ISOMERIZATION OF CH_2Cl-I TO CH_2ClI IN CRYOGENIC MATRICES: A STUDY ON ULTRAFAST TIMESCALE

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We follow up on the previous talk on ultrafast timescale studies of the isomerization between CH_2ClI and CH_2Cl-I in cryogenic matrices. We establish a population of CH_2Cl-I in cryogenic matrices and then pump the two lowest electronic absorption features of CH_2Cl-I near 435 nm and 800 nm. Then we study the formation of CH_2ClI and CH_2Cl-I by probing electronic absorption features of both isomers.