

MoG model with $d = 5$ , $q = 3$ and $n = m = 10^5$						
Statistic	$\mu$ -deformation			$\Sigma_{ii}$ -deformation		
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)
$t_{NPLM}$	$0.00292^{+0.00097}_{-0.0011}$	$0.00357^{+0.00091}_{-0.0009}$	22059	$0.00066^{+0.00023}_{-0.00022}$	$0.00081^{+0.00021}_{-0.0002}$	22663
Statistic	$\Sigma_{i \neq j}$ -deformation			$\text{pow}_+$ -deformation		
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)
$t_{NPLM}$	$0.00104^{+0.00036}_{-0.00034}$	$0.0013^{+0.00031}_{-0.0003}$	21232	$0.00043^{+0.00015}_{-0.00015}$	$0.00053^{+0.00014}_{-0.00013}$	35105
Statistic	$\text{pow}_-$ -deformation			$\mathcal{N}$ -deformation		
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)
$t_{NPLM}$	$0.00045^{+0.00017}_{-0.00018}$	$0.00055^{+0.00016}_{-0.00016}$	26557	$0.06184^{+0.0082}_{-0.013}$	$0.0677^{+0.008}_{-0.0084}$	18263
Statistic	$\mathcal{U}$ -deformation			Timing		
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)	$t^{\text{null}}$ (s)		
$t_{NPLM}$	$0.10661^{+0.015}_{-0.022}$	$0.11748^{+0.013}_{-0.015}$	15582	39358		