

Figure 1: Direct Bandgap Complete

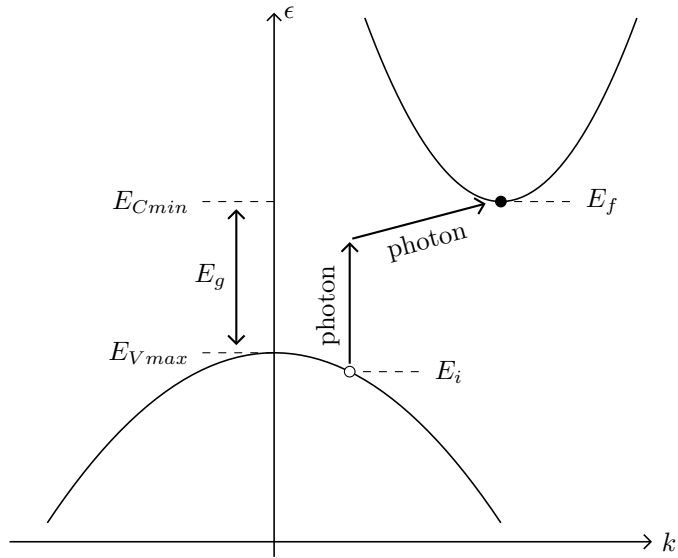


Figure 2: Indirect Bandgap Phonon Absorption

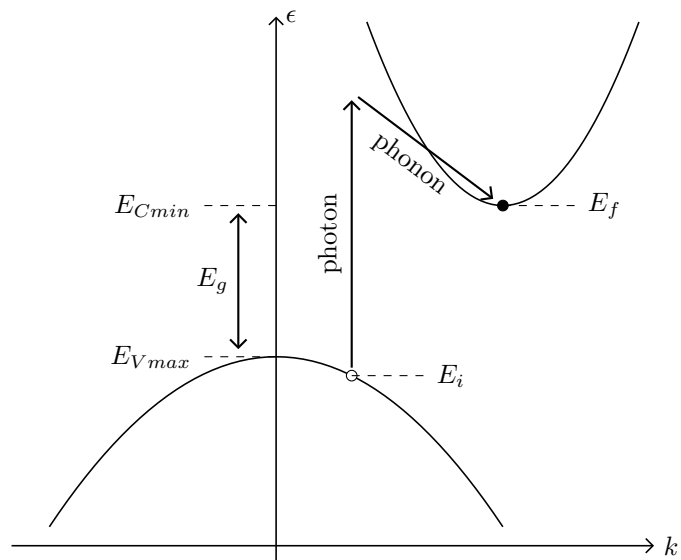


Figure 3: Indirect Bandgap Phonon Absorption

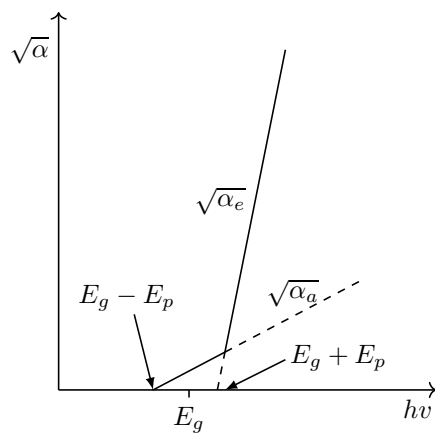


Figure 4: Axis

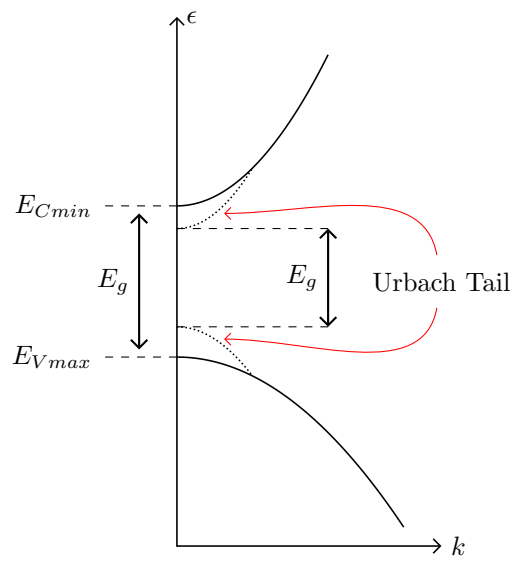


Figure 5: Urbach Tail