THE PHYSICS OF THE DISC-CORONA INTERFACE:

How galactic fountains regulate the accretion and quenching

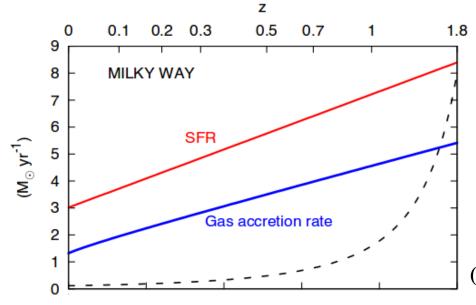
Lucia Armillotta

RSAA - Australian National University

Collaborators: F. Fraternali, F. Marinacci

FROM BLACK HOLE TO ENVIRONMENT – Canberra, 23/08/2017

How does gas accretion take place?

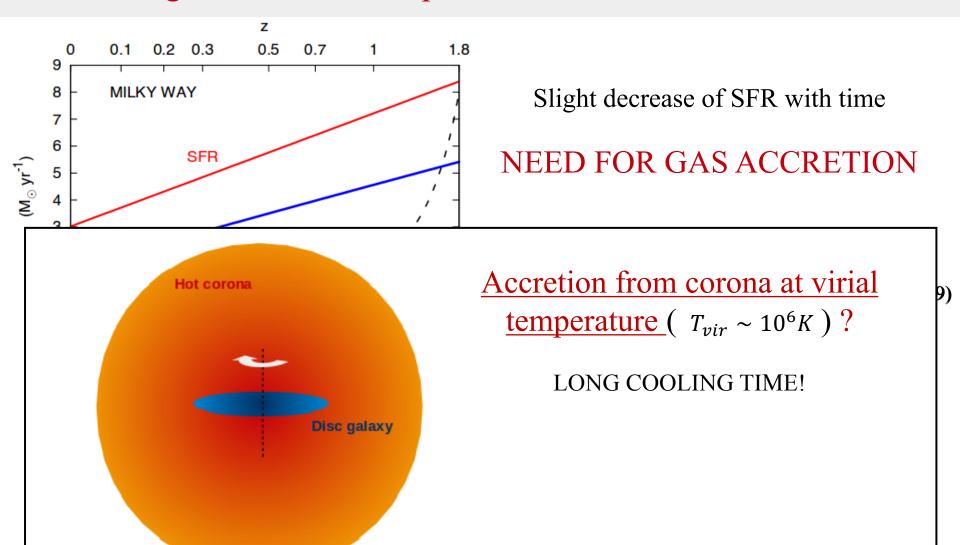


Slight decrease of SFR with time

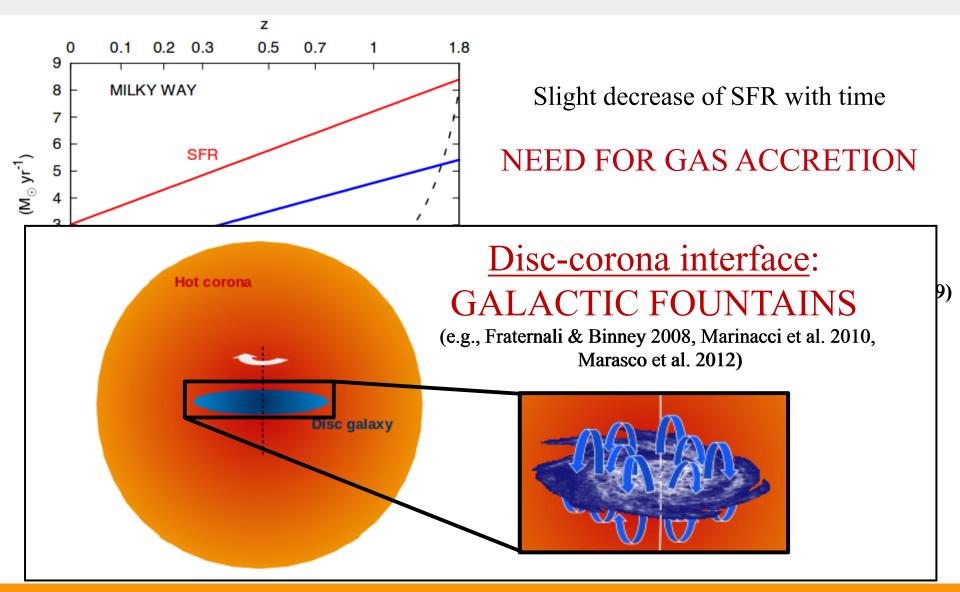
NEED FOR GAS ACCRETION

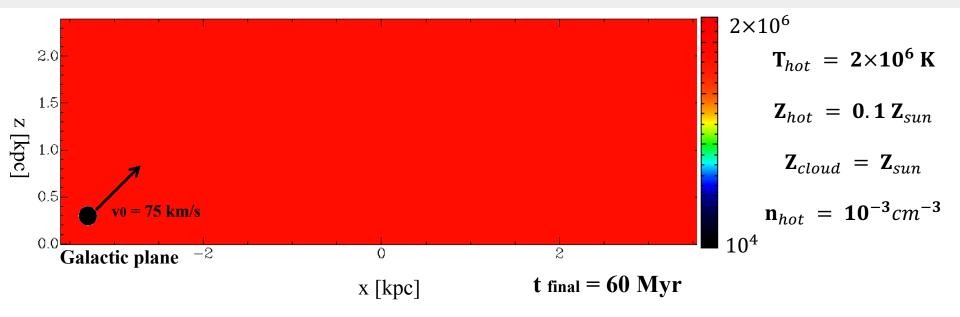
(e.g., Fraternali & Tomassetti 2012, Aumer & Binney 2009)

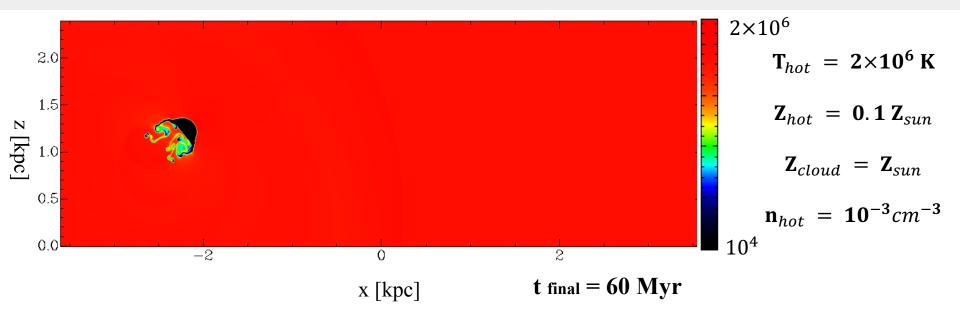
How does gas accretion take place?

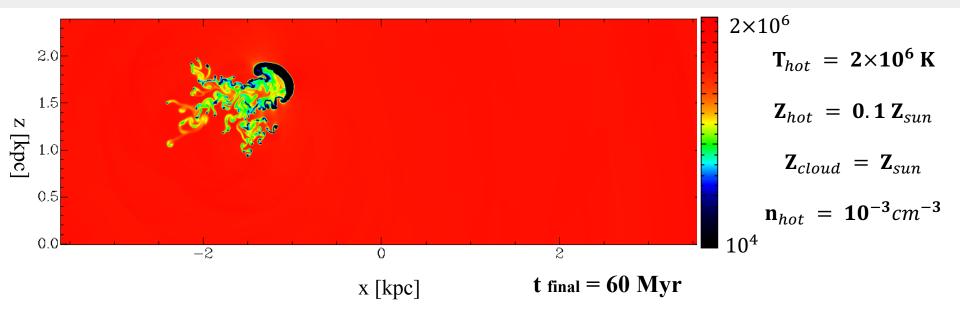


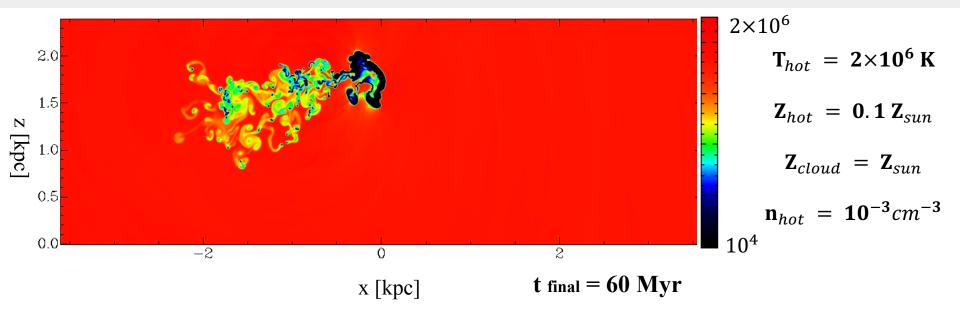
How does gas accretion take place?

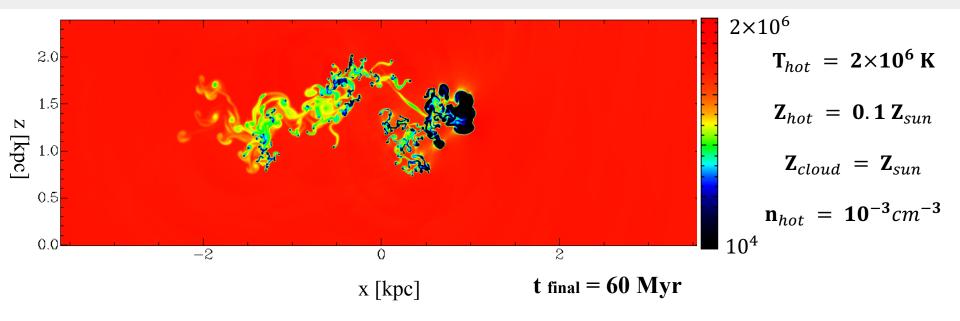


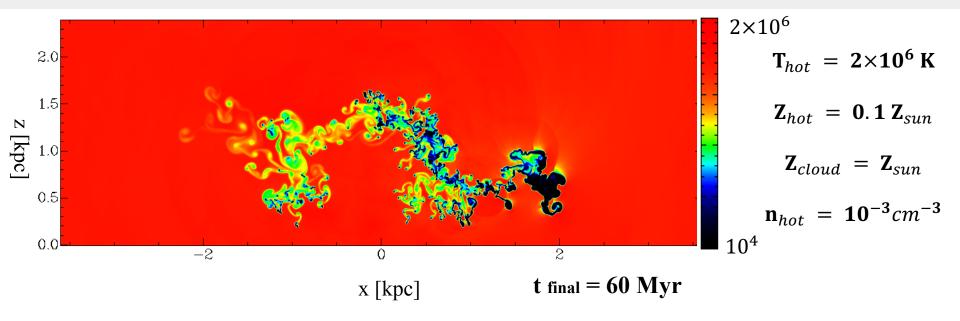


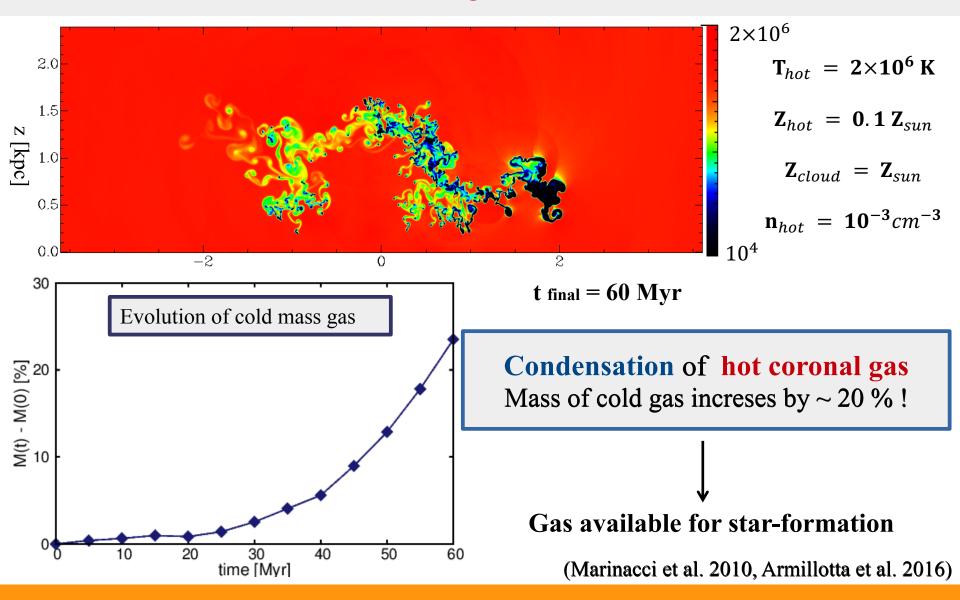




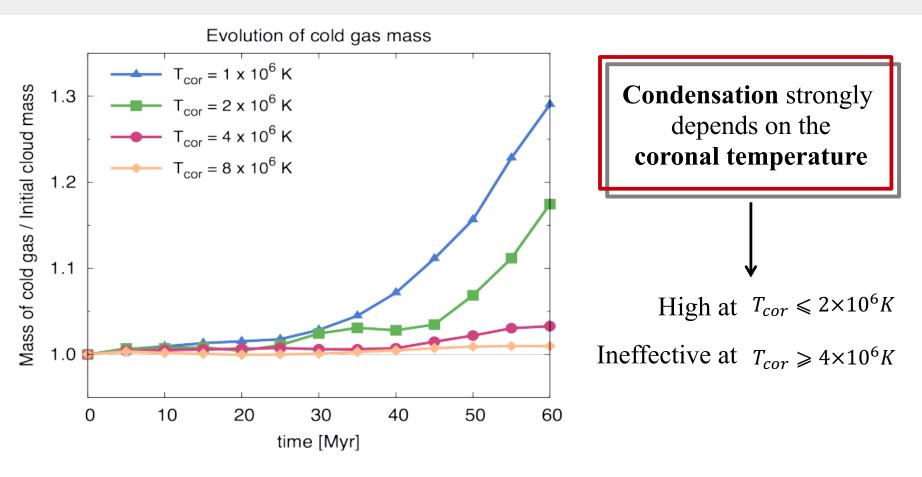




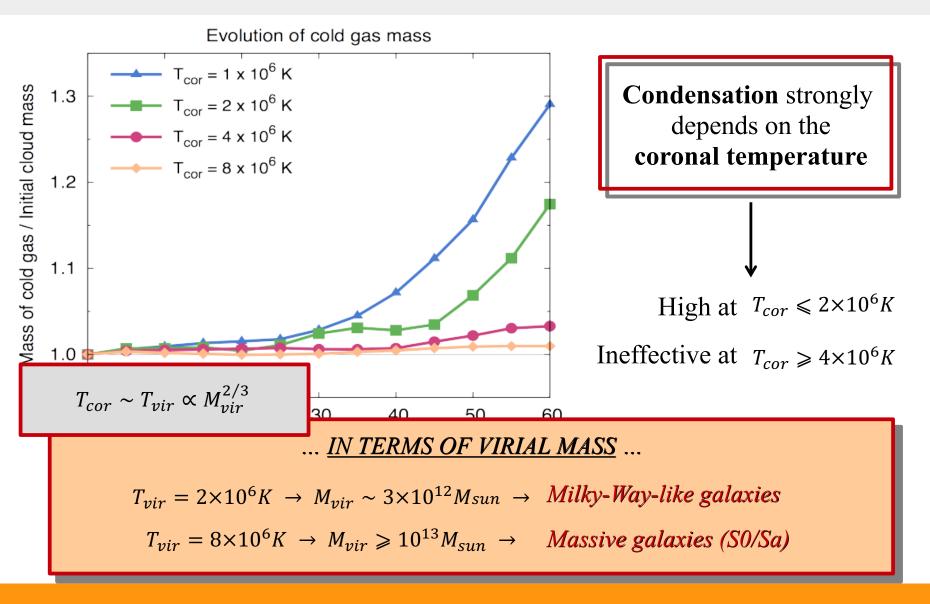




Efficiency of condensation at different coronal temperatures



Efficiency of condensation at different coronal temperatures



Efficiency of condensation at different coronal temperatures

