

**Electronic supplementary information for: *In situ*
structural kinetics of picosecond laser-induced
heating and fragmentation of colloidal gold spheres**

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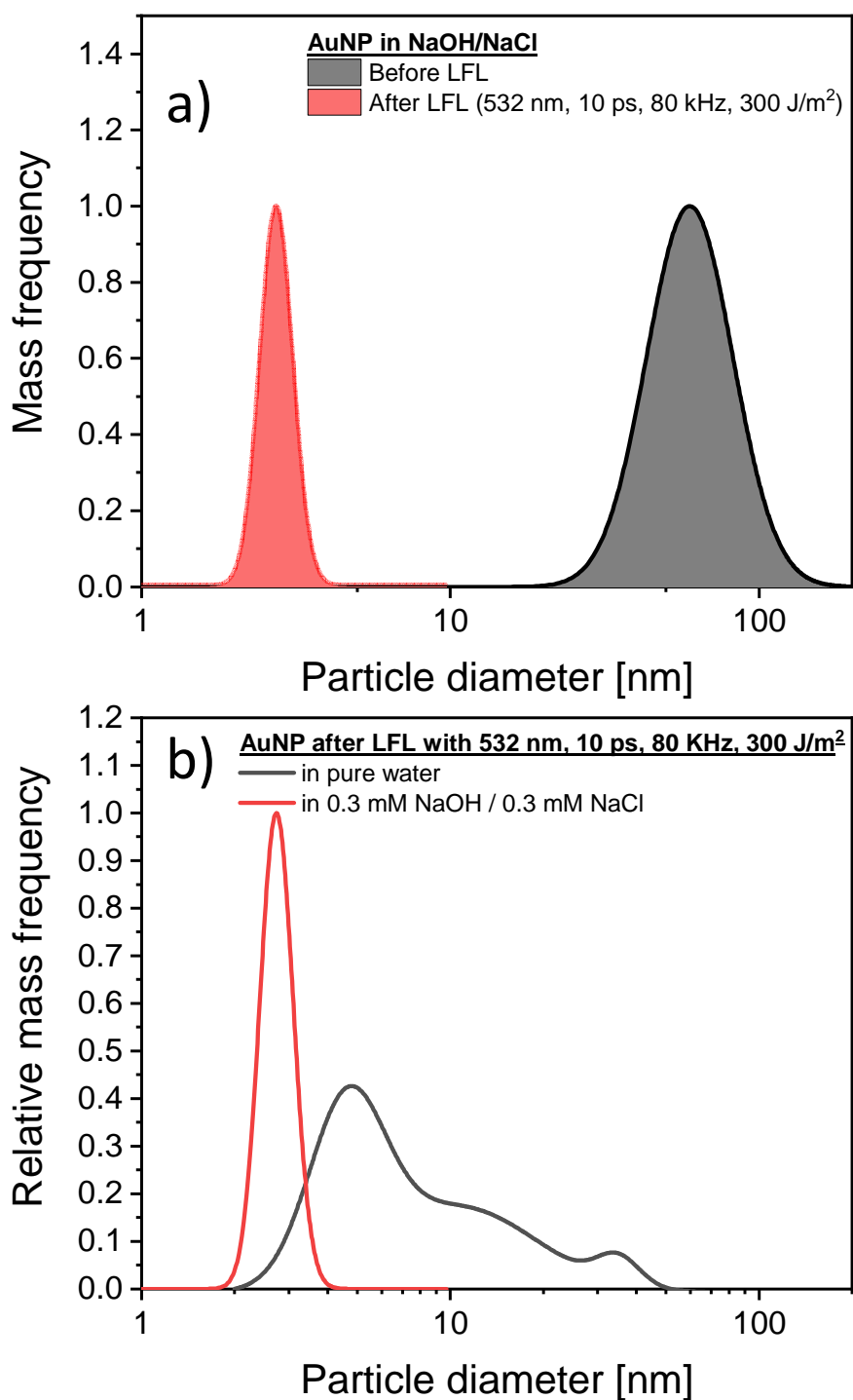


Figure 1: (Supplemental figure 1) a) Mass-weighted particle size distribution of educt and product particles (in 0.3 mM NaOH/NaCl) as derived by analytical ultracentrifugation (ADC). b) Mass-weighted size distribution of product particles in NaOH/NaCl as well as in pure water. The fragmentation has been performed with 10 ps pulses at 532 nm with 80 kHz repetition rate.

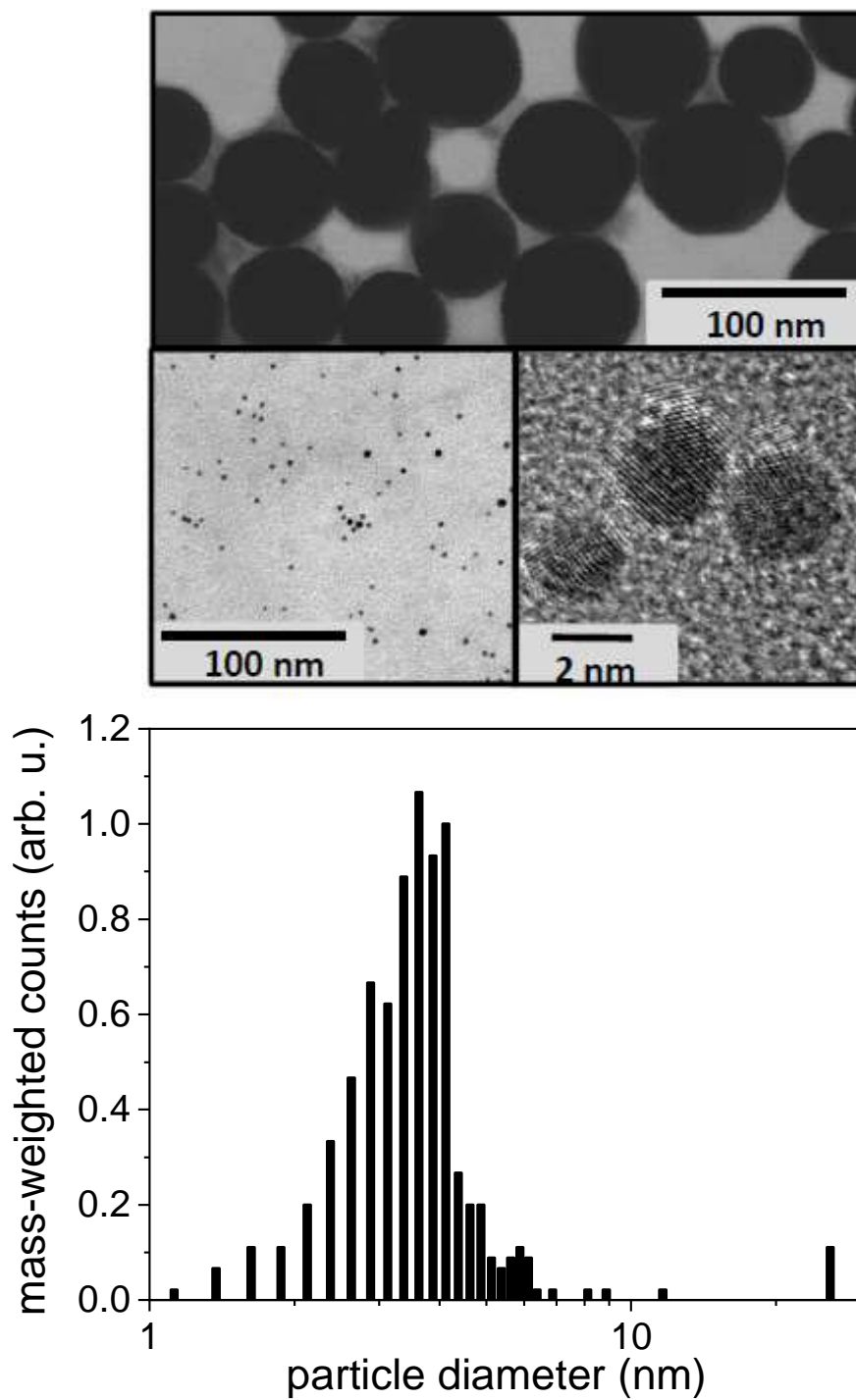


Figure 2: (Supplemental figure 2) TEM images of the educt and product particles as in fig. 1 and S1 together with a size histogram.