

AU Blanchet, V, L'Hermite, JM, Le Padellec, A, Lamory, B, Labastie, P

ED Hynes, J; Hynes, JT

TI Vibrational relaxation of photoexcited Na3F

SO FEMTOCHEMISTRY AND FEMTOBIOLOGY: ULTRAFAST EVENTS IN MOLECULAR SCIENCE

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AB We have investigated the vibrational relaxation of Na3F by time-resolved photoionization at the threshold. Among the two isomers of Na3F, we have studied the excited electronic states of the C-2v one. The pump-probe signal clearly shows damped oscillations, the period of which is fitted to 390 8 fs, close to twice the previously measured bending mode of Na2F,[1] while the relaxation time is 1275 50 fs.

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