Table II. Calculated and measured positions for the spacings observed in KCN IV assuming a rhombohedral lattice. Only those peaks which could be resolved are listed.

hkℓ hex. indexing	Rhomb. indexing	d_{calc} (Å)	d_{obs} (Å)
101	100	3.7685	3.783 ± .002
012	110	2.7400	2.7405 ± .0011
110	$10\bar{1}$	2.5953	2.5954 ± .0004
003	111	2.3043	---
021	$11\bar{1}$	2.1375	2.1363 ± .0069
202	200	1.8842	1.8909 ± .0006
113	210	1.7231	1.7291 ± .0020
211	$20\bar{1}$	1.6500	1.6502 ± .0007
122	$21\bar{1}$	1.5248	1.5250 ± .0007
300	$2\bar{1}\bar{1}$	1.4984	1.4981 ± .0005
015	221	1.3215	1.3210 ± .0007
220	$20\bar{2}$	1.2976	1.2980 ± .0009

Lattice Parameters $a_{hex} = 5.1906 \pm .0003$ Å

$c_{hex} = 6.9129 \pm .0015$ Å

$a_{rh} = 3.7803$

$\alpha_{rh} = 86^{\circ}42'$

Volume of rhombohedral unit cell = $53.77 \pm .02$ Å^3