Electronic Supplementary Material (ESI) for Soft Matter

Effects of Spherical Fullerene Nanoparticles on a Dipalmitoyl Phosphatidylcholine Lipid Monolayer: A Coarse Grain Molecular Dynamics Approach

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I. FREE ENERGY CALCULATION CONVERGENCE

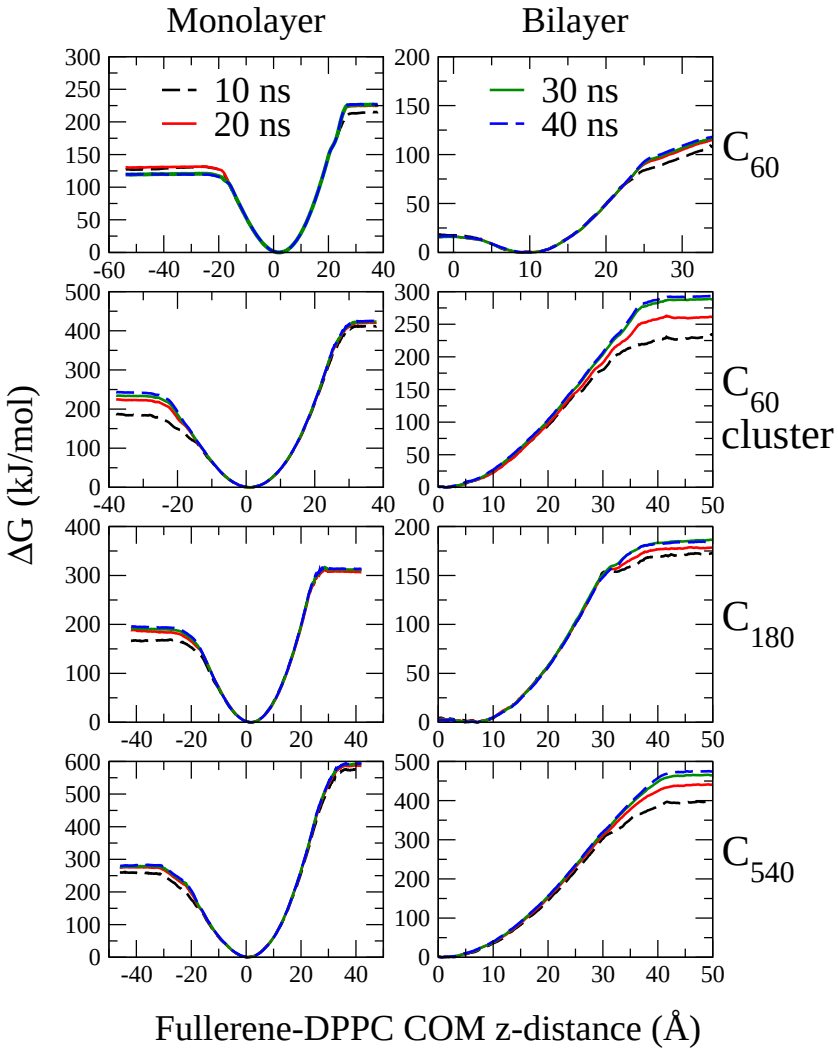

FIG. 1: Free energy profiles of a fullerene penetrating through a monolayer and a bilayer calculated after 10, 20, 30, and 40 ns of simulations. All the free energy profiles converge after 30 ns.