Gas density (high resolution) d) Federrath et al. (2014) a) Threshold based model b) Semenov et al. (2016) c) Evans et al. (2022) 15 0.5 10 0.0 -10-15-2.0[kpc]

-10

x [kpc]

10

10

-10

x [kpc]

10

-10

x [kpc]

10

-10

x [kpc]