

The fate of heavy elements in galaxies

The role of mass and geometry

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- Low-mass galaxies more easily experience galactic winds. A large fraction of newly produced metals can be vent out of the galaxy whereas, usually, a large fraction of pre-existing gas remains inside the galaxy.
- Galactic winds are favored by flat initial density distributions. Ejection efficiencies of freshly produced metals can change by up to a factor of ten, depending on the initial gas distribution.
- The efficiency of removal of pristine gas is less dependent on the geometry. Consequently, also the final metallicity of the galaxy depends on the degree of flattening, being up to one dex larger in roundish galaxies compared to flat ones.

