MoG model with $d = 20$, $q = 5$, and $n = m = 10^4$						
Statistic		-deformation	+ (g)	I .	-deformation	+ (g)
	ε _{95%CL}	€99%CL	t (s)	ε _{95%CL}	€99%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
$t_{\overline{ ext{KS}}}$	$0.01015^{+0.0036}_{-0.0047}$	$0.01446^{+0.003}_{-0.0037}$	2986	$0.00383^{+0.0013}_{-0.0018}$	$0.00553^{+0.0011}_{-0.0014}$	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_{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	$0.01941^{+0.014}_{-0.011}$	$0.02836_{-0.0099}^{+0.013}$	3318
$t_{ m NPLM}$	$0.01391^{+0.0035}_{-0.0042}$	$0.01651^{+0.0032}_{-0.0035}$	10785	$0.00338^{+0.00088}_{-0.001}$	$0.00402^{+0.0008}_{-0.00084}$	6917
$t_{ m NPLM}$	$\begin{array}{c} 0.01391_{-0.0042}^{+0.0042} \\ 0.00599_{-0.0021}^{+0.0016} \\ 0.00045_{-0.0003}^{+0.00029} \end{array}$	$0.00693_{-0.0017}^{+0.0014} \\ 0.00063_{-0.00029}^{+0.0003}$	35532	$\begin{array}{c} 0.00338^{+0.001}_{-0.0015} \\ 0.00204^{+0.00056}_{-0.00073} \\ 0.00019^{+0.00011}_{-0.00011} \end{array}$	$0.00238^{+0.0005}_{-0.00061}$	38469
$t_{\rm LLR}$			4508		$0.00025^{+0.00011}_{-0.00011}$	4775
Cr. T. T.	$\Sigma_{i \neq j}$ -deformation			pow ₊ -deformation		
Statistic	ε _{95%CL}	$\epsilon_{99\%\mathrm{CL}}$	t (s)	€95%CL	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$\begin{array}{ c c c c c c }\hline 0.04538^{+0.014}_{-0.021} \\ 1.00339^{+0.002}_{-0.0033} \end{array}$	$0.06378^{+0.011}_{-0.014} \\ 1.00597^{+0.00086}_{-0.0022}$	3377	$\begin{array}{c c} 0.01246^{+0.0042}_{-0.0056} \\ 0.0009^{+0.00037}_{-0.00045} \end{array}$	$0.01744^{+0.0037}_{-0.0043}$	3165
$t_{\overline{ ext{KS}}}$	$1.00339^{+0.002}_{-0.0033}$	$1.00597^{+0.00086}_{-0.0022}$	3500	$0.0009^{+0.00037}_{-0.00045}$	$0.00135^{+0.00036}_{-0.0004}$	3352
$t_{ m SKS}$	$0.04754^{+0.018}_{-0.023}$	$0.06609^{+0.016}_{-0.019}$	3460	$0.00964^{+0.0022}_{-0.0036}$	$0.0128^{+0.0018}_{-0.0023}$	3235
t_{FGD}	$0.01177^{+0.0039}_{-0.0057}$	$0.01637^{+0.0032}_{-0.0037}$	4588	$0.01467^{+0.0048}_{-0.0071}$	$0.02004_{-0.0045}^{+0.0038}$	3053
$t_{ m MMD}$	$0.03683^{+0.022}_{-0.019}$	$0.05299^{+0.02}_{-0.016}$	3815	$0.00694^{+0.0043}_{-0.0033}$	$0.01013^{+0.0039}_{-0.0032}$	3484
$t_{ m NPLM}$	$\begin{array}{c} -0.013 \\ 0.00317 ^{+0.0011}_{-0.0013} \\ 0.00728 ^{+0.0042}_{-0.0042} \end{array}$	$0.00409^{+0.001}_{-0.0011}$	7704	$\begin{array}{c} -0.0038 \\ 0.00125 ^{+0.00033}_{-0.00039} \\ 0.00047 ^{+0.00013}_{-0.00017} \end{array}$	$\begin{array}{c} 0.00149^{+0.00029}_{-0.00032} \\ 0.00054^{+0.00012}_{-0.00014} \end{array}$	7347
$t_{ m NPLM}$	$0.00728^{+0.0042}_{-0.0042}$	$0.00974_{-0.0041}^{+0.0039}$	153599	$0.00047^{+0.00013}_{-0.00017}$	$0.00054^{+0.00012}_{-0.00014}$	41520
$t_{\rm LLR}$	-	-	_	$4e - 05^{+2e - 05}_{-2e - 05}$	$5e - 05^{+3e - 05}_{-2e - 05}$	5090
~	powdeformation			$\mathcal{N} ext{-deformation}$		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$0.01291^{+5}_{-0.0058}$	$0.01815^{+5}_{-0.0044}$	2868	$0.28537^{+0.045}_{-0.078}$	$0.34154^{+0.036}_{-0.047}$	2665
$t_{\overline{ ext{KS}}}$	$0.00086^{+0.00038}$	$0.00131^{+0.00036}_{-0.0004}$	3366	$0.01343^{+0.0054}_{-0.0059}$	$0.01949^{+0.0055}_{-0.0056}$	2995
$t_{ m SKS}$	\perp 0.000 44 \pm 0.0025	$0.01264^{+0.002}_{-0.002}$	3294	$0.23623^{+0.041}_{-0.066}$	$0.28319^{+0.034}_{-0.042}$	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
$t_{ m MMD}$	$\begin{array}{c} 0.00941_{-0.0038}^{+0.0038} \\ 0.01513_{-0.0072}^{+0.005} \\ 0.00757_{-0.004}^{+0.0046} \end{array}$	$0.01111^{+0.0041}_{-0.0034}$	3434		$0.75933^{+0.072}_{-0.081}$	2412
$t_{ m NPLM}$	$0.00126^{+0.00032}_{-0.00038}$	$0.0015^{+0.0003}_{-0.00021}$	7516	$\begin{array}{c c} 0.63143^{+0.1}_{-0.17} \\ 0.12582^{+0.019}_{-0.029} \end{array}$	$0.14099^{+0.016}_{-0.02}$	4100
$t_{ m NPLM}$	$0.00126^{+0.00032}_{-0.00038}$ $0.00048^{+0.00013}_{-0.00017}$	$0.00056^{+0.00011}_{-0.00014}$	44246	$0.05012_{-0.016}^{+0.0087}$	$0.05523_{-0.01}^{+0.008}$	33578
$t_{\rm LLR}$	$3e - 05^{+2e - 05}_{-2e - 05}$	$4e - 05^{+3e - 05}_{-2e - 05}$	5062	-	-	-
	\mathcal{U} -deformation				Timing	
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	t^{null} (s)		
$t_{\rm SW}$	$0.49337^{+0.08}_{-0.13}$	$0.58844^{+0.061}_{-0.077}$	2579	276		
$t_{\overline{ ext{KS}}}$	$0.02061^{+0.0077}$	$0.02948^{+0.0081}_{-0.008}$	2893	109		
$t_{ m SKS}$	$\begin{array}{c} -0.0085 \\ 0.40577^{+0.074} \\ 0.45746^{+0.072} \\ -0.13 \\ 1.09848^{+0.17} \\ \end{array}$	$0.48809^{+0.06}_{-0.075}$	2643	351		
$t_{ m FGD}$	$0.45746^{+0.072}_{-0.13}$	$0.54235^{+0.048}_{-0.065}$	2641	550		
$t_{ m MMD}$	$1.09848^{+0.17}_{-0.28}$	$1.32688^{+0.11}_{-0.15}$	2438	272		
$t_{ m NPLM}$	$0.21737^{+0.032}$	$0.24551^{+0.023}$	3851	6381		
$t_{ m NPLM}$	$0.08566^{+0.017}_{-0.026}$	$0.09535^{+0.015}_{-0.018}$	32385	53967		
$t_{ m LLR}$	-	-	-	-		