

S22a **Mechanical Feedback by AGN Jets and UFOs**

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The most powerful mechanical outflows generated by AGN are relativistic jets and mildly relativistic Ultra Fast Outflows (UFO). Hydrodynamic simulations have elucidated the role that AGN jets play in driving out cold gas at the center of protogalactic environments on kpc scales (Wagner, Bicknell, & Umemura 2012) and regulating the temperature of the intercluster medium on Mpc scales (e.g. Gaspari et al 2010). In contrast, the impact of UFOs on the multiphase galactic ISM has not yet been studied in detail with similar hydrodynamic simulations. We present new global simulations of the interactions of AGN jets and UFOs with a two-phase fractal ISM, and discuss the fate and observational features of the dispersed gas.