

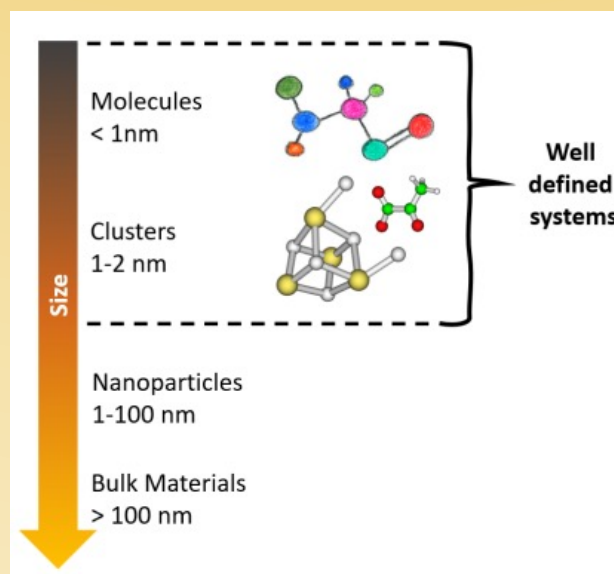


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Reactivity, Photochemistry and Spectroscopy of Cluster Ions

Clusters are bound ensemble of atoms or molecules with a size between a single molecule and a nanoparticle. Clusters are often well-suited model systems to simplify real molecular systems and get insight into molecular processes that are difficult to be followed in complex mixtures and systems. The research on clusters has potential impact in the field of catalysis, e.g. the hydrogen evolution or CO₂ activation at metal centers. Clusters also appear in the atmosphere e.g. in sea spray from the Ocean's surface or gaseous clusters in the troposphere like CO₃^{•-}(H₂O)_{0,1,2}. In my presentation I will give an overview on different aspects of atmosphere and catalysis related cluster systems.



Tuesday, 01.10.2024, at 16:30 h, HS C (Technik)

Innsbruck Physics Colloquium,
Organisation: K. Erath-Dulitz, H.-C. Nägerl, T. Schrabback