

**Supplementary information for:**

**Copper plasmonics and catalysis: Role of electron-phonon interactions in dephasing localized surface plasmons**

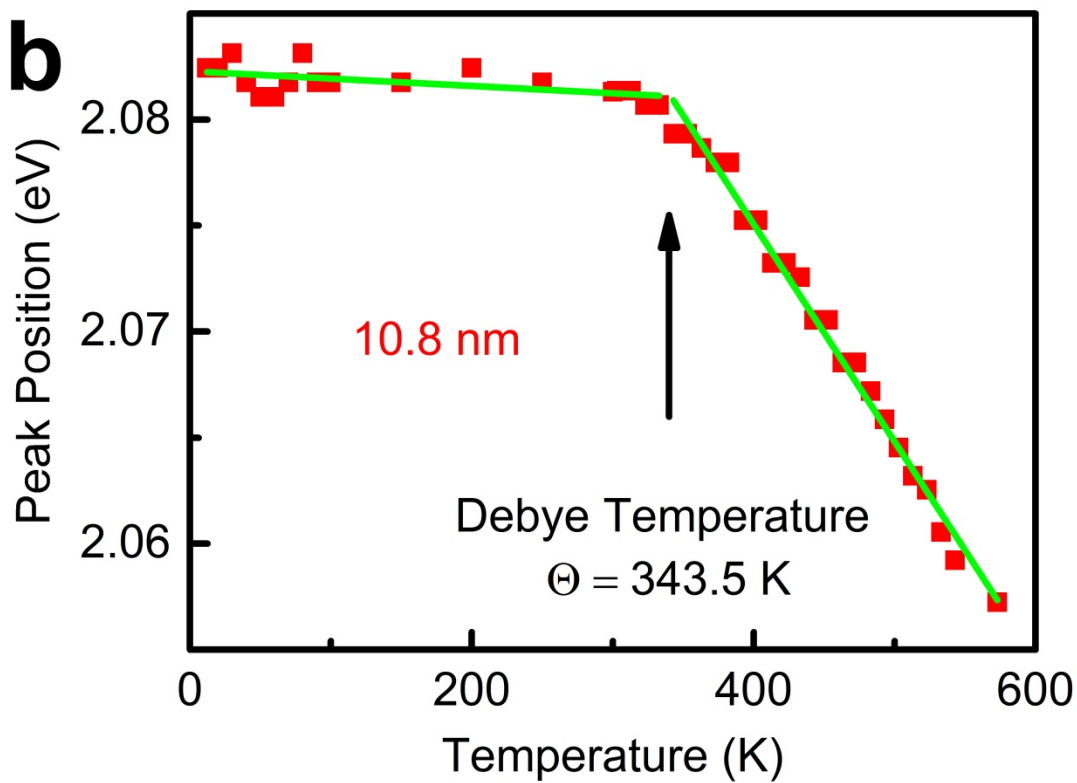
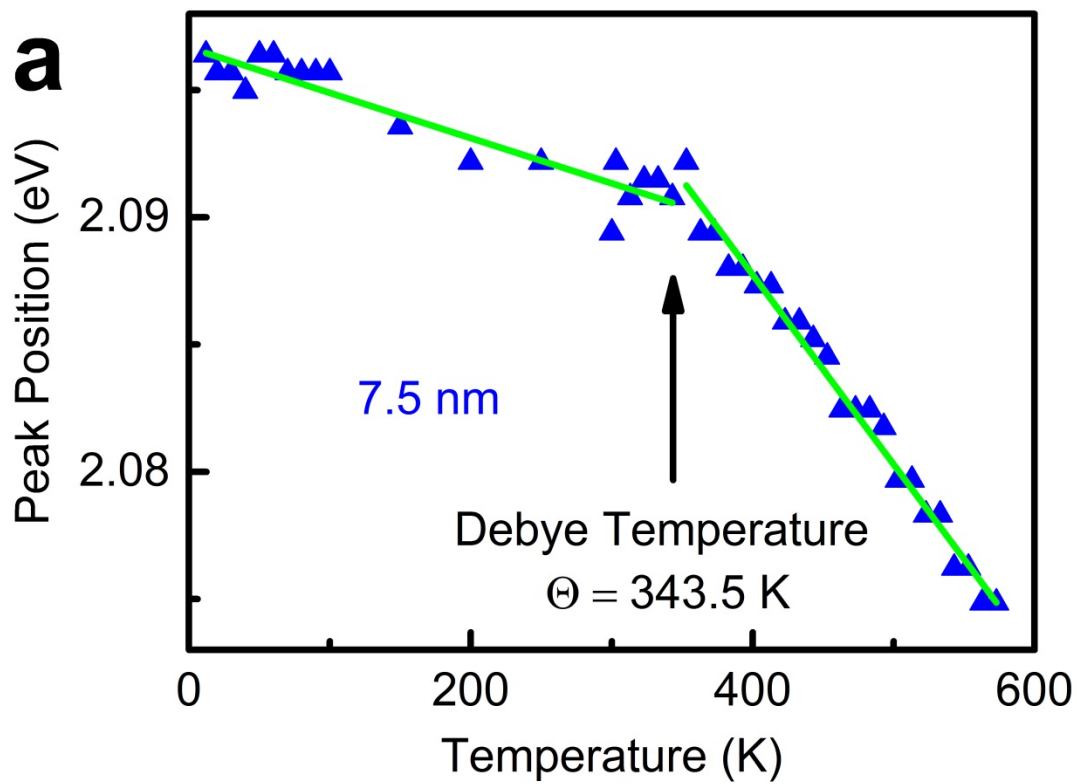
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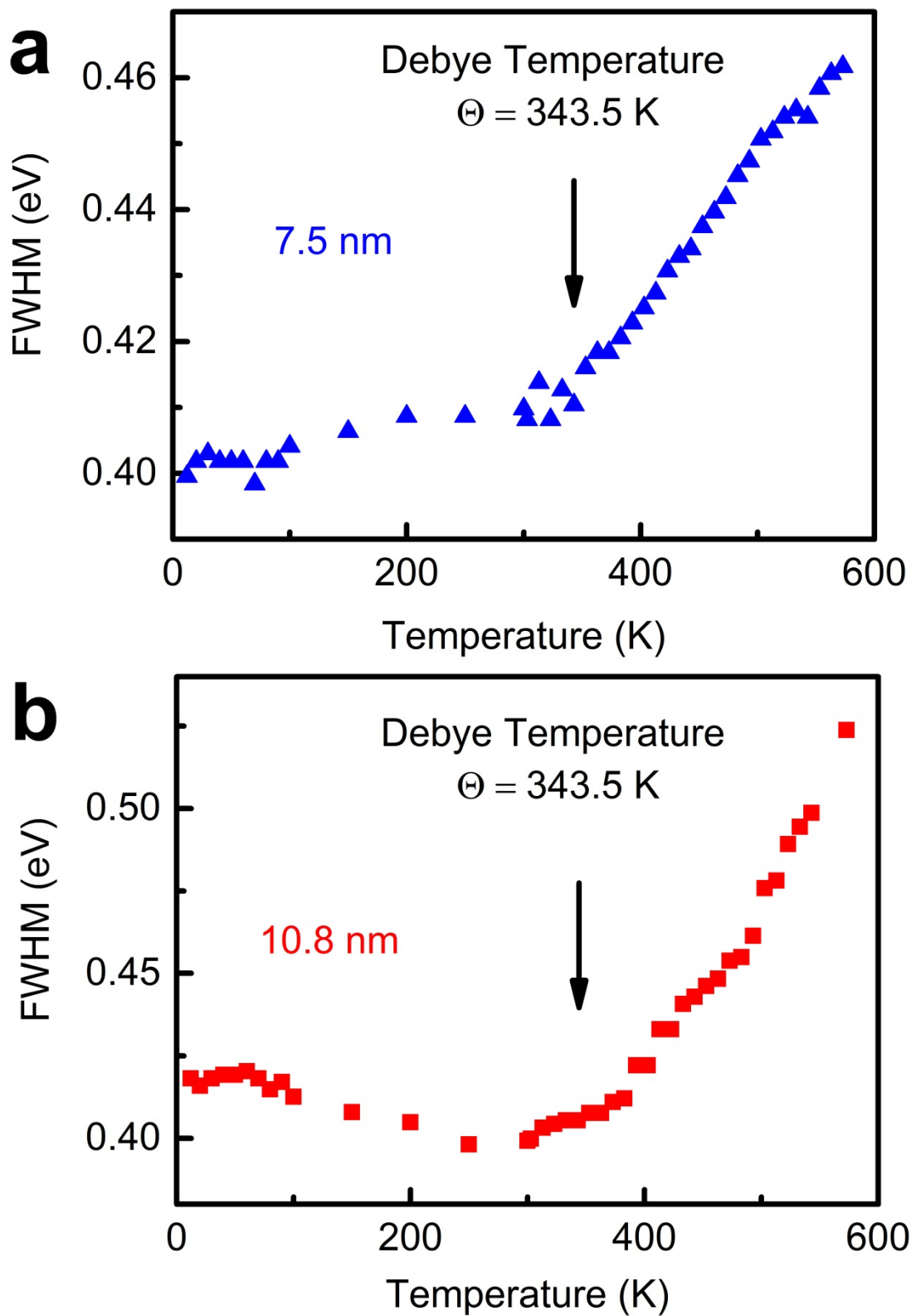
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**Figure S1.** (a,b) Peak position as a function of temperature for 7.5 and 10.8 nm Cu NPs, respectively.



**Figure S2.** (a,b) Full width at half maximum (FWHM) as a function of temperature for 7.5 and 10.8 nm Cu NPs, respectively.