

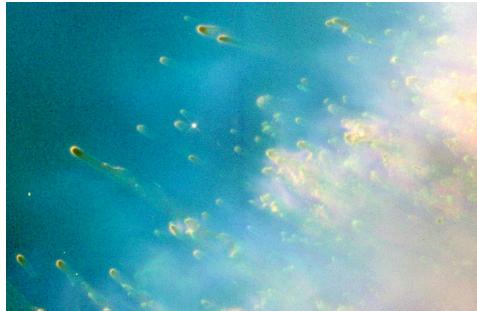
Four ways to produce strong ionic and H₂ emission

- ◆ Advection of molecular gas into hot ionized regions
- ◆ “extra heating” - heat deposition by shocks, dissipative MHD waves, etc
- ◆ Ionizing particles
- ◆ Very hard SED



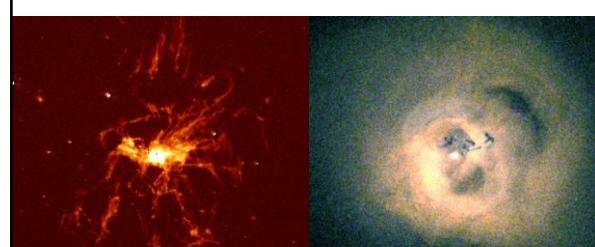
Advective flow of H₂ into H⁺ region

- ◆ Henney+ 07



Cool core cluster filaments

- ◆ Thermal particles from surrounding hot gas



– Johnstone+ 07, Ferland+ 08, 09, Fabian+ 11

