Elliptical galaxies have multiphase ISM

Internal origin of cold gas: spatially distributed cooling process triggered by AGN feedback outbursts

Dust content of cold gas: crucial test for its origin

Three models of ellipticals

Hydrodynamical simulations

Dust evolution: sputtering+growth to

Quantify off-centre cooled gas

Understand when and where gas cools because of thermal instabilities

Analyze dust content of cooled gas