

θ	$\frac{qa}{2\pi}$	$(\frac{2\pi}{qa})^2$	$F(\theta) (\frac{2\pi}{qa})^2$ for potassium	$F(\theta) (\frac{2\pi}{qa})^2$ 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	.70	2.0	2.04	1.72
90	.58	3.0	3.21	2.28
105	.44	5.2	5.09	1.66
120	.35	8.2	6.06	.08
135	.40	6.2	2.98	.18
150	.50	4.0	1.24	.12
165	.65	2.4	.34	.02
180	.80	1.6	.00	.00

U.K. processes start at $\theta \approx 73^\circ$

θ is measured in 110 plane;

positive θ go to 100 axis

-60	.60	2.8	1.82	1.82
-75	.75	1.8	1.84	1.55
-90	.88	1.3	1.39	.99

No U.K. processes for θ between -90° and -180°

Table 4-7

Scattering Functions for \vec{k} in 111 Direction