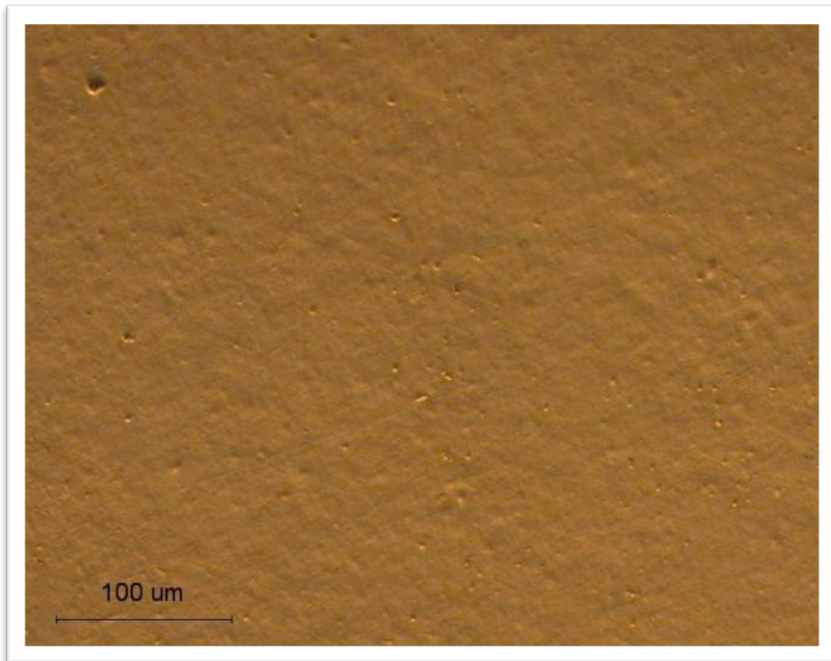
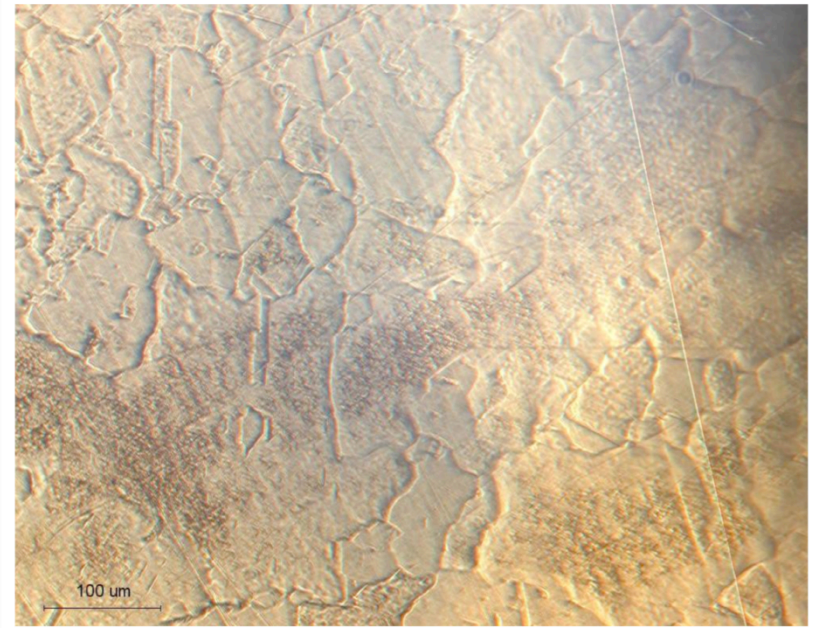


# Optical Microscope Images Before Diffusion Annealing

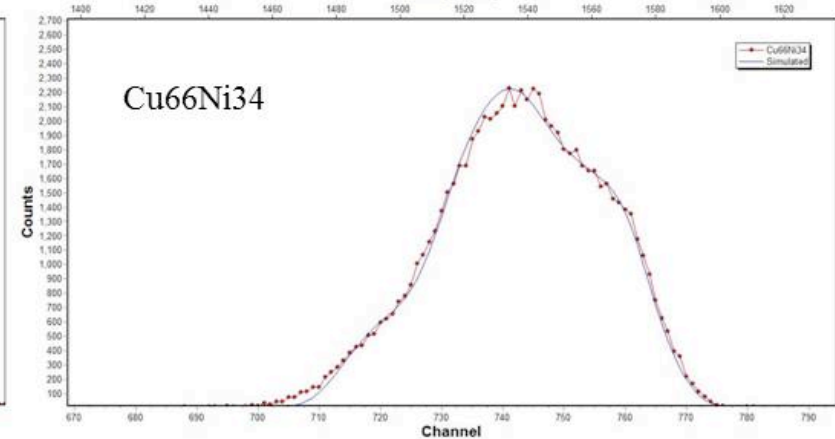
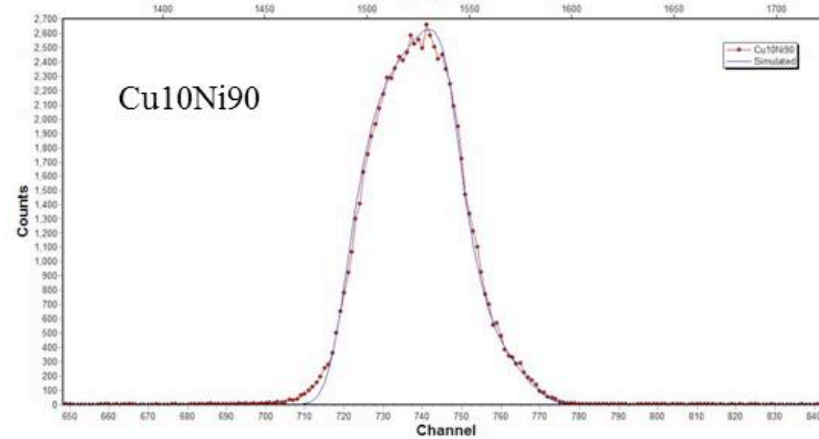
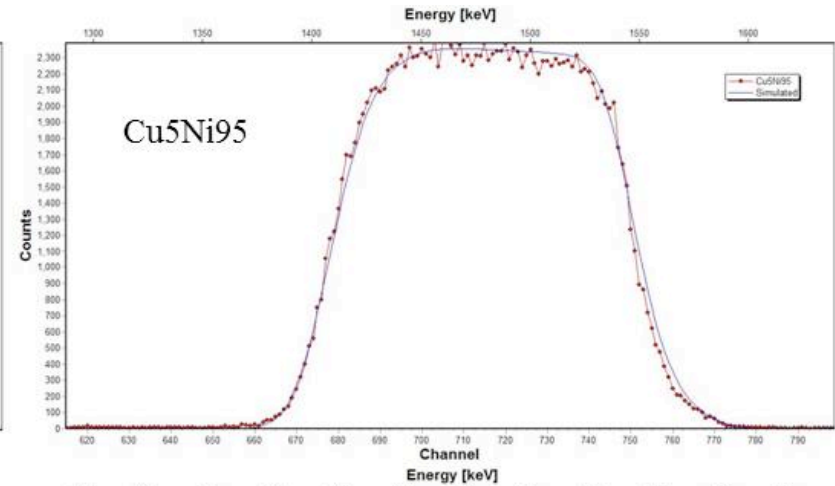
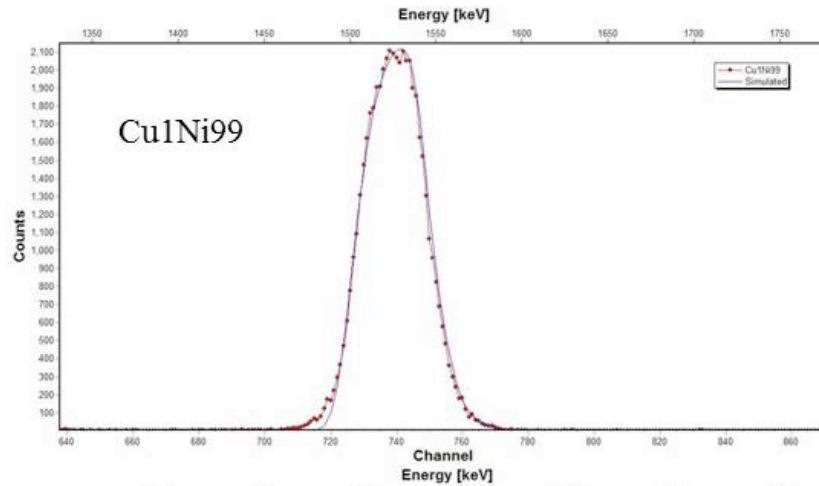


**Ni-Bi alloy before polishing**

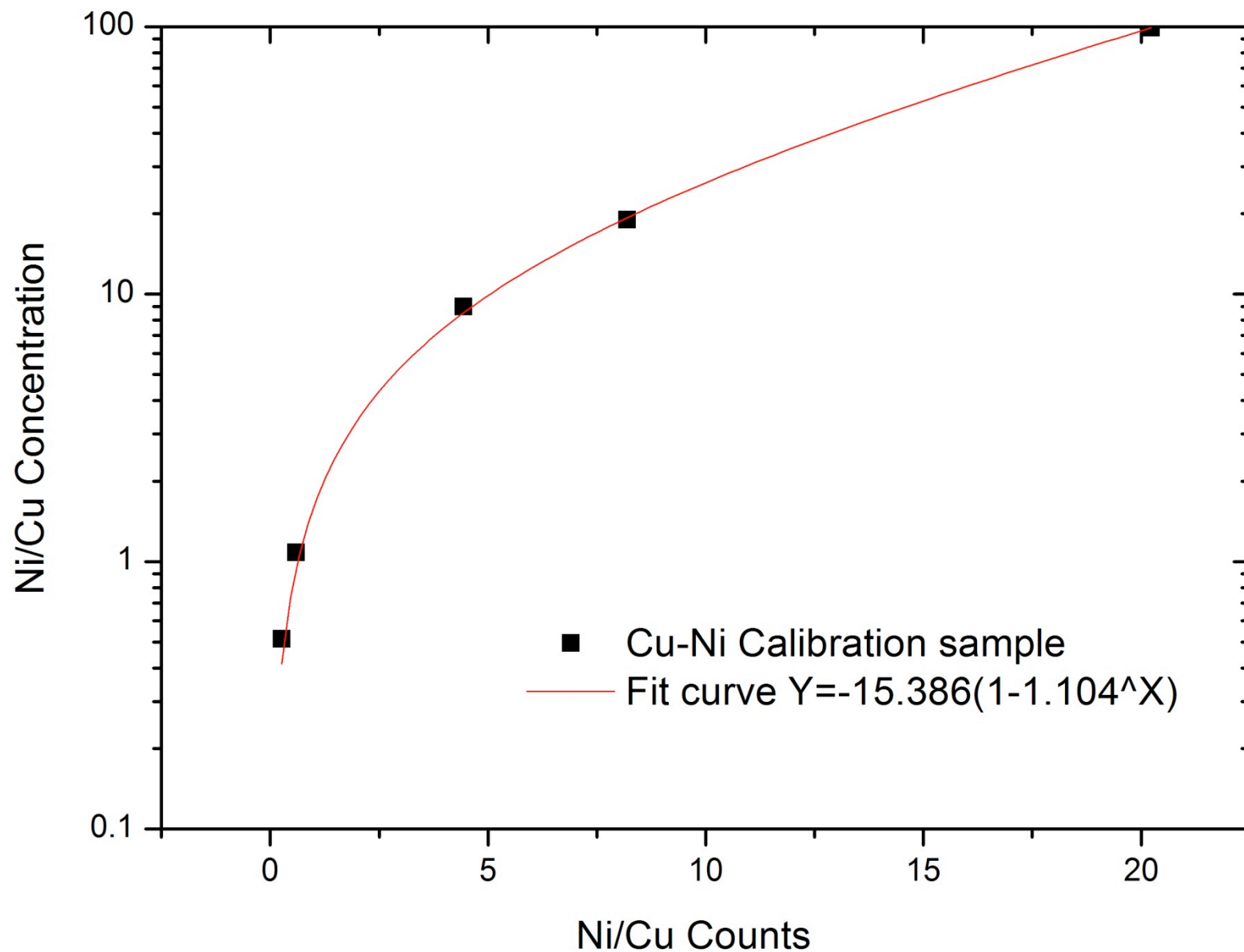


**Ni (top) and Ni-Bi alloy after polishing**

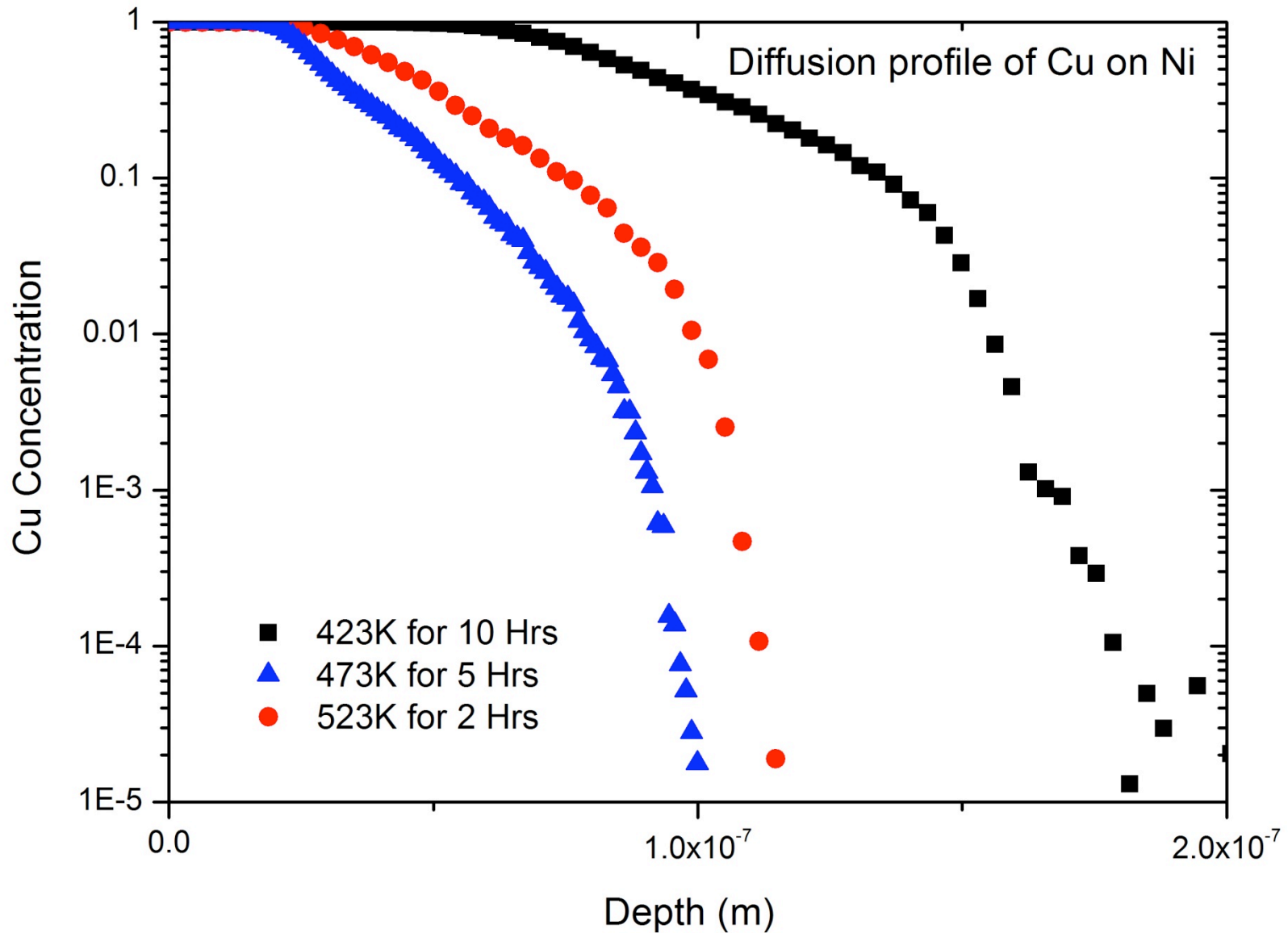
# Cu-Ni Calibration Samples Determined by RBS

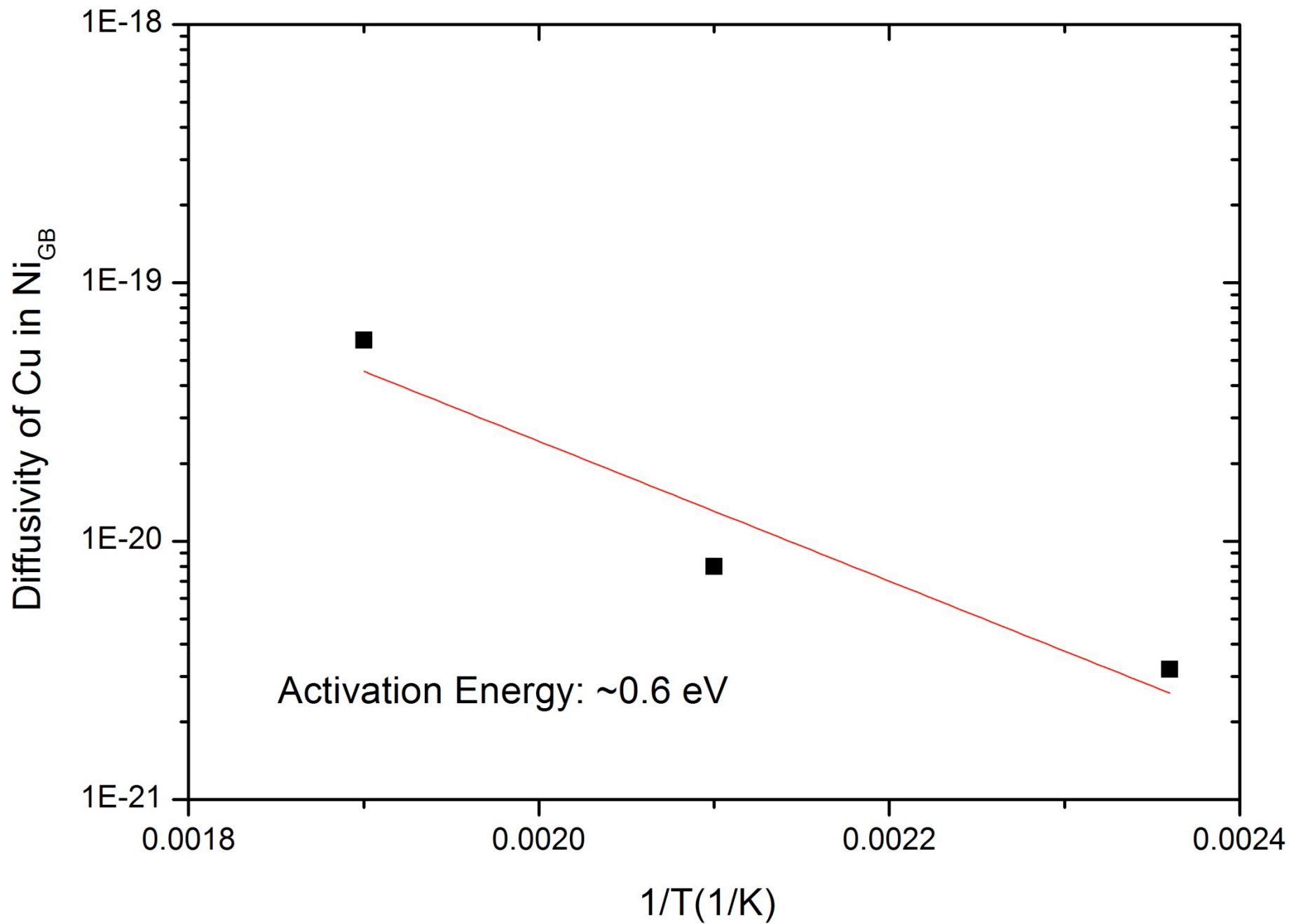


# Cu- Ni Calibration Curve

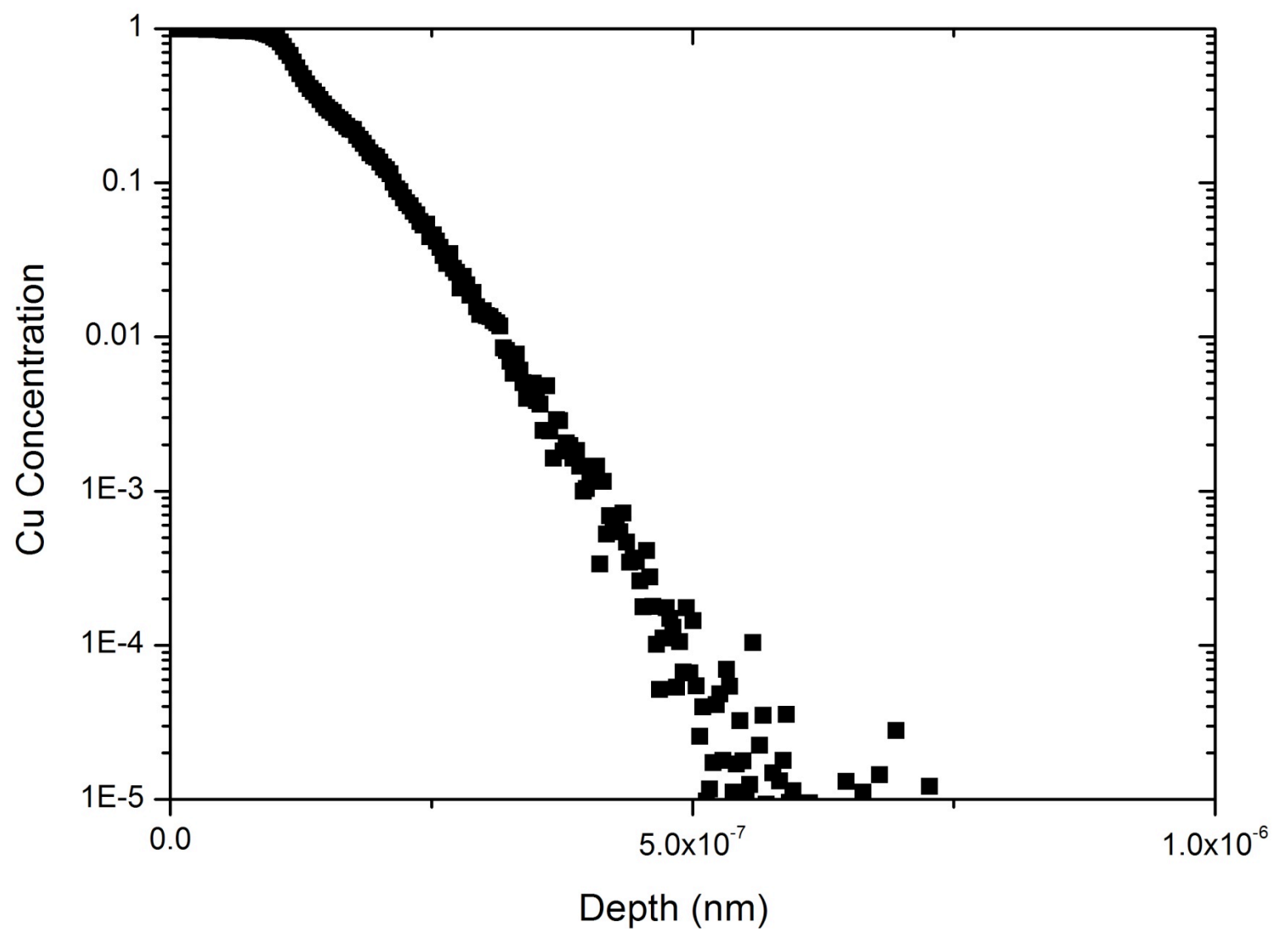


# Penetration profile obtained by SIMS for copper diffusion in pure Ni at different anneal conditions

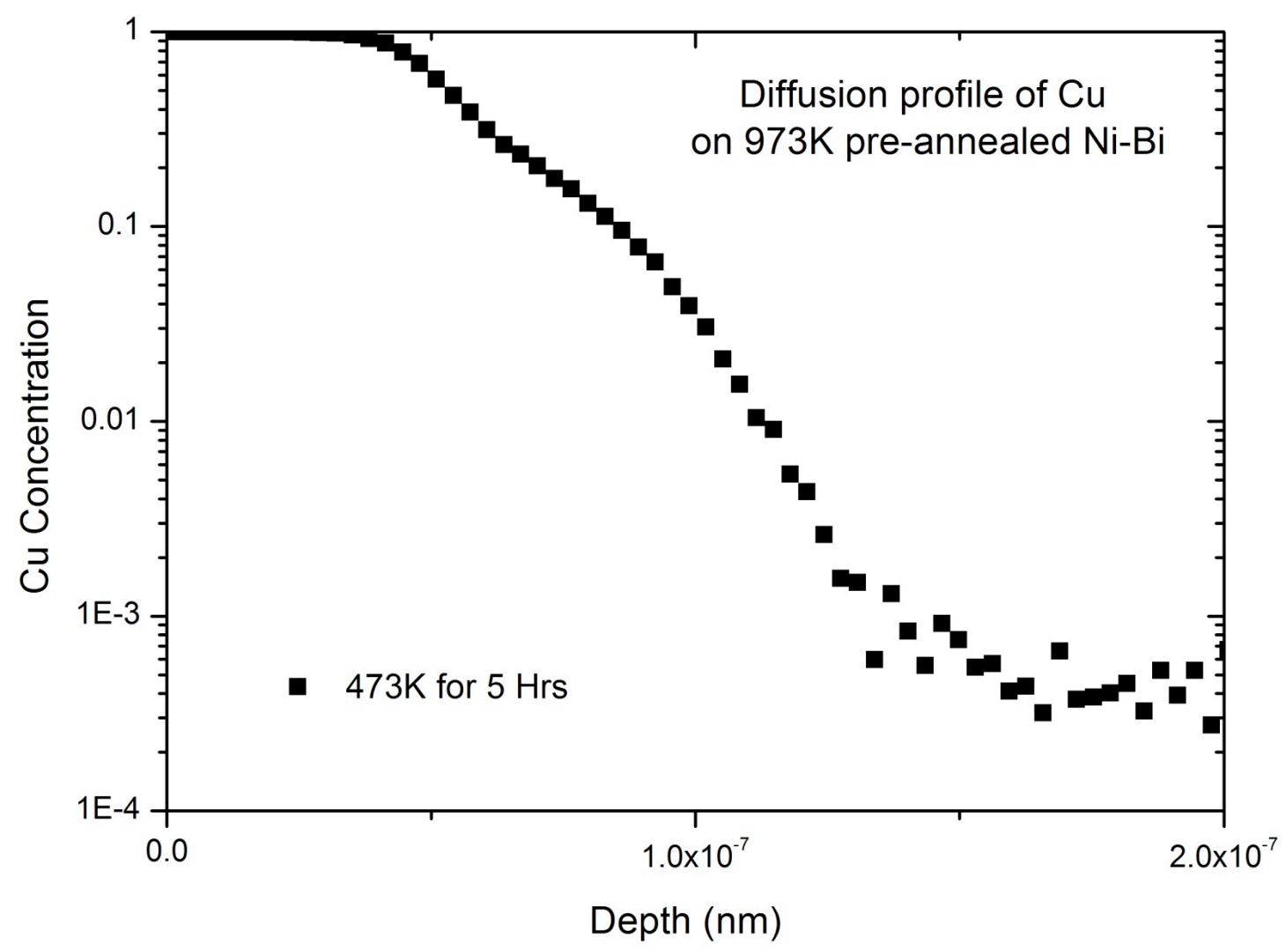




**Penetration profile obtained by SIMS for copper diffusion in Ni- Bi  
annealed under 423K for 10 Hrs**



# Penetration profile obtained by SIMS for copper diffusion in Ni- Bi annealed under 473K for 5 Hrs





**Penetration profile obtained by SIMS for copper diffusion in Ni- Bi  
annealed at 523K for 2 Hrs**

