

θ	$\frac{qa}{2\pi}$	$(\frac{2\pi}{qa})^2$	$F(\theta)(\frac{2\pi}{qa})^2$	$F(\theta)(\frac{2\pi}{qa})^2$
			for potassium	for lithium
15	.15	44.4	.00	.00
30	.30	11.1	.89	.89
45	.45	4.9	1.37	1.37
60	.60	2.8	1.82	1.82
75	.75	1.8	1.84	1.55
90	.57	3.1	3.32	2.36
95	.50	4.0	4.26	2.56
105	.47	4.5	4.41	1.44
120	.48	4.3	3.18	.04
135	.58	2.9	1.39	.09
150	.73	1.9	.59	.06
165	.79	1.6	.06	.02
180	.75	1.8	.00	.00

U.K. processes start at $\theta \approx 70^\circ$

θ is measured in 100 plane

Table 4-6

Scattering Functions for $\vec{k}$ in 100 Directions