

## **Nanoscale physics – poster presentation**

### **Interaction-induced absorption in argon-krypton mixture confined between graphite walls**

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Molecular-dynamics (MD) simulations have been used to calculate the many-body time-correlation functions and interaction-induced absorption spectra for the thin layer of binary argon (Ar)-krypton (Kr) mixture, confined between two parallel graphite walls. The many body correlation functions and the corresponding intensities of the interaction-induced absorption spectra have been studied, and considerable differences between the interaction-induced absorption spectra of the confined layer and bulk (unconfined) sample are observed.