

Supplementary Information File

The effect of thermal annealing in the charge transfer dynamics of a donor-acceptor copolymer and fullerene: F8T2 and F8T2:PCBM

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This Supporting Information is composed by one section:

1. Supporting Figures (Figure SI1 to Figure SI4).

Figure Captions

Figure SI1. Sulfur $KL_{2,3}L_{2,3}$ spectra measured at 2482 eV photon energy for as-cast F8T2-S20 (a) and thermal annealed F8T2-S200 (b) polymeric films.

Figure SI2. Peak position (a) and b)) and FWHM (c) and d)) plotted against incident photon energy obtained by deconvolution of the S- $KL_{2,3}L_{2,3}$ spectra for F8T2-S20 and F8T2-S200.

Figure SI3. Peak fitting procedure of S- $KL_{2,3}L_{2,3}$ RAS spectra measured at different photon energies for as-cast F8T2:PCBM-S20.

Figure SI4. Peak fitting procedure of S- $KL_{2,3}L_{2,3}$ RAS spectra measured at different photon energies for F8T2:PCBM-S200.

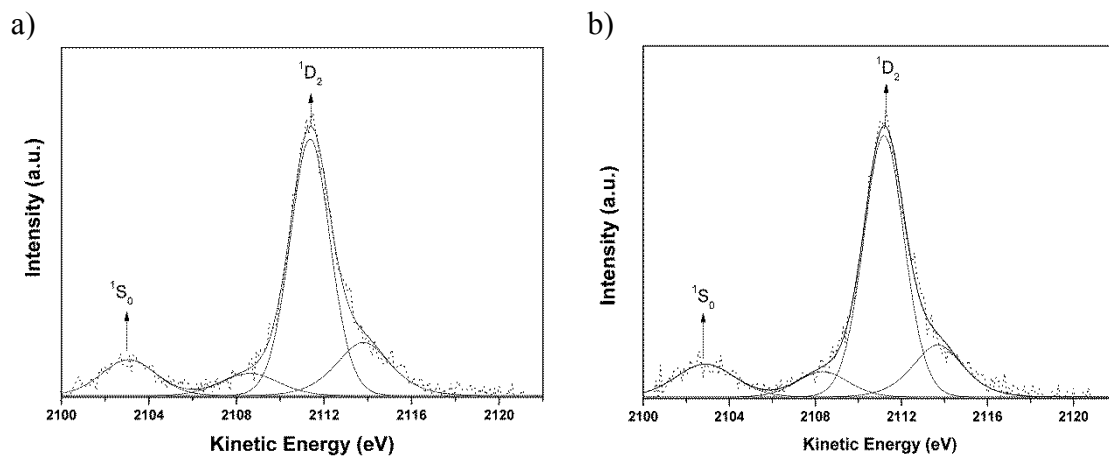


Figure S11. Sulfur $KL_{2,3}L_{2,3}$ spectra measured at 2482 eV photon energy for as-cast F8T2-S20 (a) and thermal annealed F8T2-S200 (b) polymeric films.

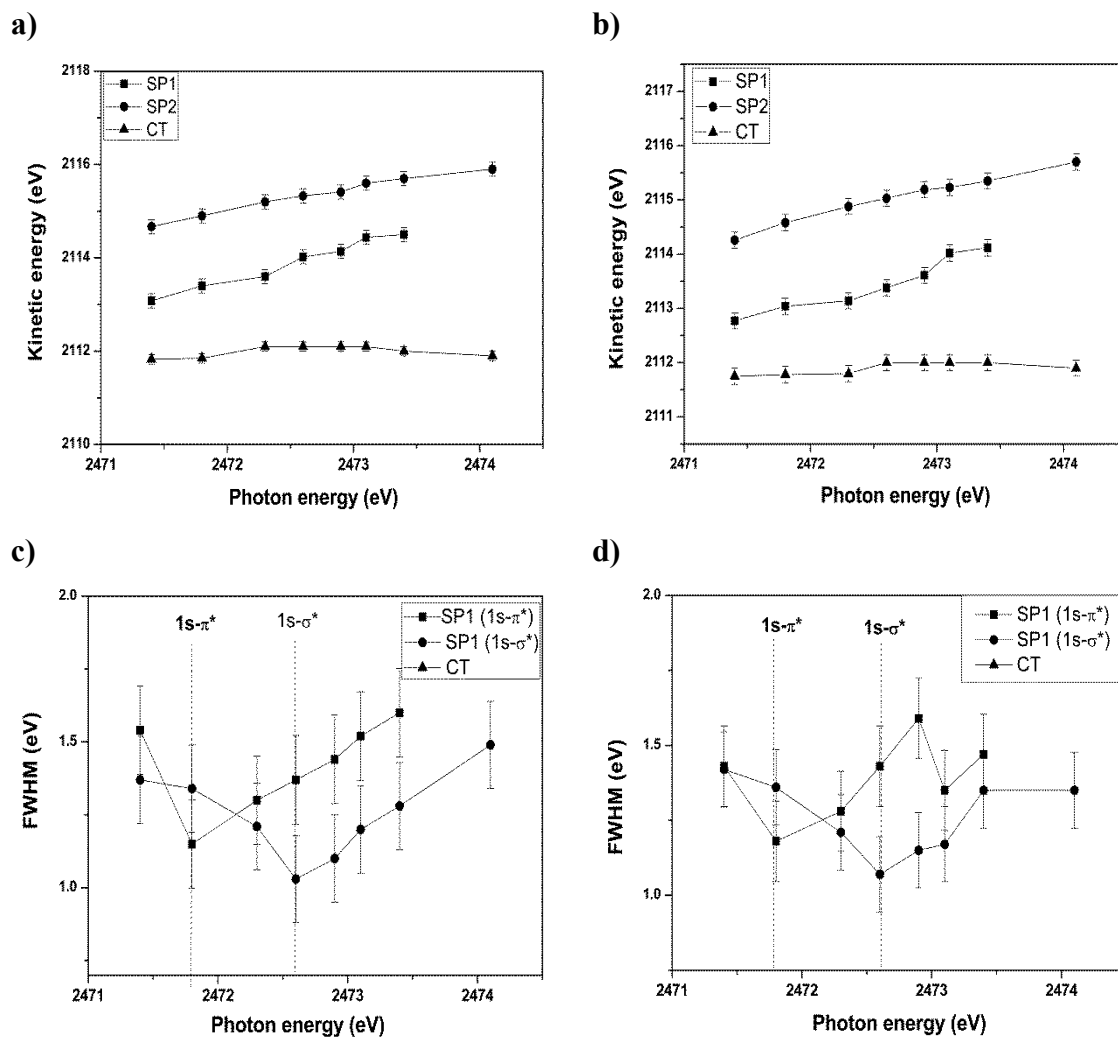


Figure S12. Peak position (a) and b)) and FWHM (c) and d)) plotted against incident photon energy obtained by deconvolution of the $S-KL_{2,3}L_{2,3}$ spectra for F8T2-S20 and F8T2-S200. Error bar are include in the plot.

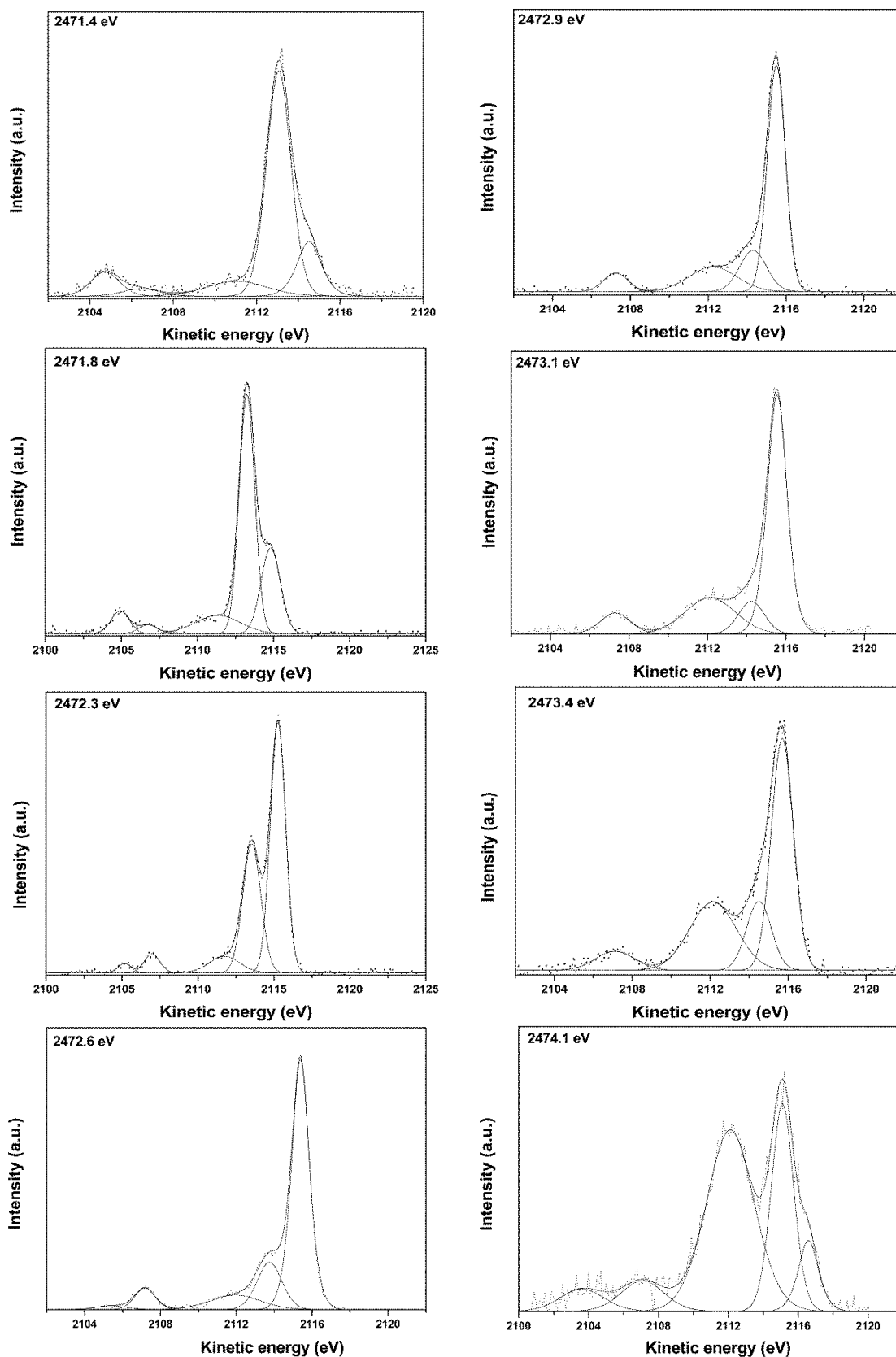


Figure SI3. Peak fitting procedure of $S\text{-}KL_{2,3} L_{2,3}$ RAS spectra measured at different photon energies for as-cast F8T2:PCBM-S20.

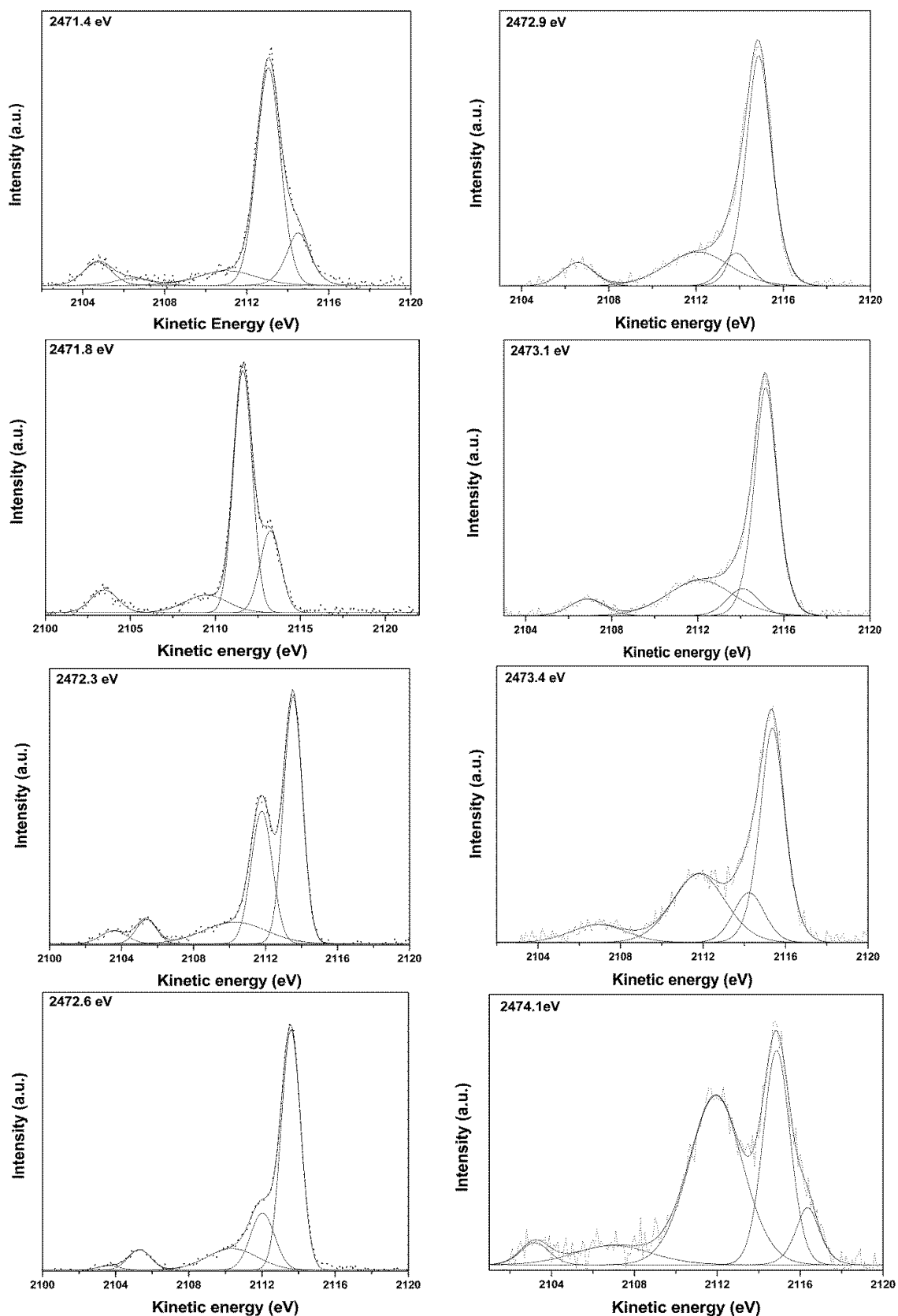


Figure SI4. Peak fitting procedure of $S\text{-}KL_{2,3} L_{2,3}$ RAS spectra measured at different photon energies for F8T2:PCBM-S200.