Timescales of C-H bonds in an empty SDS micelle 10fs saving, fit: 1 fs - 10 ns  $10^{4}$ 10fs saving, fit: 10 fs - 1 ns 100fs saving, fit: 1 fs - 10 ns 10<sup>3</sup> 100fs saving, fit: 10 fs - 1 ns Timescale [ps] 10<sup>2</sup> 10<sup>1</sup> 10<sup>0</sup>  $10^{-1}$  $10^{-2}$ 10 12 14 C-H bond