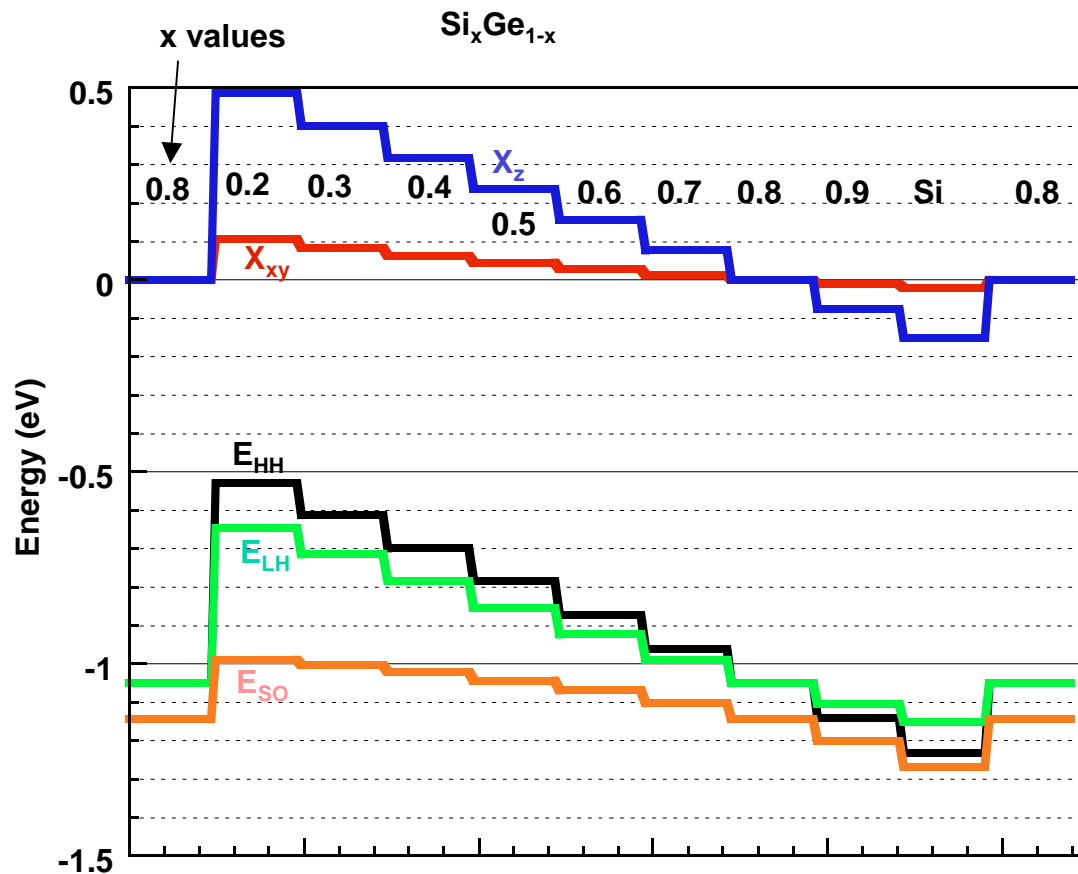


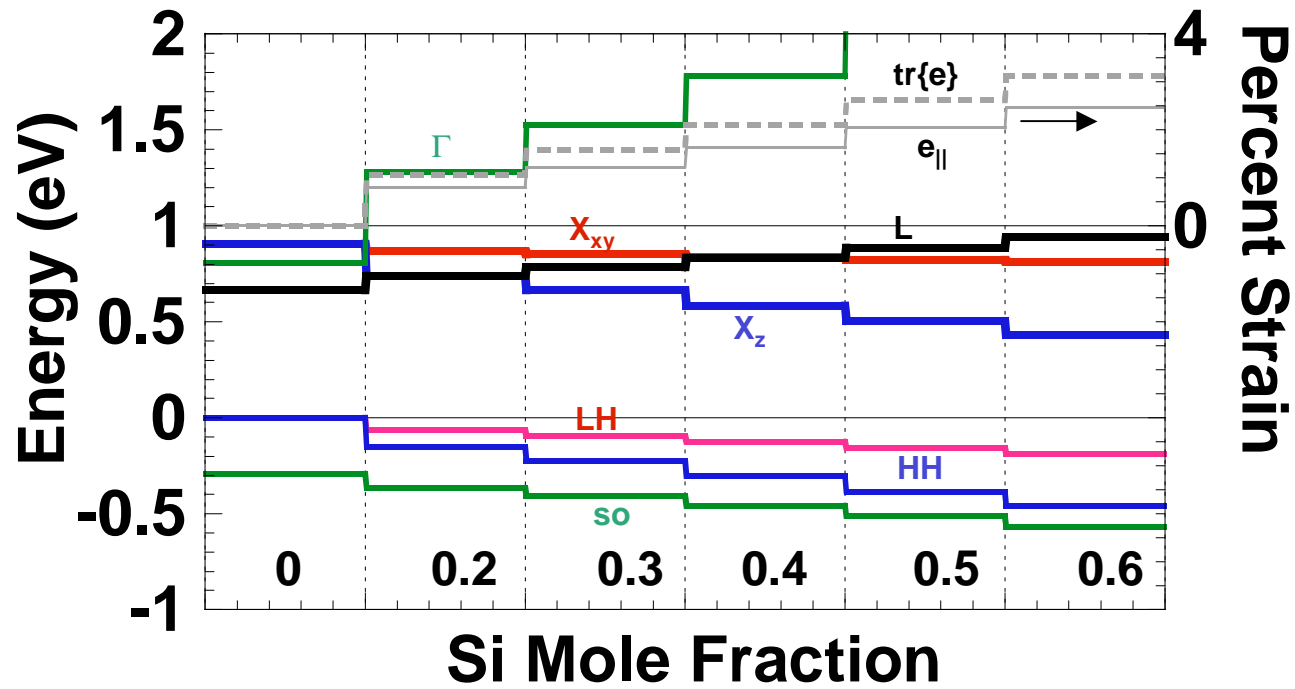
Band Offsets for $\text{Si}_{0.8}\text{Ge}_{0.2}$ Substrate

- Band offsets for the $\text{Si}_x\text{Ge}_{1-x}$ alloys lattice matched to $\text{Si}_{0.8}\text{Ge}_{0.2}$.
- Calculated from C. G. Van de Walle's theory [1] using parameters from [1-3].



1. C. G. Van de Walle, PRB, **39**, 1871 (1985).
2. R. People, IEEE Trans. Qu. Electronics, **QE-22**, 1696 (1986).
3. Semiconductors Basic Data, 2nd ed., O. Madelung, ed., Springer-Verlag, 1996.

Ge Substrate



Si_{0.5}Ge_{0.5} Substrate

