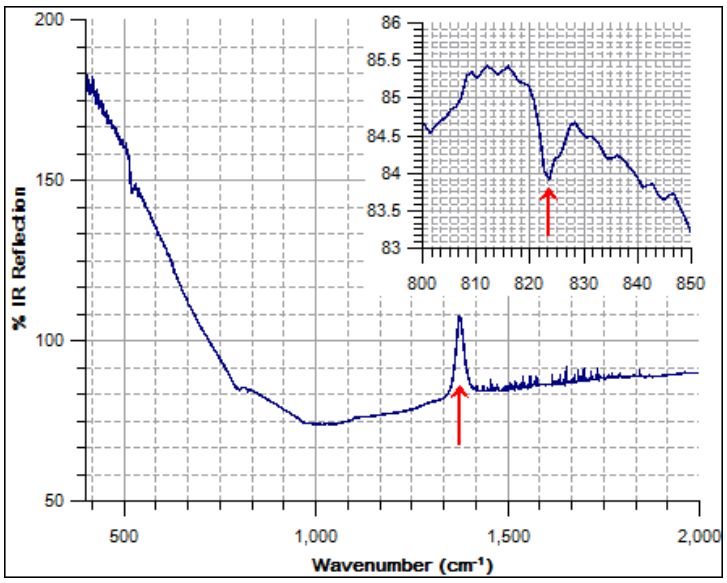

Figure 1. FTIR spectrum in reflection mode and normalised to the substrate spectrum of a BN film deposited on Si (111)showing the IR active normal modes of sp^2-BN at 823 cm^{-1} (inset) and 1374cm^{-1}.

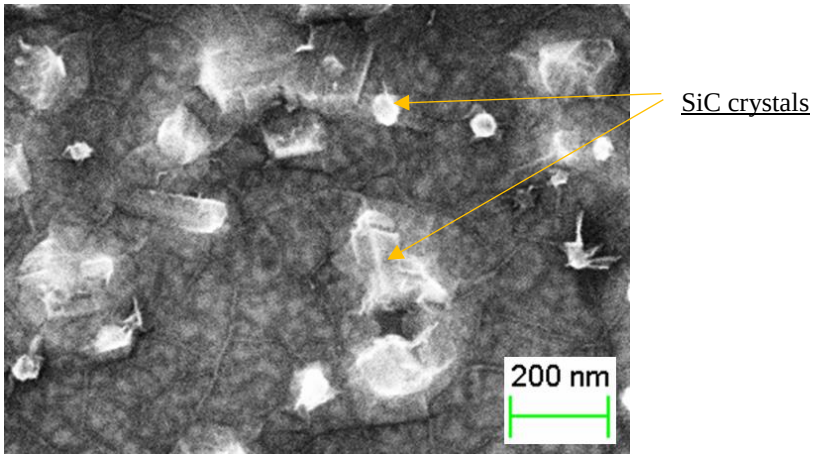

Figure 2. SEM of a crystalline sp^2-BN film grown on Si (111). In the image the dark BN surface is surrounded by bright SiC crystals that serve as nucleation points for disordered BN.

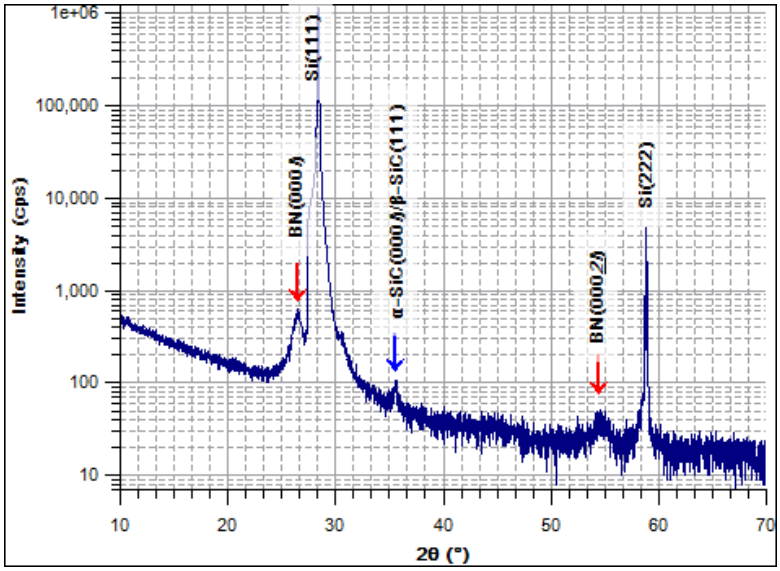

Figure 3. θ/2θ-XRD pattern showing the (000*l*) and (0002*l*) diffractions of crystalline sp^2-BN (h-BN or r-BN).