

Stellar feedback and efficiency of star formation

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Goal

To improve upon models of stellar feedback in simulations of galaxy formation/evolution in order to more accurately regulate star formation and drive galactic outflows. We consider feedback via energy and momentum injection from stellar winds and supernovae, as well as a new model for momentum deposition from radiation pressure.

Example of star formation regulation:
the Kennicutt-Schmidt relation for a simulated Milky Way galaxy

