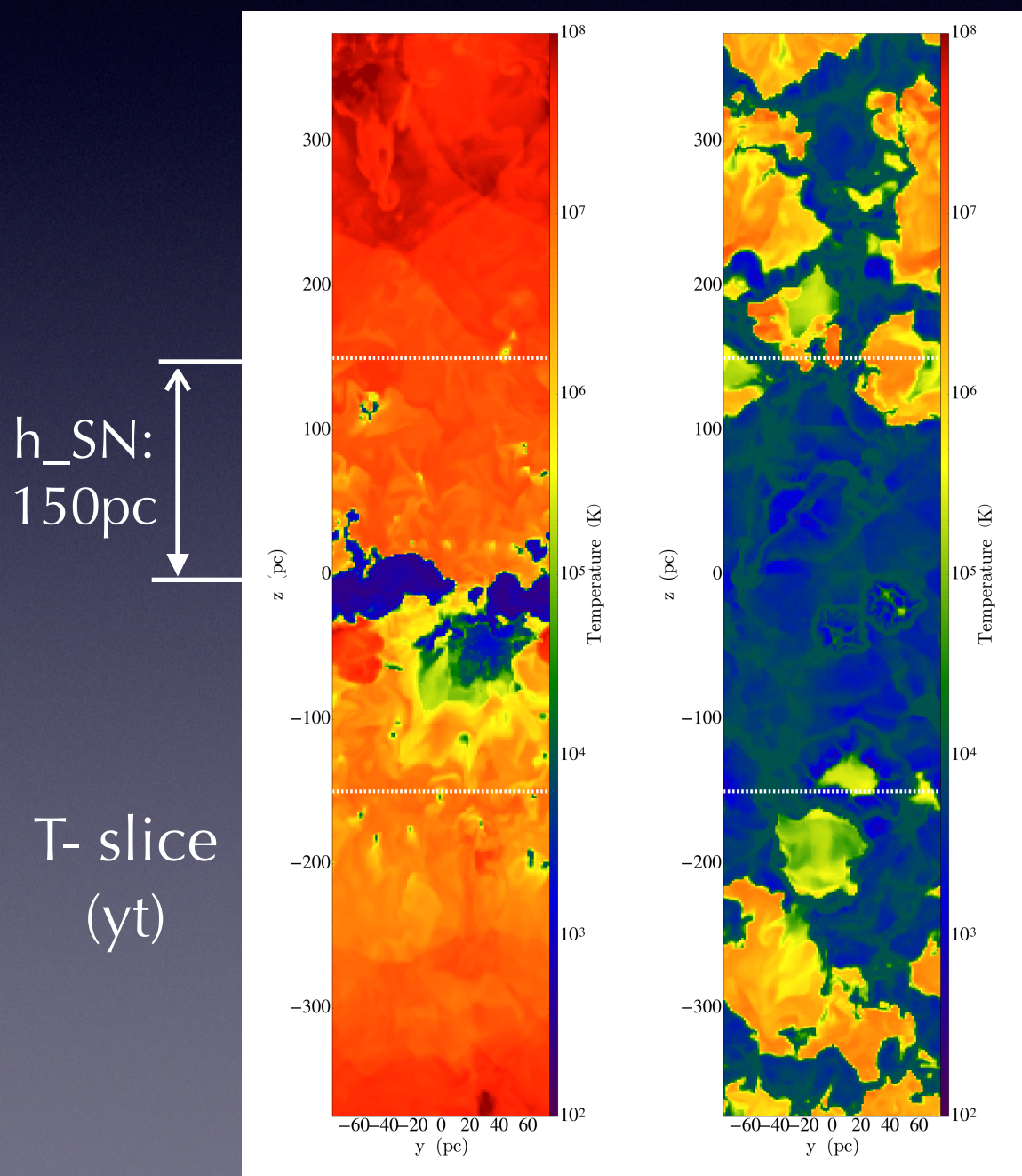


When do Supernovae drive outflows?

Miao Li - Columbia Univ.

thermal
runaway (TR) equilibrium



— TR or not?

SN density Vs ISM Pressure
(thermal, turb,
B-field, CR)

— Self-consistent ISM state non-trivial

— TR or not means a lot:

- wind loadings differ by 10x
- CR advection Vs diffusion
- photon escape fraction

Li+15; Li, G. Bryan, JP Ostriker in prep