

MoG model with $d = 100$ , $q = 10$ and $n = m = 5 \cdot 10^4$						
Statistic	$\mu$ -deformation			$t$ (s)	$\Sigma_{ii}$ -deformation	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$			$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$
$t_{NPLM}$	$0.00329^{+0.001}_{-0.0014}$	$0.00402^{+0.00086}_{-0.001}$	48147		$0.00107^{+0.00032}_{-0.00045}$	$0.00131^{+0.00029}_{-0.00034}$
Statistic	$\Sigma_{i \neq j}$ -deformation			$t$ (s)	$\text{pow}_+$ -deformation	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$			$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$
$t_{NPLM}$	$0.01267^{+0.0041}_{-0.006}$	$0.0159^{+0.0033}_{-0.0045}$	48716		$0.00041^{+0.00012}_{-0.00017}$	$0.00051^{+0.0001}_{-0.00013}$
Statistic	$\text{pow}_-$ -deformation			$t$ (s)	$\mathcal{N}$ -deformation	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$			$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$
$t_{NPLM}$	$0.00044^{+0.00014}_{-0.00018}$	$0.00054^{+0.00011}_{-0.00014}$	51633		$0.10096^{+0.02}_{-0.034}$	$0.11511^{+0.017}_{-0.023}$
Statistic	$\mathcal{U}$ -deformation			$t$ (s)	Timing	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$			$t^{\text{null}}$ (s)	
$t_{NPLM}$	$0.17448^{+0.035}_{-0.058}$	$0.20113^{+0.025}_{-0.036}$	32256		72958	