

Electronic Supplementary Information (ESI) for the manuscript:

**Solvation State of Electron Shaping the Nature of the Product of its
Reaction with a Solute, Dissociative Electron Attachment
Mechanism of Pre-hydrated electron**

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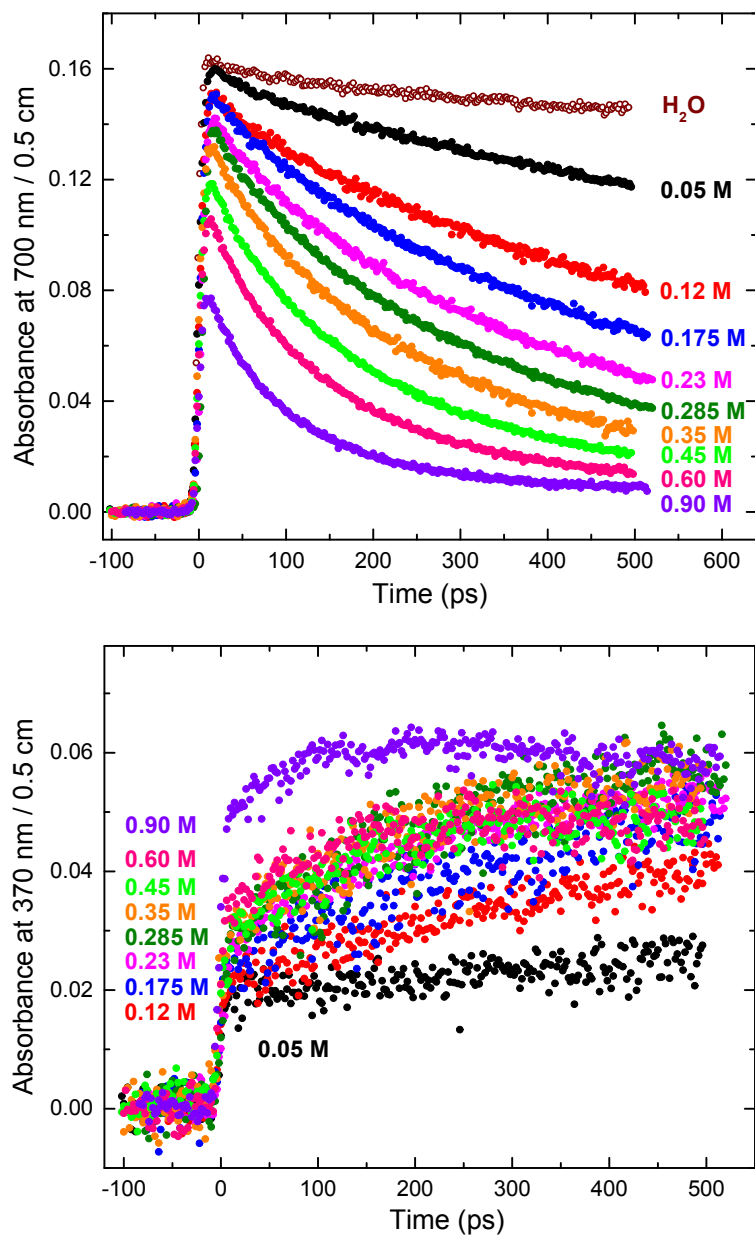


Figure S1. Time dependent absorption at 700 nm and 370 nm, obtained by pulse-probe method in the presence of silver cyanide at different concentration. Dose is 40 Gy per pulse.

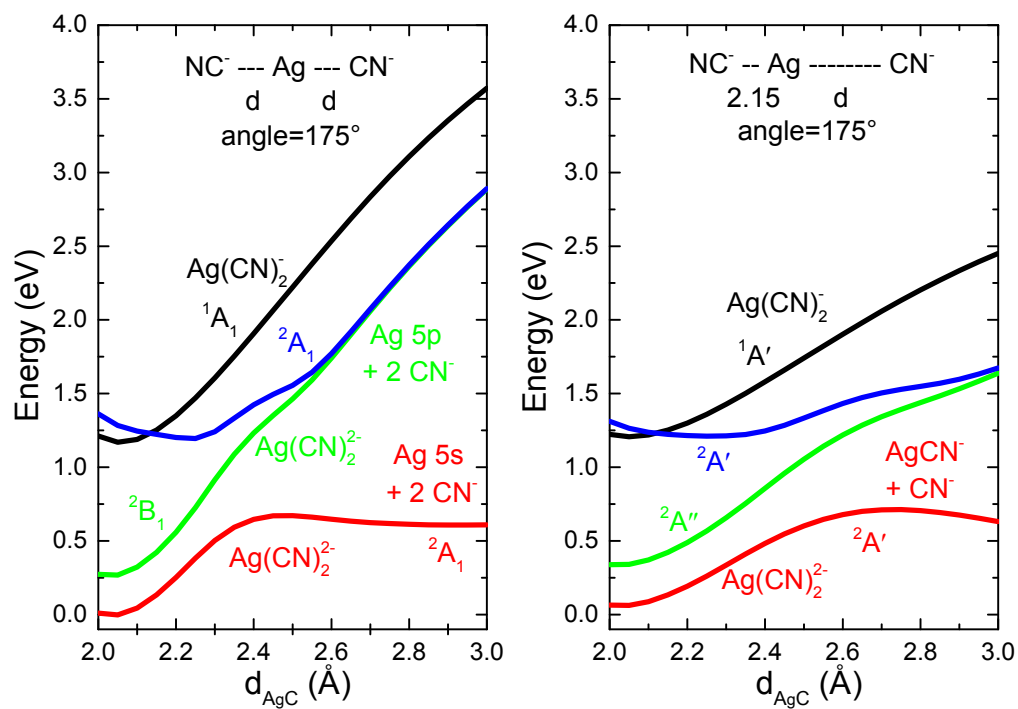


Figure S2. B3LYP potential energy curves for symmetric and non-symmetric stretching of the $\text{Ag}(\text{CN})_2^-$ and $\text{Ag}(\text{CN})_2^{2-}$ species in the bent geometry with a bending angle 175° .