

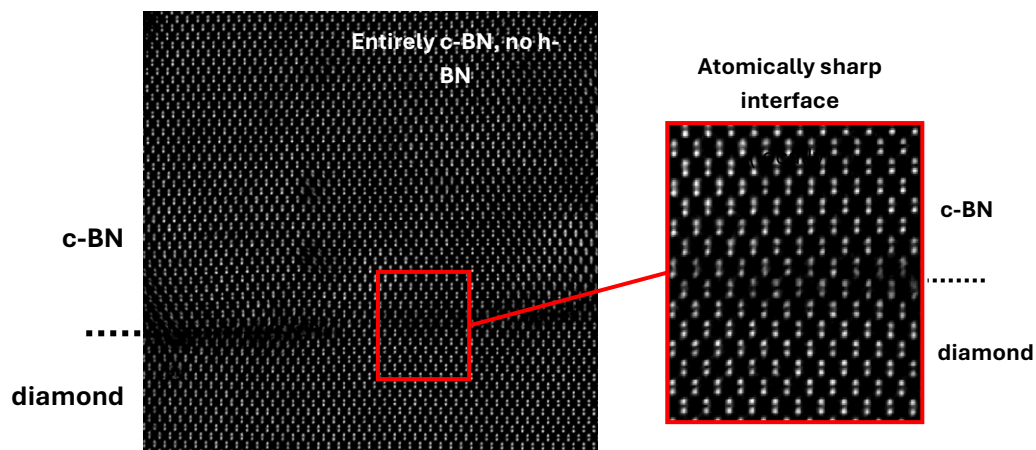


Figure 1. Electron ptychographic phase image of c-BN/Diamond interface. Inset red box shows a zoom in of the locally sharp interface.

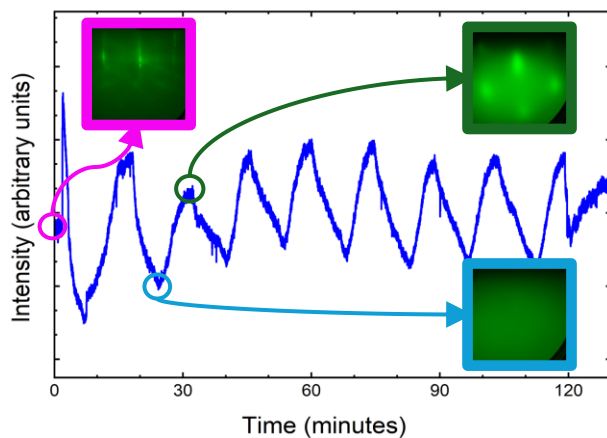


Figure 2. RHEED intensity plot over time. Purple outlined image is the substrate just before growth. Blue outlined image is blank screen at the end of each open shutter cycle (troughs). Green outlined image is the c-BN surface at the end of each closed shutter cycle (peaks).

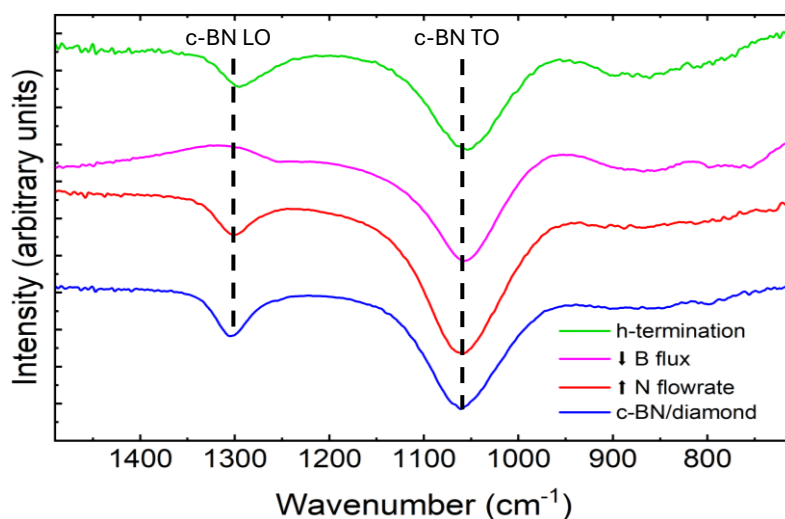


Figure 3. FTIR of c-BN growths. Illustrates variation in LO and TO mode peak areas.