

Photoinduced electron-transfer in perylene-3,4,9,10-tetracarboxylic diimide triphenylamine-based dendrimers: single photon timing and femtosecond transient absorption spectroscopy

Eduard Fron,^a Roberto Pilot,^a Gerd Schweitzer,^a Jianqiang Qu,^b Andreas Herrmann,^b Klaus Müllen,^b Johan Hofkens,^a Mark Van der Auweraer^{a*} and Frans C. De Schryver^{a*}

^aDepartment of Chemistry and Institute of Nanoscale Physics and Chemistry, Katholieke Universiteit Leuven, Celestijnenlaan 200 F, 3001 Heverlee, Belgium;

^bMax-Planck-Institute for Polymer Research, Ackermannstrasse 10, 55128 Mainz, Germany.

(*) Corresponding authors

Supporting Information Available

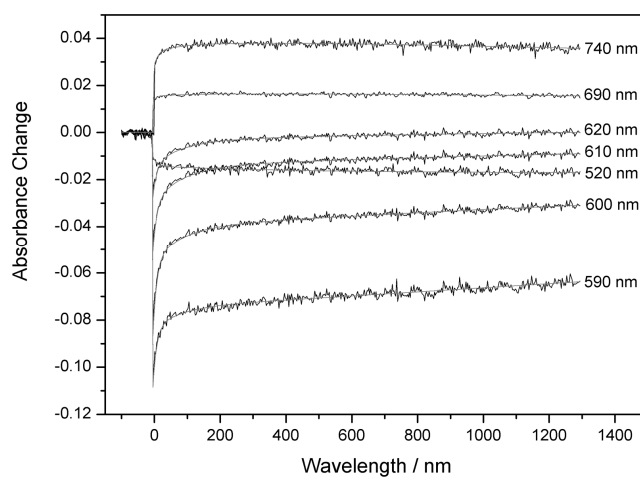


Fig. 1 SI. Time-resolved monochromatic transient absorption traces and the corresponding fits of **PDI1N₈** in toluene recorded in 1400 ps time window at different detection wavelengths as indicated in the figure.

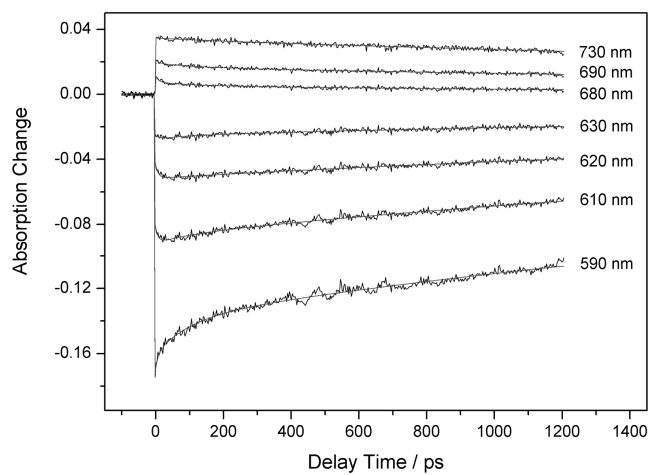


Fig. 2 SI. Time-resolved monochromatic transient absorption traces and the corresponding fits of **PDI2N₁₆** in toluene recorded in 1400 ps time window at different detection wavelengths as indicated in the figure.