

	e American production	. i				4.
Ring	V (KV)	2 R 67 2R2 (cm)	R @ R ₂	λ ^(Å)	sin 0	d (Å)
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	Simplifying and using, L = 13.5 cm and R in cm, sin 0 = [1+ (13.5) ²] 0.5 Interplanar spacing can be calculated from eq 0, using eq 5 and 4.
5a fely Guides	eq"5. (2) and (4).
& precautions:	1. Never accelerate beyond 5 kV. 2. Never touch any controls on the power supply other than the 'On-off' switch and the voltage varying knob. 3. Never use force to measure the rung diameters. Keep a plastic scale very gently over the tube to measure the diameter. Metal scales are not allowed. 4. Youare working with a very high energy source (>5kV) and hence, touching any part of the entire setup other than what is mentioned in point 3 is prohibited.
Result:	The intemplanar spacings in graphite were measured as: $d_1 = mm$ and, $d_2 = nm$
	Teacher's Signature