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Supporting Information Files for Sodium doping of solution-processed amine-thiol based CIGS solar cells by thermal evaporation of NaCl

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Supplementary Information

Sodium doping of solution-processed amine-thiol based CIGS solar cells by thermal evaporation of NaCl

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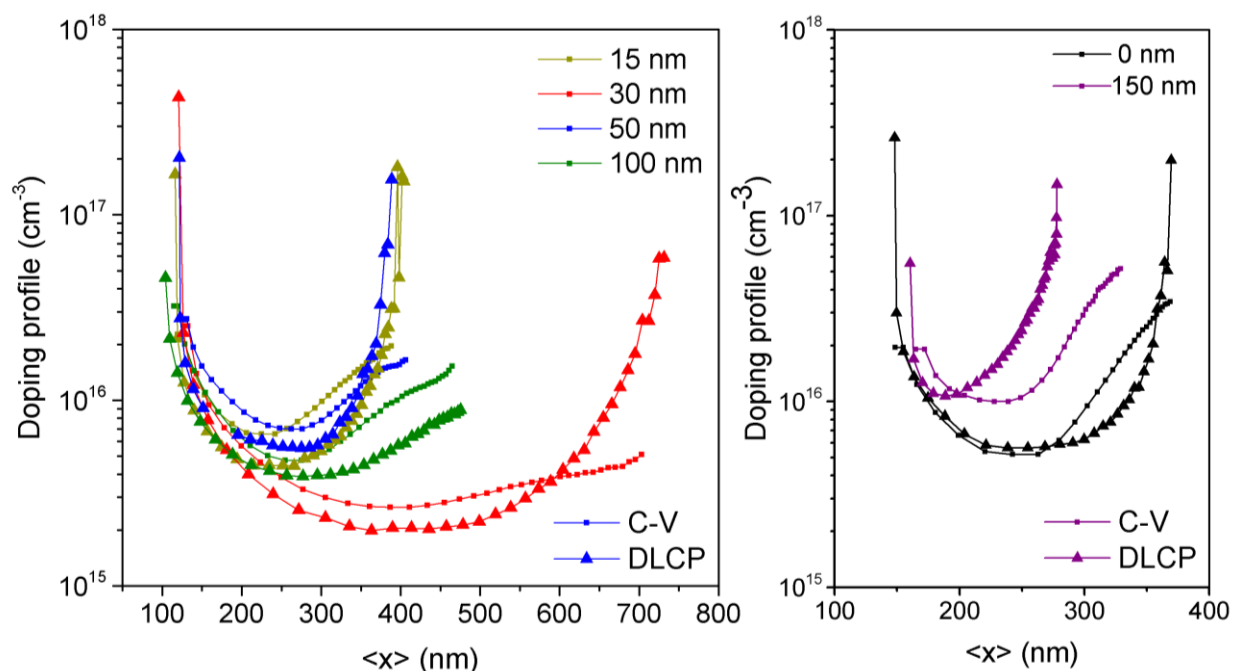


Figure S1: Doping profiles extracted from CV and DLCP measurements at room temperature. CV and DLCP minima are shifted (left) for the samples with 15-100 nm of evaporated NaCl. CV and DLCP minima are at the same level (right) for the samples with 0 and 150 nm of evaporated NaCl. DLCP method is insensitive to the response from interface states. The undoped and 150 nm NaCl cells are dominated by response from bulk defect states however all other cells contain non-negligible interface states.

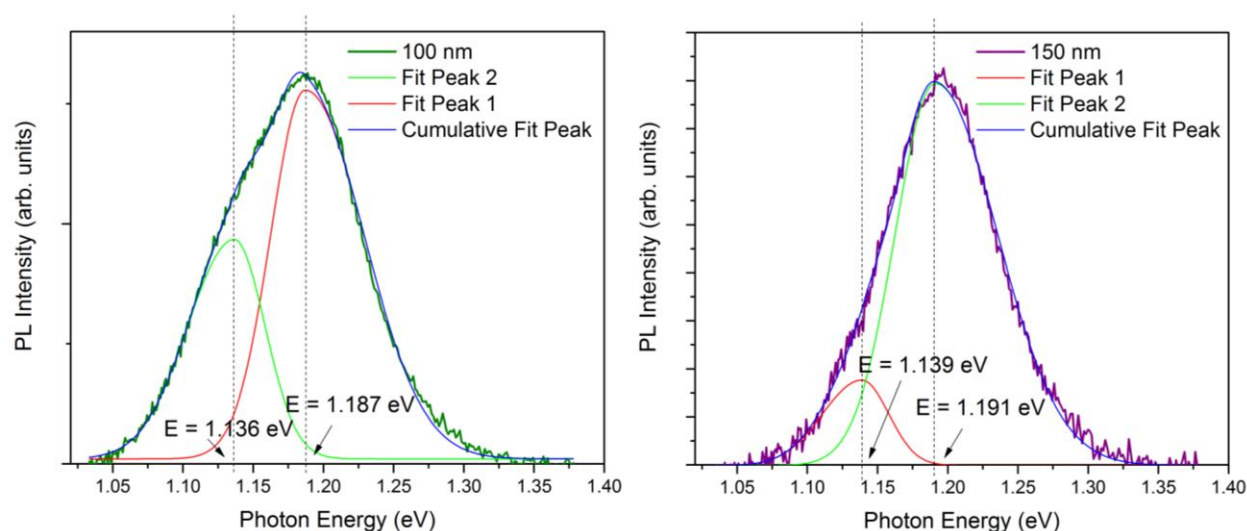


Figure S2: Double-peak fitting for the PL signal of the 100 and 150 nm NaCl samples. Peaks were fitted using a bi-gaussian peak fit and peak maxima positions are indicated by the cursors.