

Figure 1: Saturation behavior of LiHMDS, H₂O and TMB during the deposition of lithium borate at 250°C.

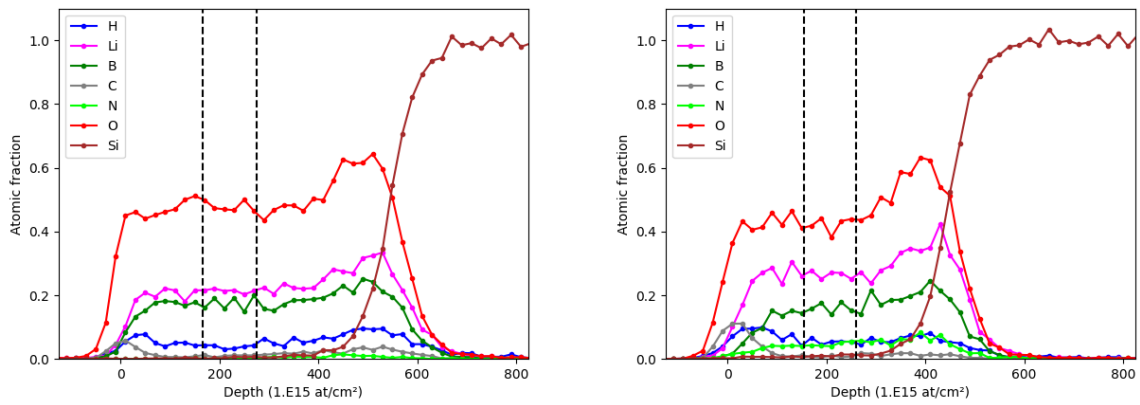


Figure 2: ERD profile of lithium borate from the deposition using LiHMDS – H₂O – TMB, left: at a deposition temperature of 125°C with a composition of Li_{1.1}BO_{2.2} and right: at a deposition temperature of 250°C with a composition of Li_{1.4}BO_{2.3}.

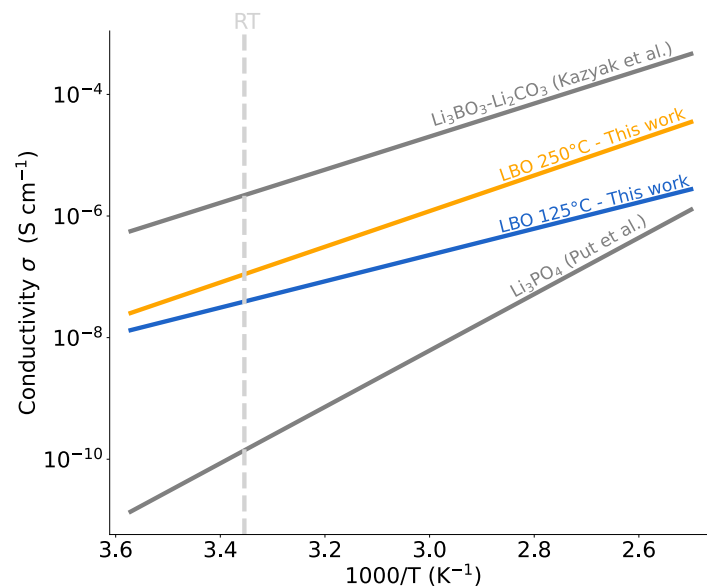


Figure 1: Arrhenius curve of an 80nm lithium borate thin film deposited at 125°C and 250°C. At room temperature (RT), the lithium borate deposited at 250°C has an ionic conductivity of 1.17×10^{-7} S cm⁻¹ and for the lithium borate deposited at 125°C an ionic conductivity of 3.92×10^{-8} S cm⁻¹ was obtained.