

Supplementary Information

Photoexcited energy relaxation and vibronic couplings in π -conjugated carbon nanorings

B. Rodríguez-Hernández^a, N. Oldani^a, A. Martínez-Mesa^b, Ll. Uranga-Piña^b, S. Tretiak^c and S. Fernandez-Alberti^a.

^aDepartamento de Ciencia y Tecnología, Universidad Nacional de Quilmes/CONICET, B1876BXD Bernal, Argentina.

^bDynAMoS (Dynamical processes in Atomic and Molecular Systems), Facultad de Física, Universidad de La Habana, San Lázaro y L, La Habana 10400, Cuba.

^cTheoretical Division, Center for Nonlinear Studies (CNLS), and Center for Integrated Nanotechnologies (CINT), Los Alamos National Laboratory, Los Alamos, NM 87545, USA.

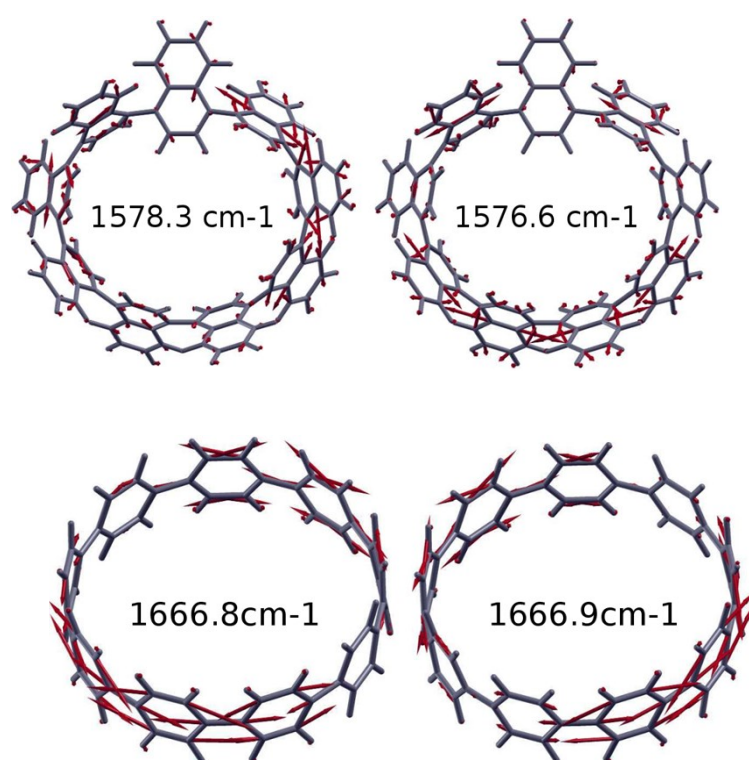


Figure S1. Normal modes associated to the minor peak of the distribution of the projection of NACR₁₂ at the moment of effective $S_2 \rightarrow S_1$ transition onto the basis of ES-ENM(S_1) shown in **Figure 8**.