Point defects

- $E_a^{BD} = E_c - 0.225$ eV
- $\sigma_n^{BD} = 2.3 \cdot 10^{-14}$ cm^2
- $E_a^{V3} = E_c - 0.545$ eV
  - $\sigma_n^{V3} = 1.7 \cdot 10^{-15}$ cm^2
  - $\sigma p^{V3} = 9 \cdot 10^{-14}$ cm^2
- $E_a^{Ip} = E_c - 0.545$ eV
  - $\sigma_n^{Ip} = 1.7 \cdot 10^{-15}$ cm^2
  - $\sigma p^{Ip} = 9 \cdot 10^{-14}$ cm^2

Extended defects

- $E_a^{H116K} = E_v + 0.33$eV
- $\sigma_p^{H116K} = 4 \cdot 10^{-14}$ cm^2
- $E_a^{H140K} = E_v + 0.36$eV
- $\sigma_p^{H140K} = 2.5 \cdot 10^{-15}$ cm^2
- $E_a^{H152K} = E_v + 0.42$eV
- $\sigma_p^{H152K} = 2.3 \cdot 10^{-14}$ cm^2
- $E_a^{E30K} = E_c - 0.1$eV
- $\sigma_n^{E30K} = 2.3 \cdot 10^{-14}$ cm^2