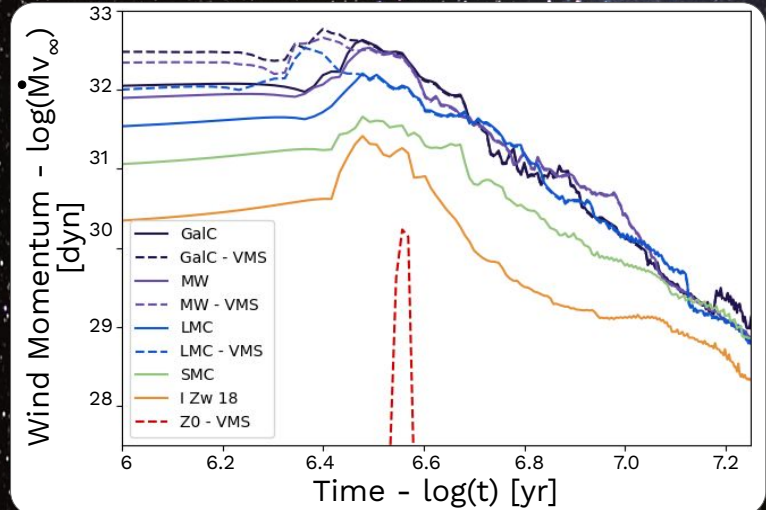
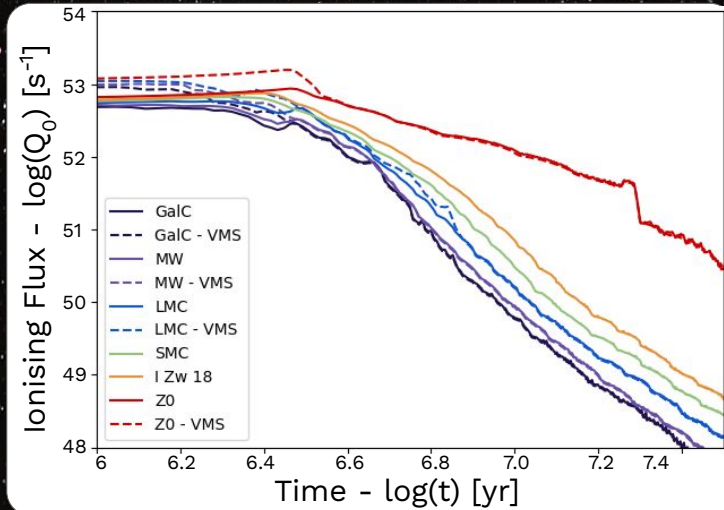


Population Synthesis at low metallicity

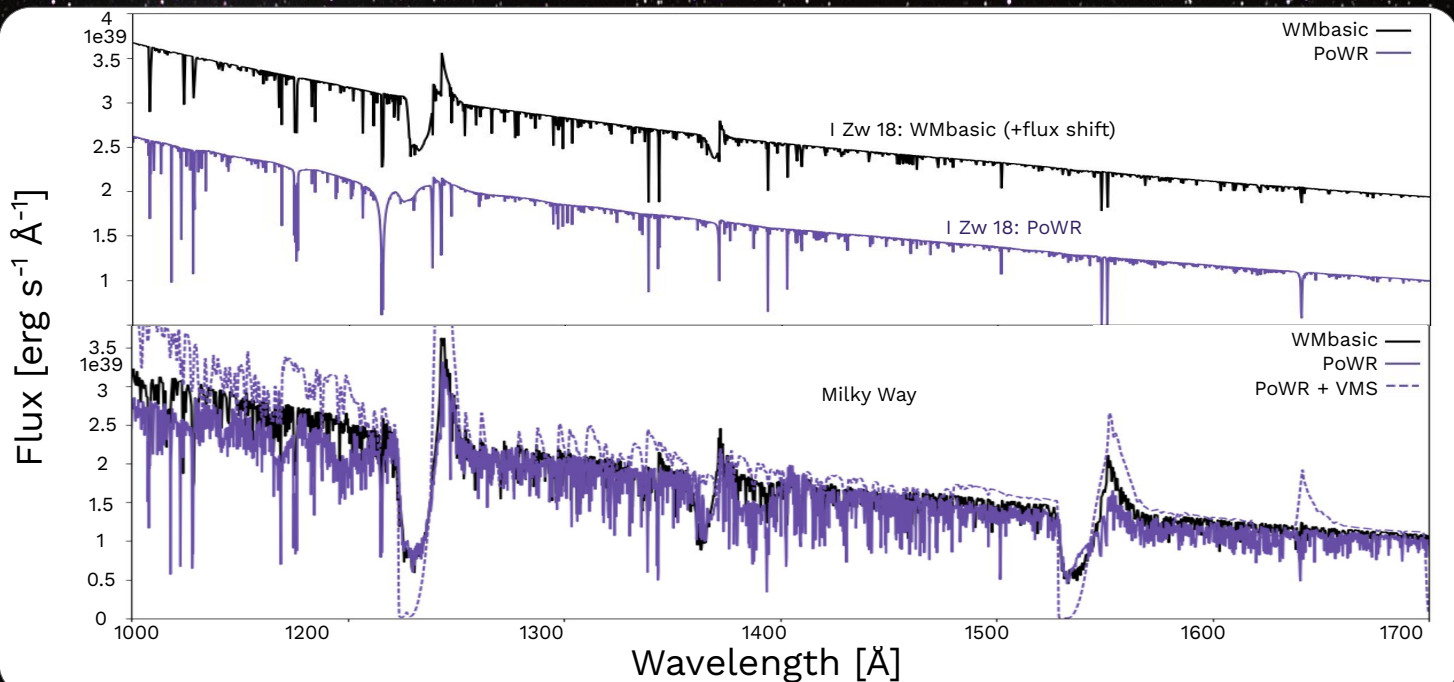
New predictions for integrated stellar populations with (very) massive stars



Starburst99 models created in new python version! Using GENEC stellar evolutionary models with FASTWIND and PoWR atmosphere models



Lower Z decreases wind strength but increases Q_0 at late times, very massive stars (VMS) increases both at early times



Single burst stellar population at 1 Myr with WMbasic and PoWR for I Zw 18 (upper) and Milky Way (lower) up to $120M_{\odot}$ and MW with VMS up to $500M_{\odot}$ (flux scaled down)

