		led Particle feat	ures w			
	$\mu$ -deformation		$\Sigma_{ii}$ -deformation			
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$0.03001^{+0.0061}_{-0.012}$	$0.03983^{+0.0059}_{-0.0068}$	636	$0.03556^{+0.013}_{-0.014}$	$0.04838^{+0.01}_{-0.012}$	663
$t_{\overline{ ext{KS}}}$	$0.01913^{+0.0053}$	$0.02873^{+0.0044}_{-0.0066}$	772	$0.04819^{+0.016}_{-0.026}$	$0.06797^{+0.015}_{-0.016}$	871
$t_{ m SKS}$	$\begin{array}{c} 0.01010_{-0.0097} \\ 0.02745_{-0.011}^{+0.0048} \\ 0.03709_{-0.013}^{+0.0078} \\ \end{array}$	$0.03644^{+0.0054}_{-0.0052}$	1583	$0.04382^{+0.021}_{-0.014}$	$0.0658^{+0.01}_{-0.016}$	1772
$t_{ m FGD}$	$0.03709_{-0.013}^{+0.0078}$	$0.04616^{+0.0054}_{-0.009}$	2093	$\mid 0.03145^{+0.0096}_{-0.013} \mid$	$0.0415^{+0.013}_{-0.0099}$	2163
$t_{ m MMD}$	$0.03985^{+0.0061}_{-0.016}$	$0.04959_{-0.008}^{+0.0059}$	1591	$0.03486^{+0.015}_{-0.014}$	$0.04702^{+0.0095}_{-0.011}$	2055
		-deformation		pow <sub>+</sub> -	deformation	
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathrm{pow}_{+}}$	t (s)
$t_{ m SW}$	$0.03068^{+0.01}_{-0.012}$	$0.04073^{+0.006}_{-0.007}$	1080	$0.04091^{+0.016}_{-0.016}$	$0.0543^{+0.008}_{-0.013}$	539
$t_{\overline{ ext{KS}}}$	$1.03125_{-0.011}^{-0.012}$	$1.05323_{-0.016}^{+0.0083}$	811	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$0.04437^{+0.01}_{-0.01}$	1171
$t_{ m SKS}$	$0.02805^{+0.013}_{-0.0086}$	$0.04288^{+0.012}_{-0.0073}$	2346	$0.06612^{+0.024}_{-0.023}$	$0.09525^{+0.013}_{-0.016}$	2062
$t_{ m FGD}$	$0.0032^{+0.00083}_{-0.0011}$	$0.00399^{+0.00089}_{-0.0006}$	3890	$0.03323^{+0.015}_{-0.014}$	$0.04254^{+0.012}_{-0.01}$	2277
$t_{ m MMD}$	$0.02011^{+0.011}_{-0.0077}$	$0.02741^{+0.0094}_{-0.0084}$	2312	$\begin{array}{c c} -0.014 \\ 0.04071^{+0.016}_{-0.016} \end{array}$	$0.0537^{+0.017}_{-0.013}$	2231
	$pow\deformation$			$\mathcal{N} ext{-} ext{deformation}$		
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)
$t_{ m SW}$	$0.04382^{+0.021}_{-0.017}$	$0.0618^{+0.014}_{-0.018}$	689	$0.16911^{+0.026}_{-0.035}$	$0.18687^{+0.03}_{-0.02}$	397
$t_{\overline{ ext{KS}}}$	$0.03145^{+0.0096}_{-0.018}$	$0.0415^{+0.013}_{-0.0096}$	1316	$0.11951^{+0.025}_{-0.034}$	$0.14874^{+0.018}_{-0.02}$	1196
SKS	$0.07149^{+0.026}_{-0.026}$	$0.10084^{+0.023}_{-0.017}$	2143	$0.15558^{+0.04}_{-0.029}$	$0.19363^{+0.023}_{-0.025}$	1868
$t_{ m FGD}$	$0.03556^{+0.013}_{-0.012}$	$0.04553_{-0.013}^{+0.013}$	2220	$0.07893^{+0.011}_{-0.015}$	$0.0886^{+0.012}_{-0.0093}$	1870
$t_{ m MMD}$	$\begin{array}{c} \textbf{0.04062} \begin{array}{c} -0.017 \\ \textbf{0.03145} \begin{array}{c} +0.0096 \\ -0.018 \\ \end{array} \\ 0.07149 \begin{array}{c} +0.026 \\ -0.026 \\ 0.03556 \begin{array}{c} +0.013 \\ -0.012 \\ \end{array} \\ 0.04497 \begin{array}{c} +0.023 \\ -0.018 \end{array}$	$0.04533_{-0.013} \\ 0.05933_{-0.014}^{+0.018}$	2247	$0.41065^{+0.042}_{-0.05}$	$0.47533^{+0.05}_{-0.043}$	1844
$\mathcal{U} ext{-} ext{deformation}$				Timing		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathcal{U}}$	t (s)	$t^{\text{null}}$ (s)		
$t_{ m FGD}$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$0.15378^{+0.02}_{-0.016}$	1874	651		
$t_{ m LLR}$	-	-	-	-		
$t_{ m MMD}$	$0.69962^{+0.082}_{-0.086}$	$0.8098^{+0.086}_{-0.074}$	1768	368		
$t_{ m SKS}$	$\begin{array}{c c} -0.080 \\ 0.28696^{+0.041}_{-0.066} \end{array}$	$0.33718_{-0.043}^{+0.03}$	1817	402		
$t_{ m SW}$	$0.28696^{+0.041}_{-0.059}$	$0.31709^{+0.05}_{-0.033}$	373	139		
$t_{\overline{ ext{KS}}}$	$0.1977_{-0.055}^{+0.039}$	$0.24605^{+0.029}_{-0.032}$	1238	173		