

	κ_0	$\frac{\partial \kappa}{\partial \text{Re}(z_{h\pm})}$	$\frac{\partial \kappa}{\partial \text{Im}(z_{h\pm})}$	$\frac{\partial \kappa}{\partial x}$	$\frac{\partial \kappa}{\partial y}$
$\kappa_{K^+}^1$	0.992 ± 0.002	-0.042	-0.044	-0.686	-0.993
$\kappa_{K^+}^2$	0.991 ± 0.002	-0.055	-0.015	-0.372	-0.980
$\kappa_{K^+}^3$	0.991 ± 0.002	-0.065	0.012	-0.132	-1.103
$\kappa_{K^+}^4$	0.990 ± 0.002	-0.073	0.090	-0.071	-1.475
$\kappa_{K^-}^1$	1.008 ± 0.003	0.120	-0.058	1.771	1.235
$\kappa_{K^-}^2$	1.006 ± 0.003	0.305	-0.023	2.315	-0.360
$\kappa_{K^-}^3$	1.004 ± 0.003	0.131	-0.024	1.654	-0.093
$\kappa_{K^-}^4$	1.011 ± 0.003	0.027	-0.094	1.404	0.457
$\kappa_{\pi^+}^1$	0.989 ± 0.003	0.223	-0.137	-1.855	-0.553
$\kappa_{\pi^+}^2$	0.981 ± 0.003	-0.147	-0.047	-0.812	-1.981
$\kappa_{\pi^+}^3$	0.985 ± 0.003	-0.013	0.289	0.697	-2.024
$\kappa_{\pi^+}^4$	1.013 ± 0.003	0.558	0.102	2.210	-0.431
$\kappa_{\pi^-}^1$	0.988 ± 0.003	0.129	-0.160	-1.725	-0.844
$\kappa_{\pi^-}^2$	0.982 ± 0.003	-0.150	-0.049	-0.747	-1.835
$\kappa_{\pi^-}^3$	0.985 ± 0.003	-0.084	0.215	0.444	-1.973
$\kappa_{\pi^-}^4$	1.007 ± 0.003	0.598	0.271	1.882	-1.123
κ_{DT}^1	1.008 ± 0.003			-0.054	0.083
κ_{DT}^2	1.002 ± 0.003			0.047	0.083
κ_{DT}^3	1.001 ± 0.003			0.119	-0.006
κ_{DT}^4	1.001 ± 0.003			0.120	0.191