1 Energy\_window 2 detector\_only 3 Detector\_Continue\_Simulation

1 Rmax 2 V\_intra 3 a\_intra 4 detector\_energy\_window 5 coupling\_to\_coordinate0 spin\_down 6 coupling\_to\_coordinate1\_spin\_up 7 electronic\_state\_coupling\_strength (t in Logan’s note)

delt tstart tmax tprint

tlnum tle[i] xtl ytl

maxdis cutoff kelvin

for each side:

nmodes[i] proptime[i]

# first mode should be electronic state’s energy and nmax must set to 1.

mfrequency nmax modtype premodcoup modcoup

initial quantum number state.