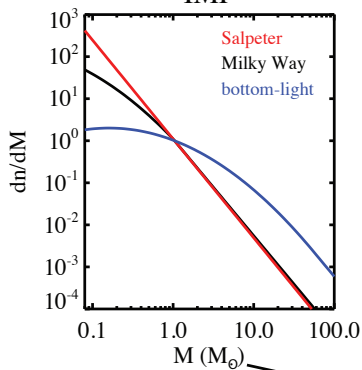
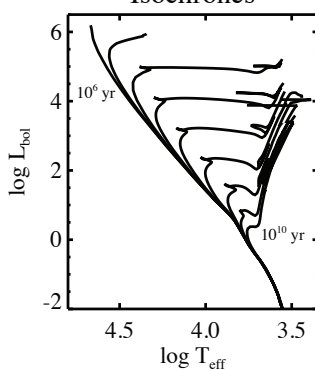


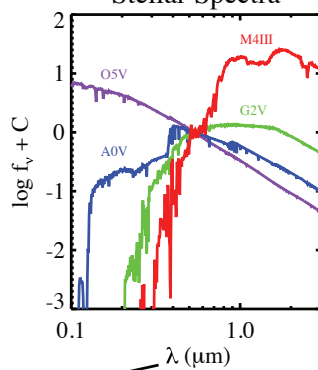
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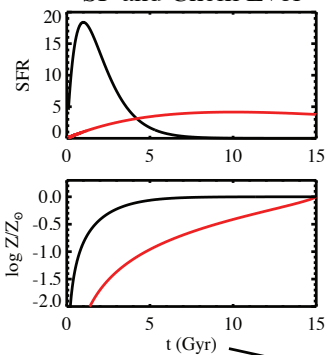
Isochrones



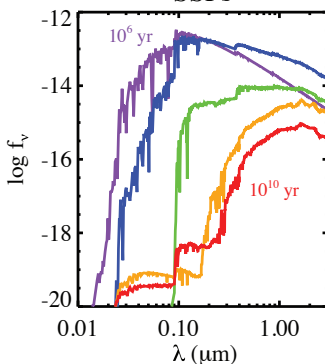
Stellar Spectra



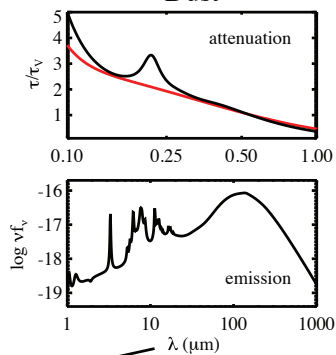
SF and Chem Evol



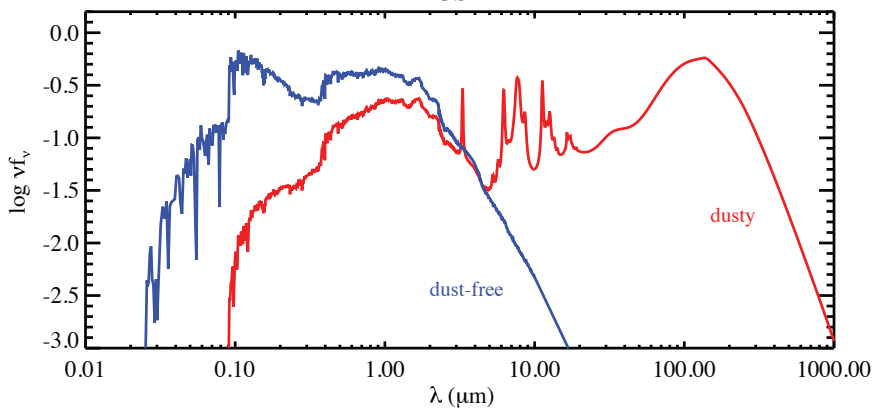
SSPs



Dust



CSP



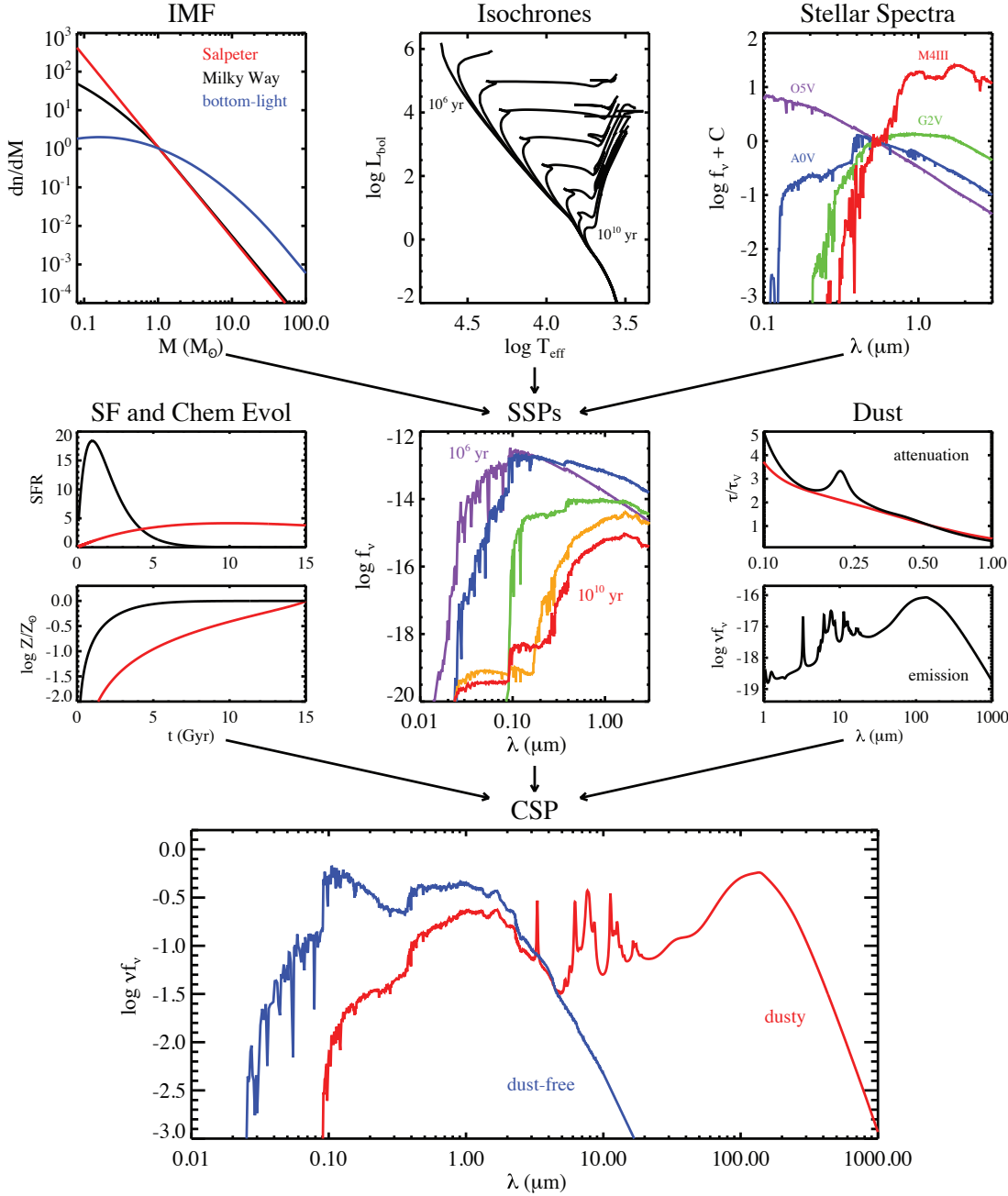


Figure 1:

Overview of the stellar population synthesis technique. The necessary ingredients for constructing simple stellar populations (SSPs) are: an IMF, isochrones for a range of ages and metallicities, and stellar spectra spanning a range of T_{eff} , L_{bol} , and metallicity. The middle panels highlight the ingredients necessary for constructing composite stellar populations (CSPs): star formation histories and chemical evolution, SFR, and a model for dust attenuation and emission. The bottom row shows the final CSPs both before and after a dust model is applied.

The upper panels highlight the ingredients necessary for constructing simple stellar populations (SSPs): an IMF, isochrones for a range of ages and metallicities, and stellar spectra spanning a range of T_{eff} , L_{bol} , and metallicity. The middle panels highlight the ingredients necessary for constructing composite stellar populations (CSPs): star formation histories and chemical evolution, SFR, and a model for dust attenuation and emission. The bottom row shows the final CSPs both before and after a dust model is applied.