**END-CONDITIONS for ASCOT5 simulations**

There is an array ENDCOND in the ‘endstate’ group of output variables which is an integer array that specifies why ASCOT terminated an orbit’s simulation. The possible endconditions and their corresponding integer is given in the table below. I’m pretty sure this table is incomplete, for example I think that there should be an endcondition corresponding to value 128.

aborted 0

max simtime 1

minimum energyemin 2

thermalized 4

emin\_and\_thermalized (?) 6

hit\_wall 8

minimum rho 16

maximum rho 32

unknown = 40 (combination of maximum rho and hit\_wall?)

max cputime 256

hybrid 512

hybrid\_rho 544 (probably combination of hybrid and maximum rho?)

unknown 520 (probably combination of hybrid and hit\_wall?)