

HP6

θ	$\frac{qa}{2\pi}$	$\left(\frac{2\pi}{qa}\right)^2$	$F(\theta) \left(\frac{2\pi}{qa}\right)^2$ for potassium	$F(\theta) \left(\frac{2\pi}{qa}\right)^2$ 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	.75	1.8	1.84	1.55
90	.88	1.3	1.39	.99
105	.88	1.3	1.27	.42
120	.73	1.9	1.40	.02
135	.55	3.3	1.58	.10
150	.41	5.9	1.83	.18
165	.25	16.0	2.24	.32
175	.20	25.0	1.00	.25
180	.18	31.0	.00	.00

U. K. processes start at $\theta \approx 95^\circ$

θ is measured in 100 plane

Table 4-5

Scattering Functions for \vec{k} in 110 Direction