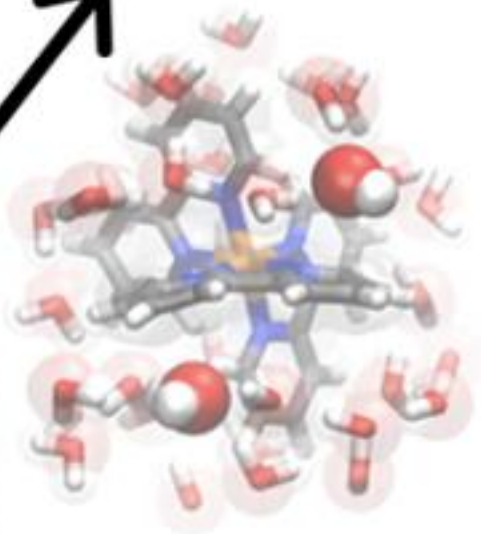
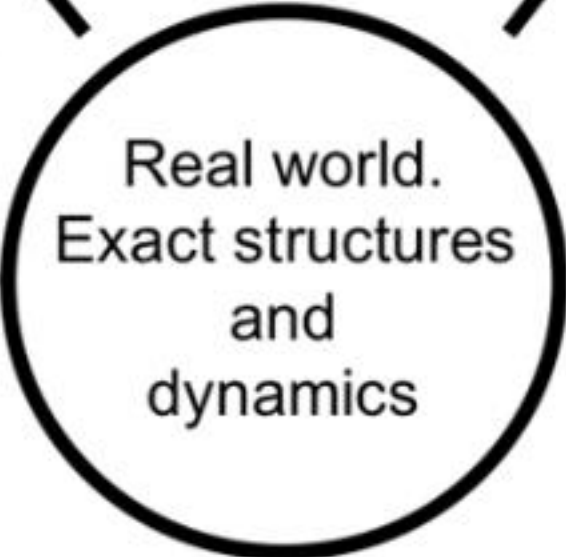
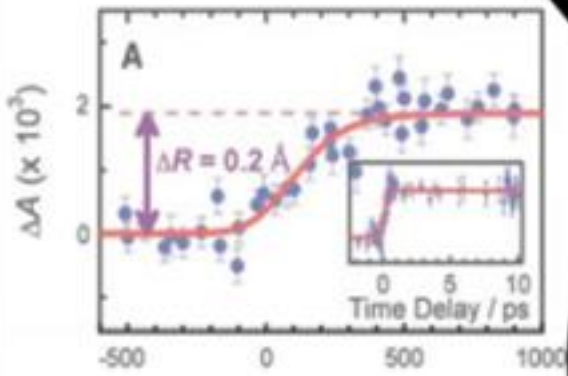
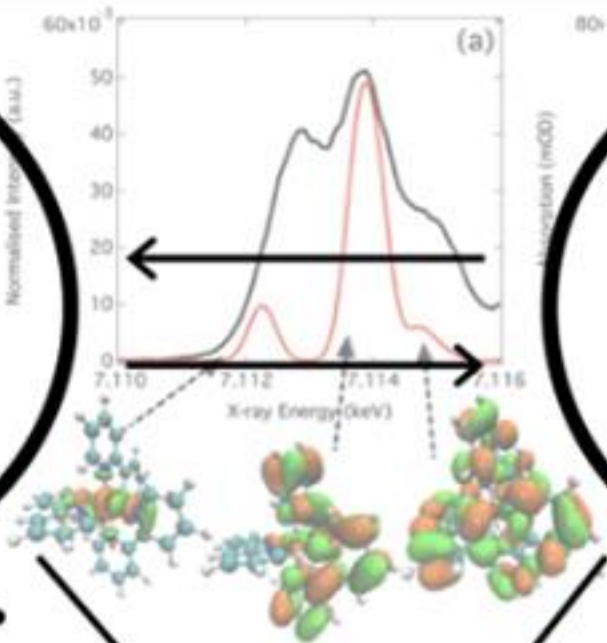
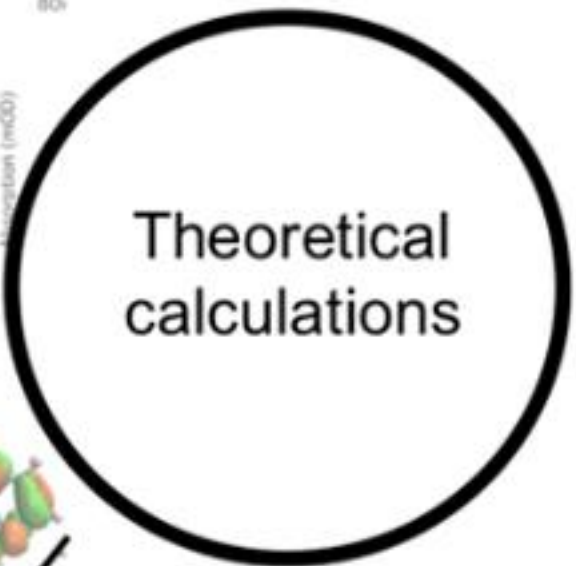


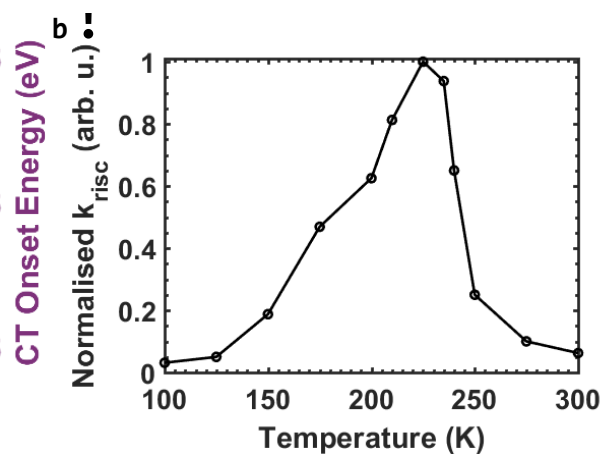
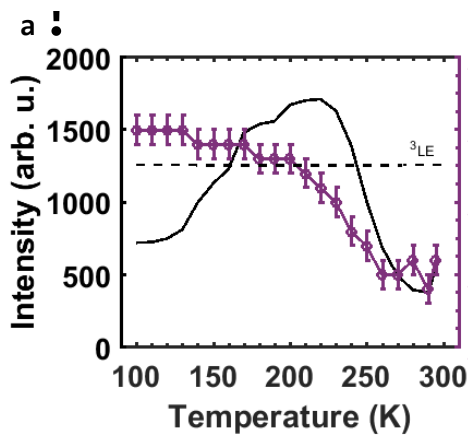
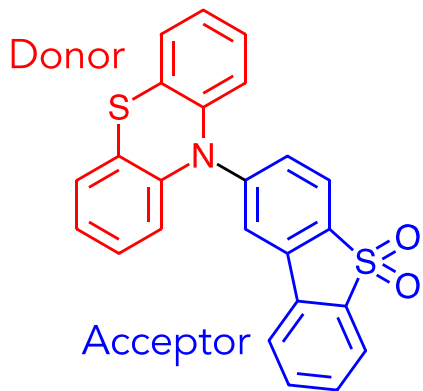
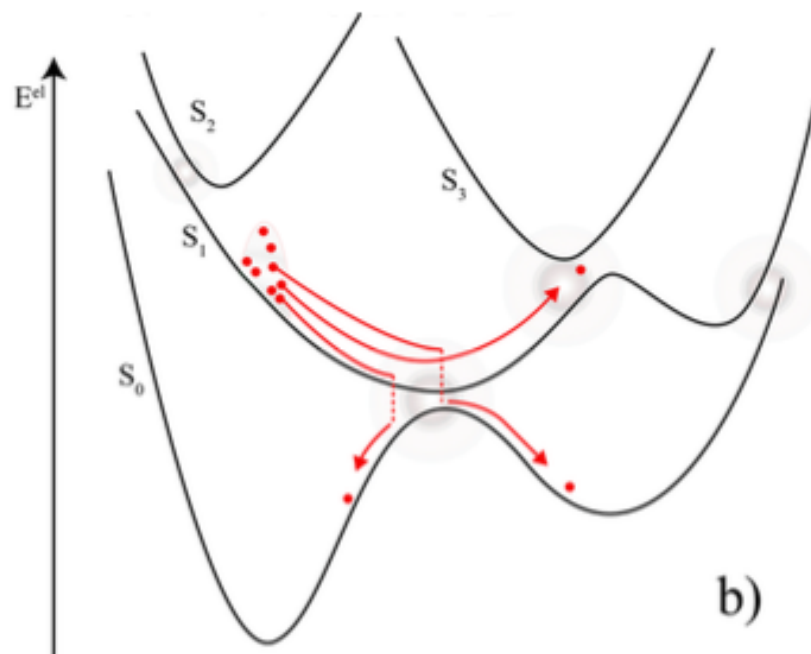
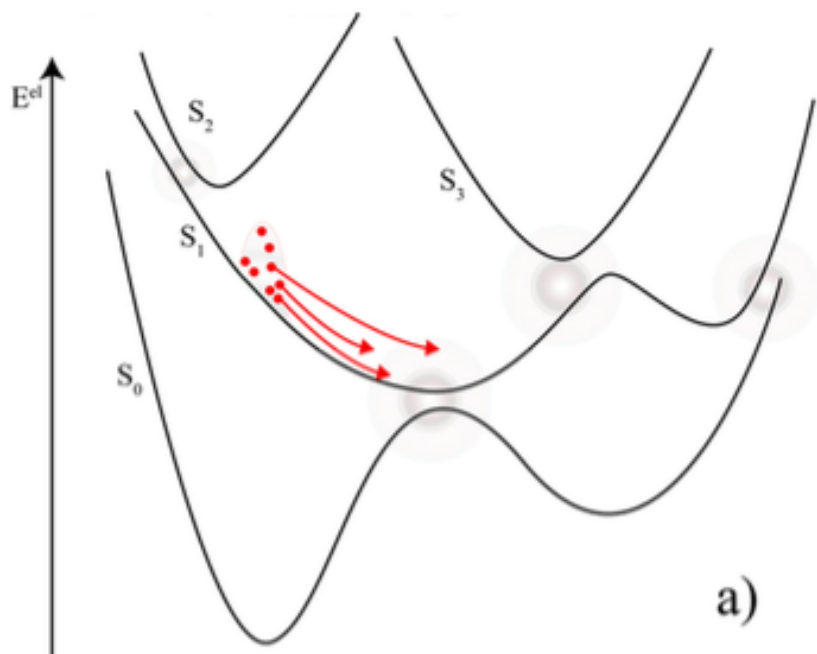
Using quantum dynamics to reveal properties of excited states

Tom Penfold

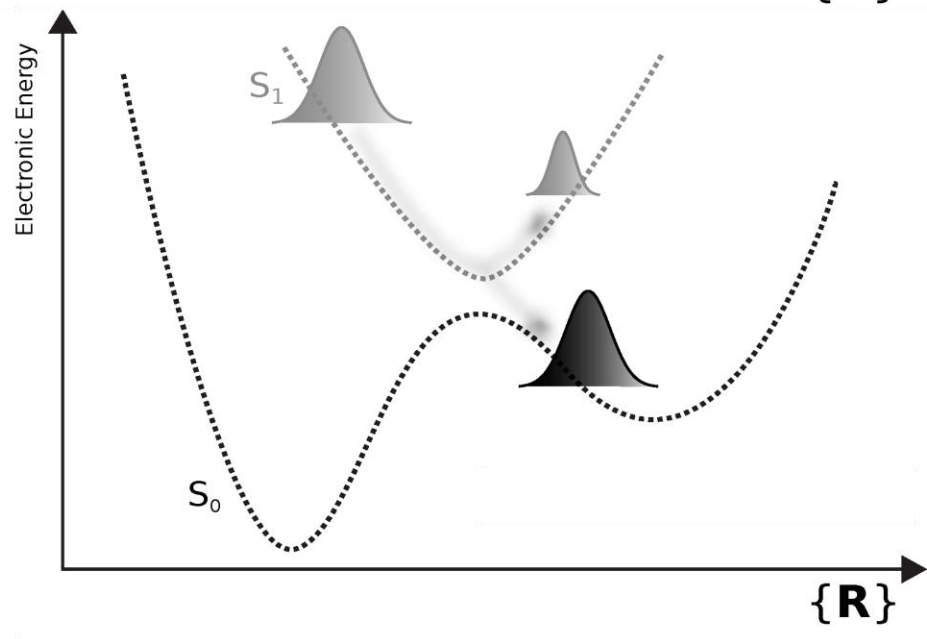
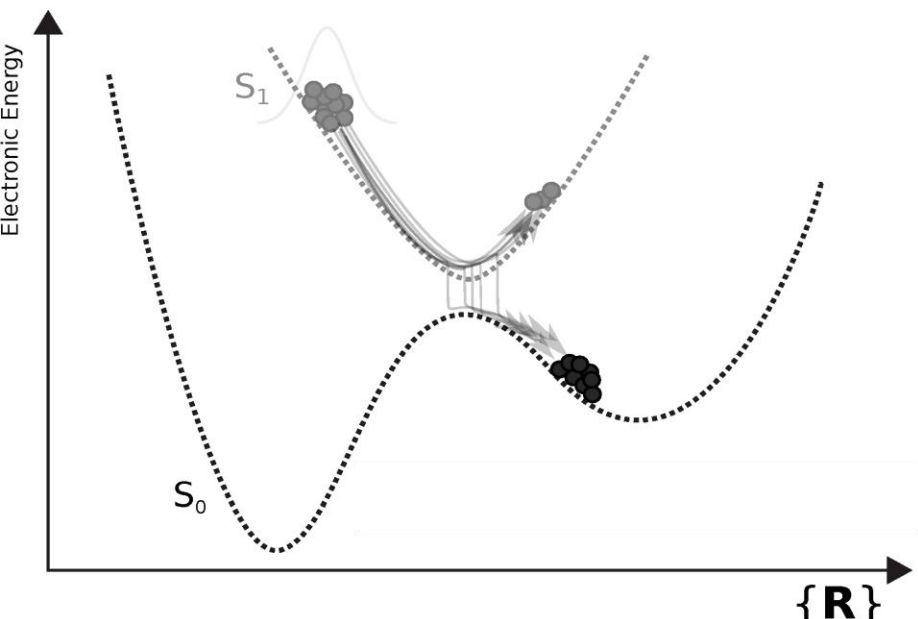
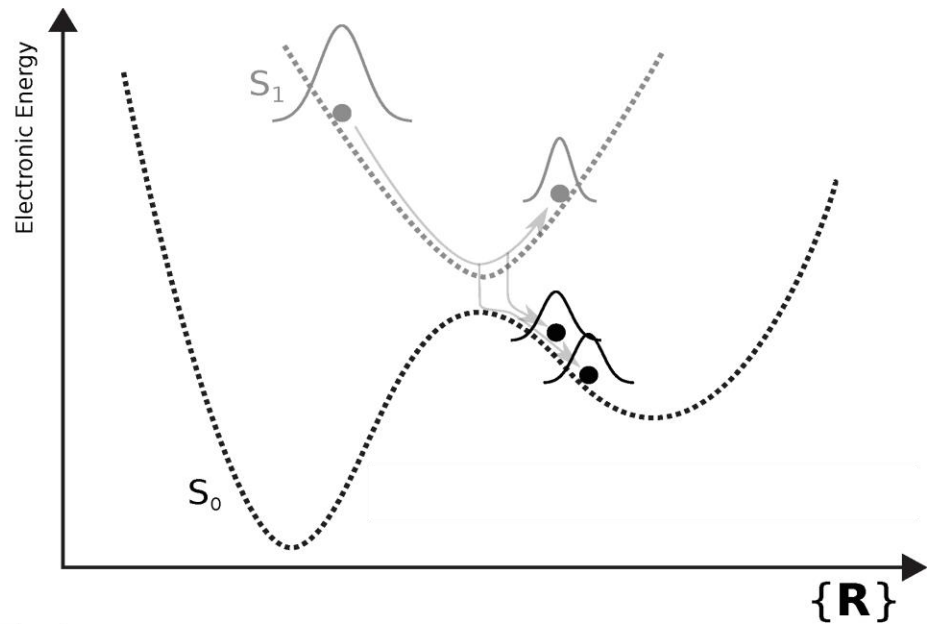
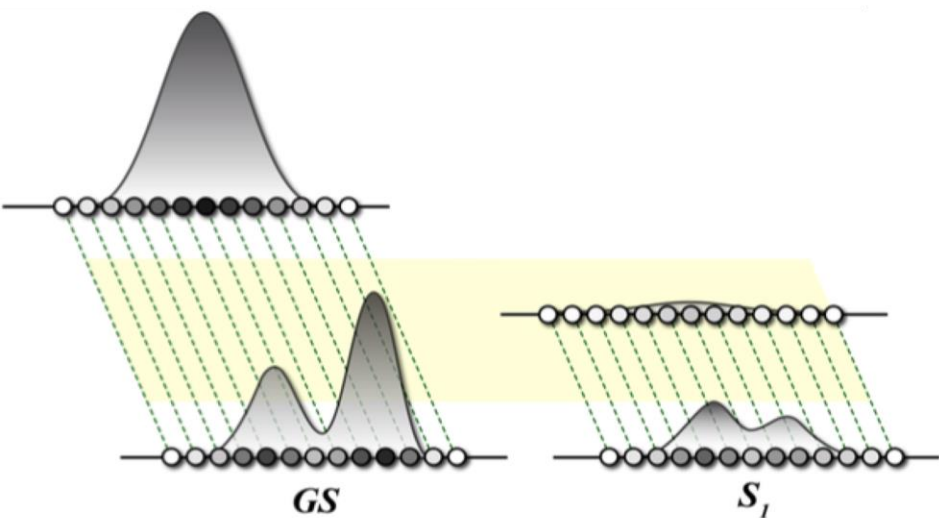
tom.penfold@ncl.ac.uk

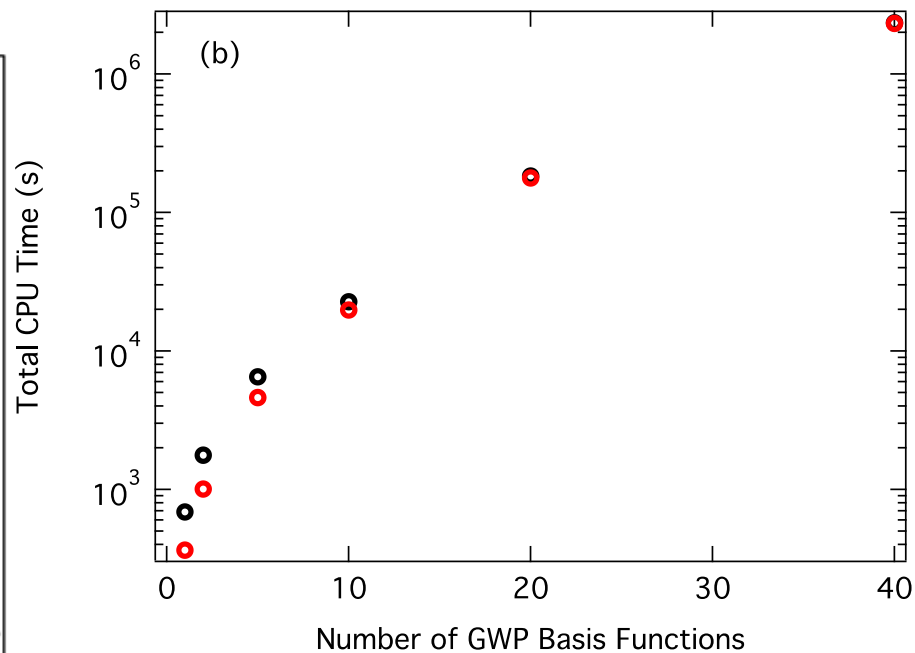
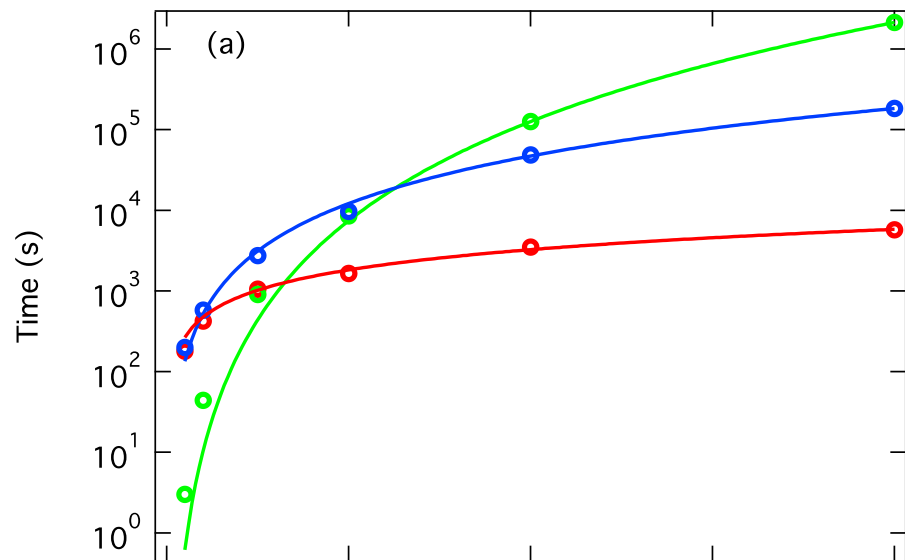
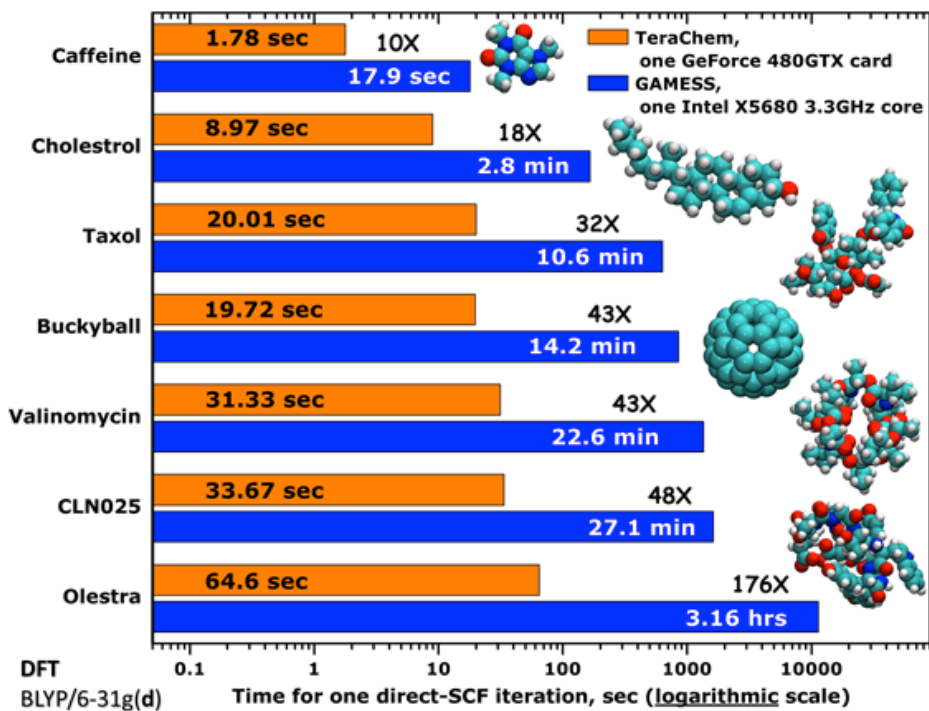
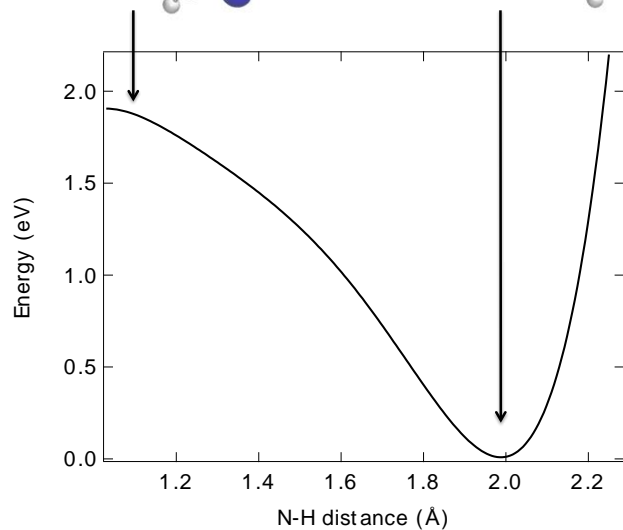
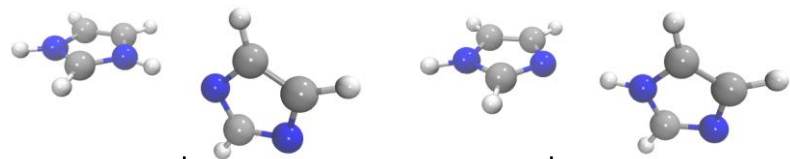


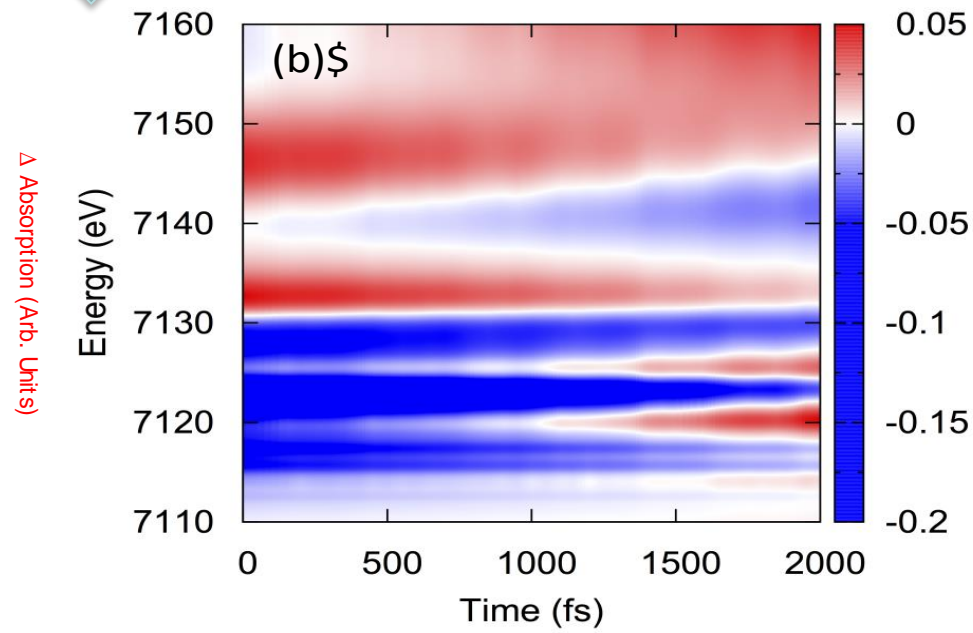
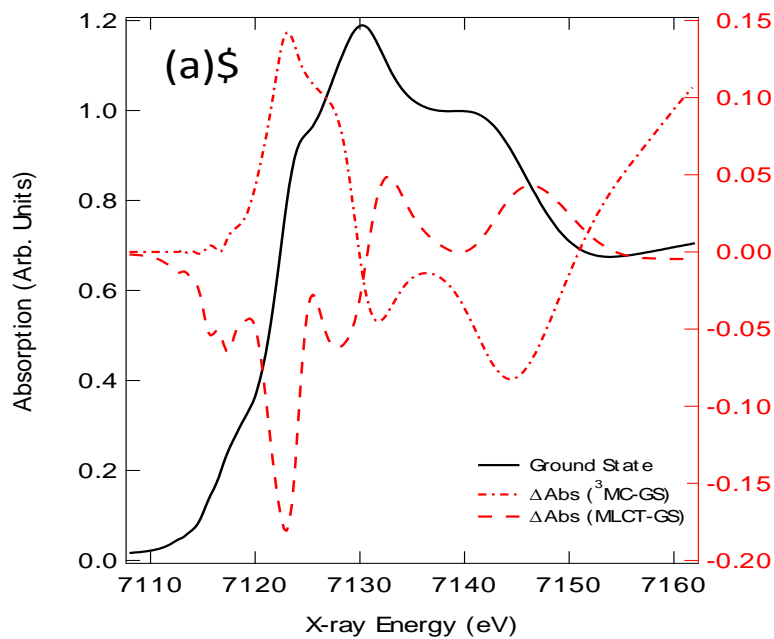
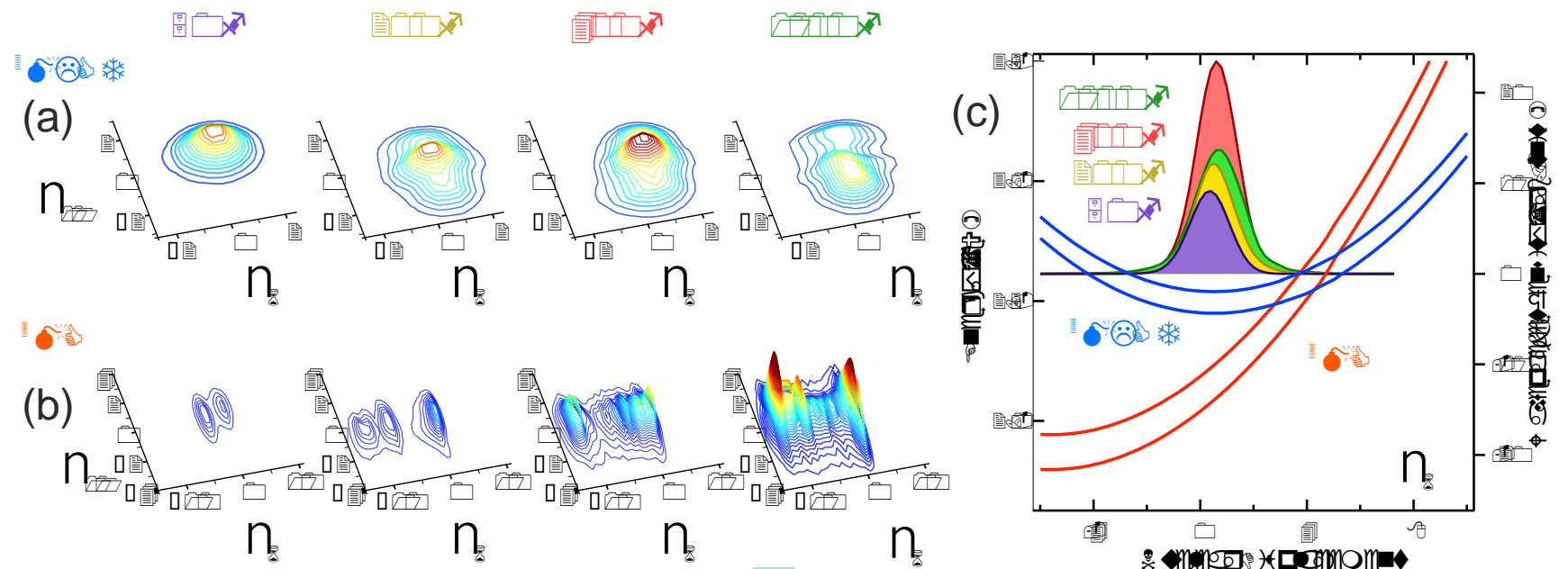
Excited State Dynamics



Methods for Dynamics







Summary

Main interest/Skills

- Non-equilibrium dynamics with quantum nuclear effects.
- Excited state dynamics.
- Quantum nuclear dynamics.
- Spectroscopy, especially time-resolved and core-level.
- Collaborations with experimental groups.