



سمینار هفتگی گروه ماده چگال نرم

Getting an Atomic (+ Electronic) View of Nature

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The theoretical study of functional proteomics requires a complete understanding of the different times scales in biochemical processes. The fast motions, often involving a chemical reaction, might require a time-dependent quantum mechanical description of the active site. The slow motions, responsible for conformational changes, require the description of the biological environment (such as protein-protein interaction, solvent, etc.) and various physical properties (such as temperature, pressure). An accurate description of these different time scales bridges the gap between theoretical and experimental studies.

Here we review recent work in our laboratory including the projection of the long time landscape energy exploration and recent QM/MM studies on protein-protein electron transfer.

زمان: شنبه 86/12/11 ، ساعت 16:00

مکان: آمفی تئاتر دانشکده فیزیک

قطب ماده چگال و سیستمهای پیچیده