ABSTRACT

The present work deals with the study of change in dynamics observed for a double well potential (HCN-HNC isomerization) in the Kramers-Henneberger frame under the in uence of periodic driving. This change in dynamics gives us an insight into the chemistry of barriers in reaction pathways, namely the transition state. Along with the nuclear dynamics, preliminary investigations has also been performed on the electronic structure of HCN under the in uence of oscillating fields.