1 intra\_detector\_coupling\_noise\_bool 2 inter\_detecter\_coupling\_noise\_bool 3 Continue\_Simulation 4 Energy\_window

5 detector\_only 6 Detector\_Continue\_Simulation 7 Random\_bright\_state (0 means false, 1 means true)

1 intra\_detector\_coupling\_noise 2 inter\_detector\_coupling\_noise 3 energy\_window 4 initial\_energy

5 noise\_strength 6 Rmax 7 V\_intra 8 detector\_energy\_window **9 detector\_lower\_bright\_state\_energy\_window\_shrink** 10 state space distance for nearby state 11 Energy\_Range\_4\_point\_corre\_function\_average

12 Distance\_Range\_4\_point\_corre\_function\_average 13 Emin (for Intel MKL) 14 Emax (for Intel MKL)

15 Emin2 16 Emax2 (Emin2 and Emax2 is for energy window.)

delt tstart tmax tprint

tlnum tle[i] xtl ytl

matflag maxdis cutoff cutoff2 kelvin

for each side:

nmodes[i] proptime[i]

mfrequency nmax modtype premodcoup modcoup