

THE COLD GAS HISTORY OF THE UNIVERSE

ARE WE IN FOR SURPRISES?

First evidence from molecular deep field studies suggests that cosmic cold gas density is dominated by the gas that resides in normal main sequence galaxies. Once we refine this measurement, will surprises come from gas-rich star-forming galaxies with unusually low SFE or from sizeable gas reservoirs hidden away in quiescent objects? Or both/neither?

First blind CO survey for molecular gas in HDF-N (110 hr w/ PdBI):



