Physics Colloquium

Biomolecular dynamics: combining experimental data with computer simulations

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Proteins are dynamic nanomachines that frequently carry out their function by conformational transitions. Therefore, understanding the function and malfunction of proteins requires understanding of their conformational dynamics, if possible in a time-resolved manner. We combine computer simulations with experimental data to derive such protein dynamics with atomic detail. The talk will highlight some examples of our recent research, including classical soft matter systems up to ultrafast "quake-like" protein dynamics.

Location: Monday 15 May 2017 at 16:30 in HS 2

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