

Start

Initialisation
Particle creation

Move particles over Δt
Energy Conservation

Boundary conditions
Evaporation

Parameter updates
Potentials etc.

Cell Indexing

Inelastic losses

Cell Indexing

Collision sampling
Calculate new timestep

Output physical properties
 $V, T, \tilde{\rho} \dots$

Stop condition reached?
 $t > t_{\text{end}}$ or $\tilde{\rho} > 1$
or $N < N_{\text{threshold}}$

No

Yes

Give summary
Finish