

Numerical simulations of dwarf galaxy merger trees

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Sample merger tree
(timing of mergers)

Sample merger orbits
(initial positions and velocities)

Populate protogalaxies with dark matter and gas

Simulate evolution using N-body/SPH code

Compare with data

The models reproduce the observed photometric and kinematic scaling relations of dwarf galaxies and have metallicity distributions that compare well with those observed in Local Group dwarfs. We investigate how individual merger histories cause scatter on these relations.

