



SFB 956 colloquium on April 8, 2013

Internal presentation

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Presentation title| Ion-molecule Reactions at Low Temperature: $N^+ + H_2$

Mini-abstract

Long time ago people thought that at low temperature chemical reactions are inhibited. The molecules found in cold clouds prove the contrary. In fact, at low temperature many quantum-mechanical details (rotational states, fine-structure etc.) govern the outcome of a reaction. In this short presentation, the example ion-molecule reaction $N^+ + H_2$ is presented, which was recently re-measured in our and other laboratories.