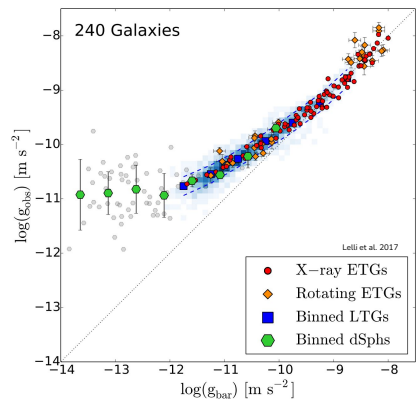


The radial acceleration relation at the EDGE of galaxy formation: challenging its universality in low-mass dwarf galaxies



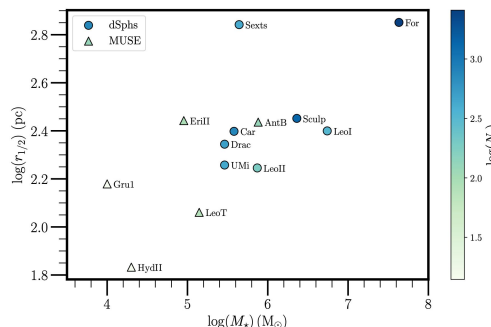
Context & Aims

The RAR links the baryonic mass distribution of galaxies to their observed gravitational acceleration and was established using ~200 late-type galaxies

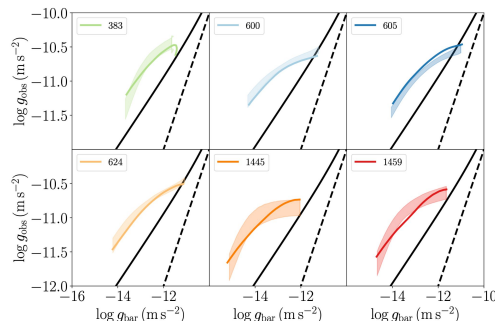


We extend the RAR to the lowest baryonic masses yet probed ($10^4 < M_{\star} / M_{\odot} < 10^{7.5}$) using radially resolved stellar kinematics of 12 nearby dwarf galaxies

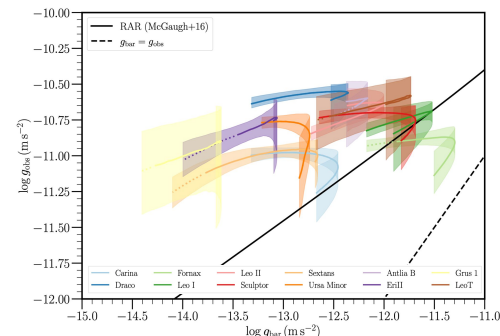
Analysis



We infer the mass profiles of the dwarf galaxies with GravSphere and compare the resulting acceleration profiles with dwarf galaxies from the EDGE Λ CDM simulations.



Results



Most dwarfs lie systematically above the extrapolated RAR

