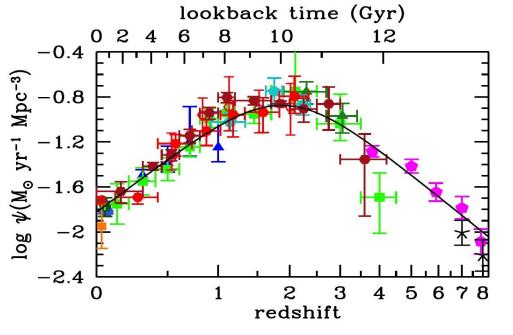
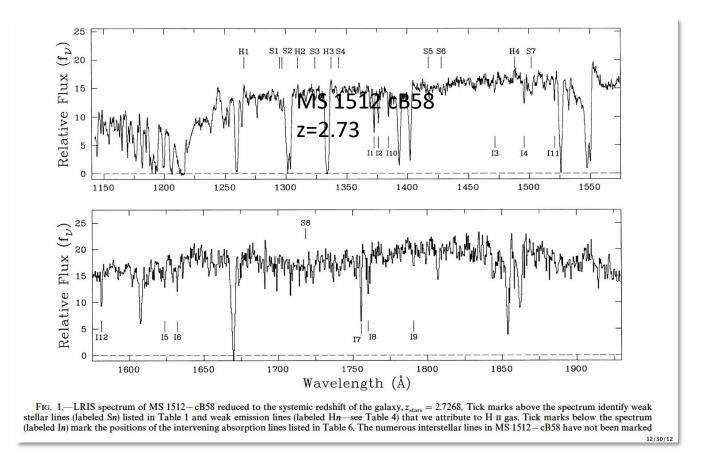
Galaxy Evolution Spectroscopic Explorer (GESE)



Madau & Dickinson 2014

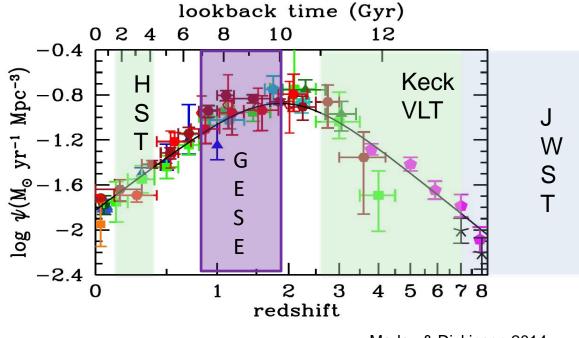
This plot is rooted "in optical-IR astronomy, statistics, stellar populations, and phenomenology, rather than in the physics of the ISM, self-regulated accretion and star formation, stellar feedback, and SN-driven galactic winds."

Galaxy Evolution Spectroscopic Explorer (GESE)



This rest far-UV spectrum yielded: SFR~40 M_{\odot}, protracted SF, IMF consistent with Salpeter IMF with M_u>50 M_{\odot}, Z~1/4 Z_{\odot} (both stars & gas), N_{HI}=7.5x10²⁰ cm⁻², galactic wind with velocity~ 200 km/s and rate ~60 M_{\odot}/yr, dust E(B-V)~0.1-0.3

Galaxy Evolution Spectroscopic Explorer (GESE)



Madau & Dickinson 2014

There is no current or planned mission to make a rest-FUV spectroscopic survey of star-forming galaxies at $z^{-0.8} - 2.0$.

GESE is designed to fill that hole.