

cycle 1

	All in	Only Voigtian	No Compton	No Pileup	No Tail
Shift	-0.18 ± 3.28	-10.02 ± 3.32	-9.65 ± 3.31	4.52 ± 3.28	-4.08 ± 3.28
Gamma	0.00 ± 13.00	40.75 ± 9.16	15.39 ± 8.61	11.53 ± 9.07	3.68 ± 8.09

cycle 2

	All in	Only Voigtian	No Compton	No Pileup	No Tail
Shift	5.77 ± 2.81	-4.11 ± 2.80	-2.87 ± 2.77	8.18 ± 2.80	2.72 ± 2.78
Gamma	0.00 ± 3.47	27.48 ± 7.69	9.57 ± 7.23	1.77 ± 7.16	0.00 ± 8.43

(shift from “all in”)

-10

$-9 \sim -7$

$2 \sim 4$

$-4 \sim -3$

Table 12: Results for the fits of kaonic-helium x-ray spectra with only Voigt function and without Compton, pileup and tail components.