0.06047^{+0.022}_{-0.021}$	648	$0.02164^{+0.0077}_{-0.0084}$	$0.02958^{+0.0072}_{-0.0075}$	697
FGD	$0.0398^{+0.029}_{-0.019}$	$0.05631^{+0.026}_{-0.019}$	797	$\mid 0.0131^{+0.0069}_{-0.0056} \mid$	$0.01812^{+0.0063}_{-0.0052}$	828
MMD	$0.05271^{+0.038}_{-0.025}$	$0.07325^{+0.036}_{-0.025}$	8012	$0.01512^{+0.011}_{-0.0072}$	$0.0211^{+0.01}_{-0.0073}$	8413
LLR	$0.01301^{+0.0092}_{-0.009}$	$0.01876^{+0.0091}_{-0.009}$	2396	$0.00271_{-0.0015}^{+0.0012}$	$0.0039_{-0.0015}^{+0.0015}$	3446
	$\Sigma_{i \neq j}$	-deformation		pow_+	-deformation	
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathrm{pow}_{+}}$	t (s)
$t_{ m SW}$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$0.02635^{+0.0041}_{-0.0044}$	1029	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c} 0.00577^{+0.0019}_{-0.0017} \\ 0.00769^{+0.0023}_{-0.0022} \end{array}$	647
$t_{\overline{\mathrm{KS}}}$	$1.02787^{+0.0073}_{-0.009}$	$1.03299^{+0.015}_{-0.0035}$	732	$0.00583^{+0.0024}_{-0.0023}$	$0.00769^{+0.0023}_{-0.0022}$	417
SKS	$0.02437^{+0.007}_{-0.0081}$	$0.03375^{+0.0066}_{-0.0069}$	1128	$0.00469^{+0.002}_{-0.002}$	$0.00617^{+0.002}_{-0.0019}$	736
FGD	$0.00477^{+0.0011}_{-0.0012}$	$0.00662^{+0.00081}_{-0.001}$	1625	$0.00359^{+0.0022}_{-0.0017}$	$0.00496^{+0.002}_{-0.0016}$	927
MMD	$0.02806^{+0.016}_{-0.012}$	$0.03952^{+0.016}_{-0.012}$	8999	$0.00284^{+0.0021}$	$0.00398^{+0.002}_{-0.0014}$	9273
LLR	$0.02739_{-0.013}^{+0.0094}$	$0.0329^{+0.0095}_{-0.0097}$	3207	$0.00098^{+0.00058}_{-0.00057}$	$0.00142^{+0.00058}_{-0.00057}$	3659
powdeformation				$\mathcal{N} ext{-deformation}$		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathrm{pow}_{-}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathcal{N}}$	t (s)
SW	$0.00413^{+5}_{-0.0018}$	$0.00579^{+5}_{-0.0018}$	588	$0.24644^{+0.04}_{-0.049}$	$0.29702^{+0.032}_{-0.038}$	527
$\overline{ ext{KS}}$	$0.00575^{+0.0024}_{-0.0024}$	$0.00763^{+0.0022}_{-0.0022}$	418	$0.20579_{-0.045}^{+0.037}$	$0.24503_{-0.032}^{+0.029}$	362
SKS	$0.0047^{+0.002}_{-0.002}$	$0.00616^{+0.0019}_{-0.0018}$	741	$0.24062^{+0.041}_{-0.055}$	$0.28403^{+0.036}_{-0.039}$	611
FGD	$0.00358^{+0.002}_{-0.0014}$	$0.00501_{-0.0014}^{+0.0018}$	1012	$0.18192^{+0.02}_{-0.025}$	$0.21532^{+0.014}_{-0.016}$	787
MMD	$0.003^{+0.0022}_{-0.0014}$	$0.00421^{+0.0021}_{-0.0015}$	9129	$0.52411^{+0.13}_{-0.12}$	$0.61773^{+0.11}_{-0.098}$	6538
LLR	$0.0011^{+0.00057}_{-0.00058}$	$0.00153_{-0.00057}^{+0.00057}$	3561	-	-	_
$\mathcal{U} ext{-} ext{deformation}$				Timing		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathcal{U}}$	t (s)	t^{null} (s)		
$t_{ m FGD}$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$0.37162^{+0.023}_{-0.026}$	768	1015		
LLR	-	-	-	-		
MMD	$0.90965^{+0.23}_{-0.21}$	$1.06663^{+0.2}_{-0.17}$	7192	13839		
SKS	$0.41645^{+0.071}_{-0.095}$	$0.49422^{+0.057}_{-0.072}$	593	469		
$t_{ m SW}$	$0.42947^{+0.066}$	$0.514_{-0.063}^{+0.054}$	515	305		
$\overline{\mathrm{KS}}$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$0.42387^{+0.05}_{-0.054}$	349	41		