1 Rmax (for including basis set state) 2 V\_intra 3 a\_intra 4 detector\_energy\_window\_size

5. nonadiabatic\_coupling

delt tmax tprint

electronic\_state\_num electronic\_state\_energy[i] xtl ytl

maxdis (maximum distance in state space for constructing anharmonic coupling) cutoff , Franck\_Condon\_factor\_cutoff

for each side:

nmodes[i] proptime[i]

mfrequency (frequency of modes) nmax (vibrational quantum number cutoff) EV\_coupling\_V (Huang-Rhys factor)

initial states