IN SEARCH OF VIBRATIONALLY EXCITED STATE MONODROMY IN NCNCS

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At previous ISMS meetings we have reported on the effects of monodromy on the ν_7 bending mode of NCNCS. The presence of monodromy was established directly from experimental data collected at the Canadian Light Source. To aid that work we assigned some of the spectrum of the ν_7 manifold built on the ν_3 stretching mode. In this talk we will discuss a more complete assignment of the ν_3+ν_7 spectrum. One of our goals is to consider the impact of stretching on the monodromy of the ν_7 mode. We will attempt to use the same Generalized SemiRigid Bender model as was applied to the pure ν_7 mode.