

BG image: Yuri Beletsky (APOD: 2008 Apr 9)

Local Galaxies in a Global Context

Local Galaxies in a Global Context

in collaboration with

Jason Harris

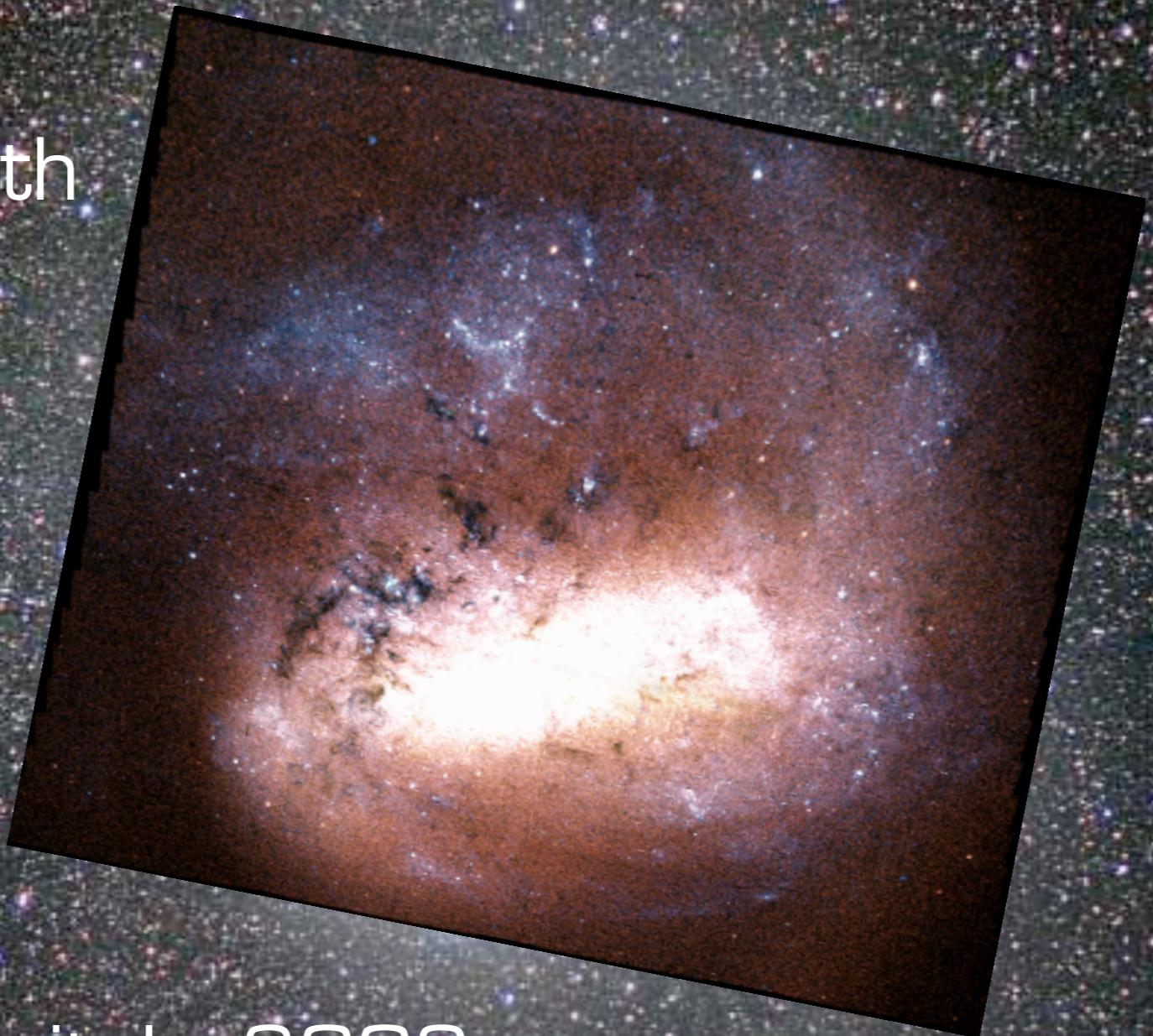
Michael Eskew

Local Galaxies in a Global Context

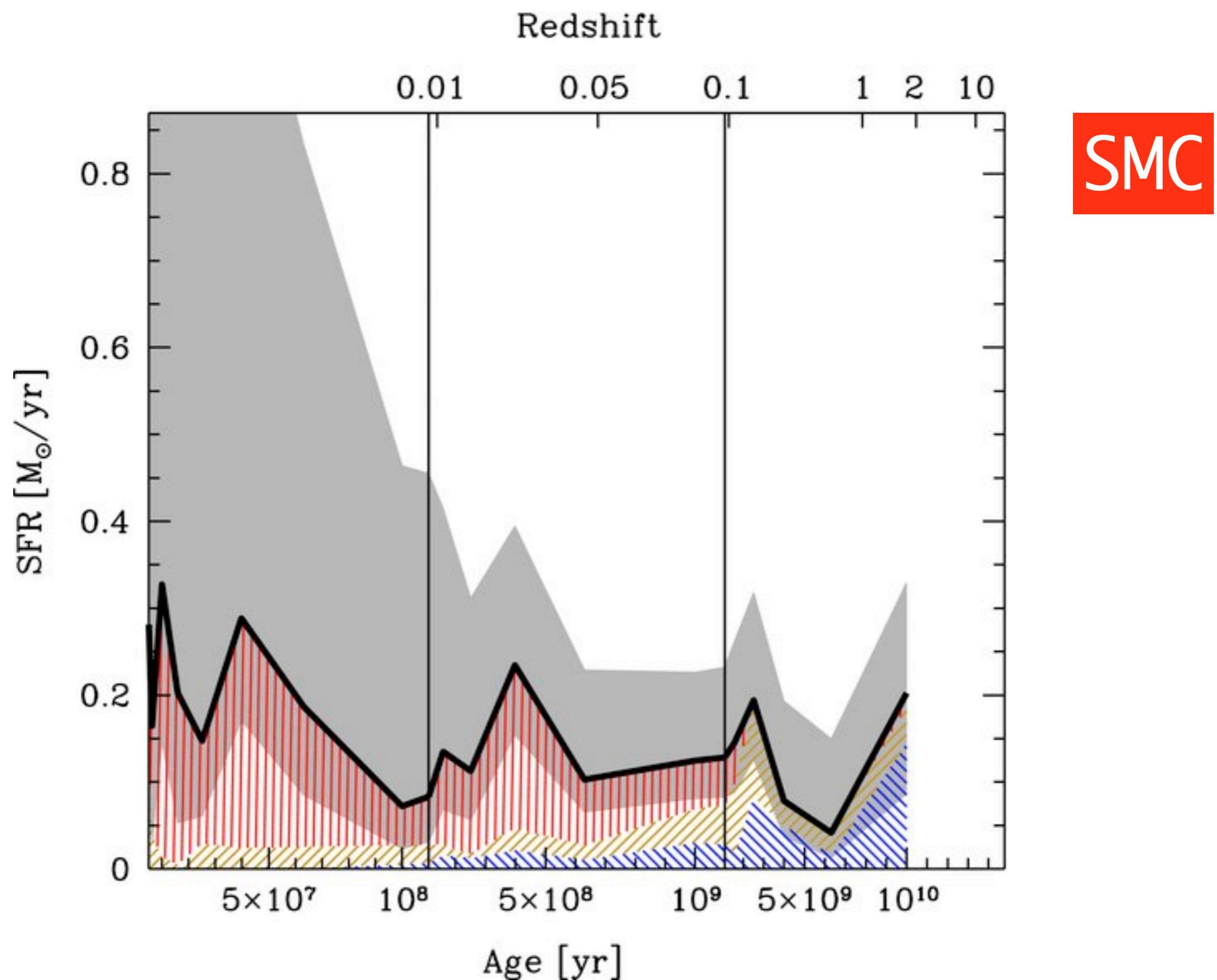
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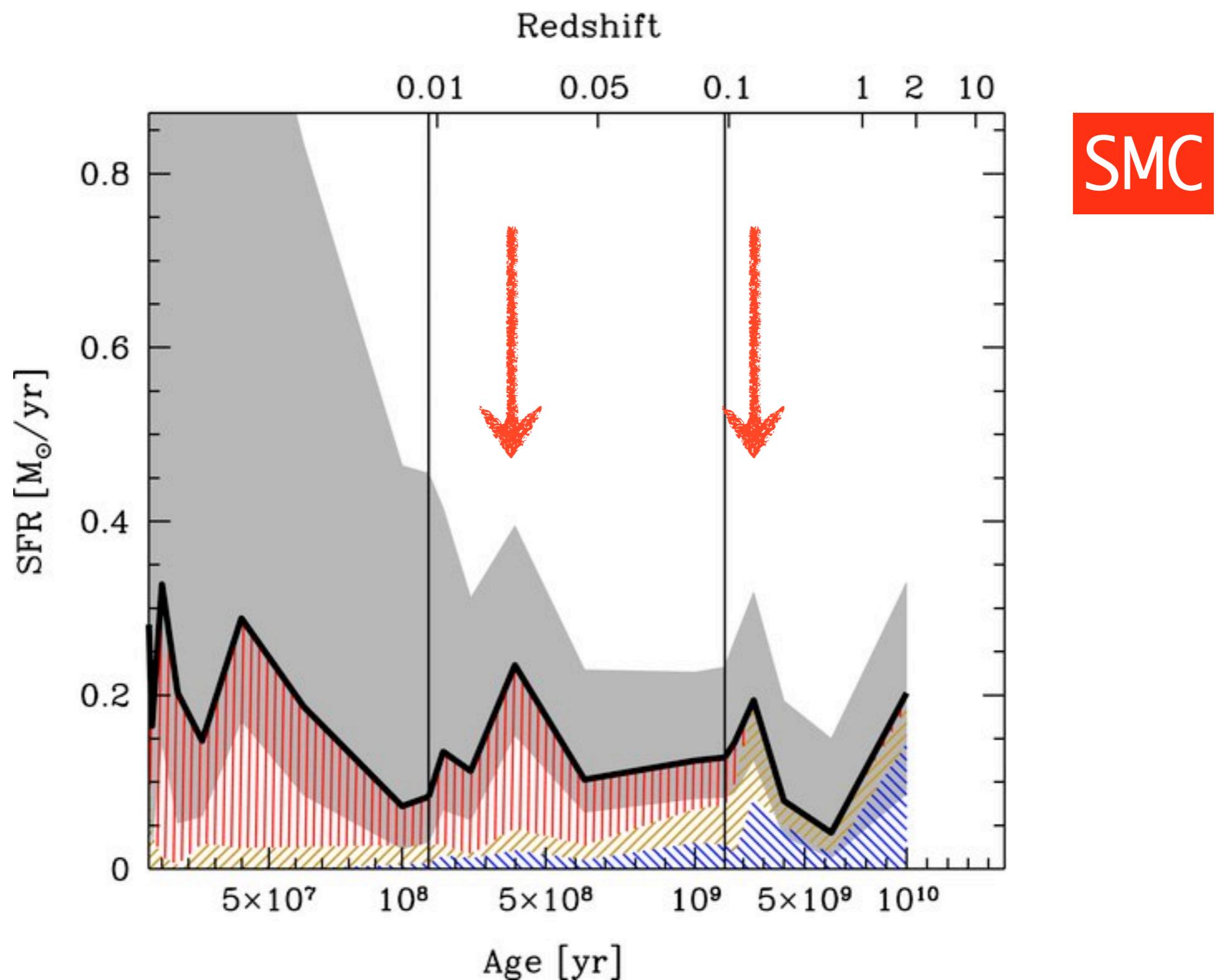
Jason Harris

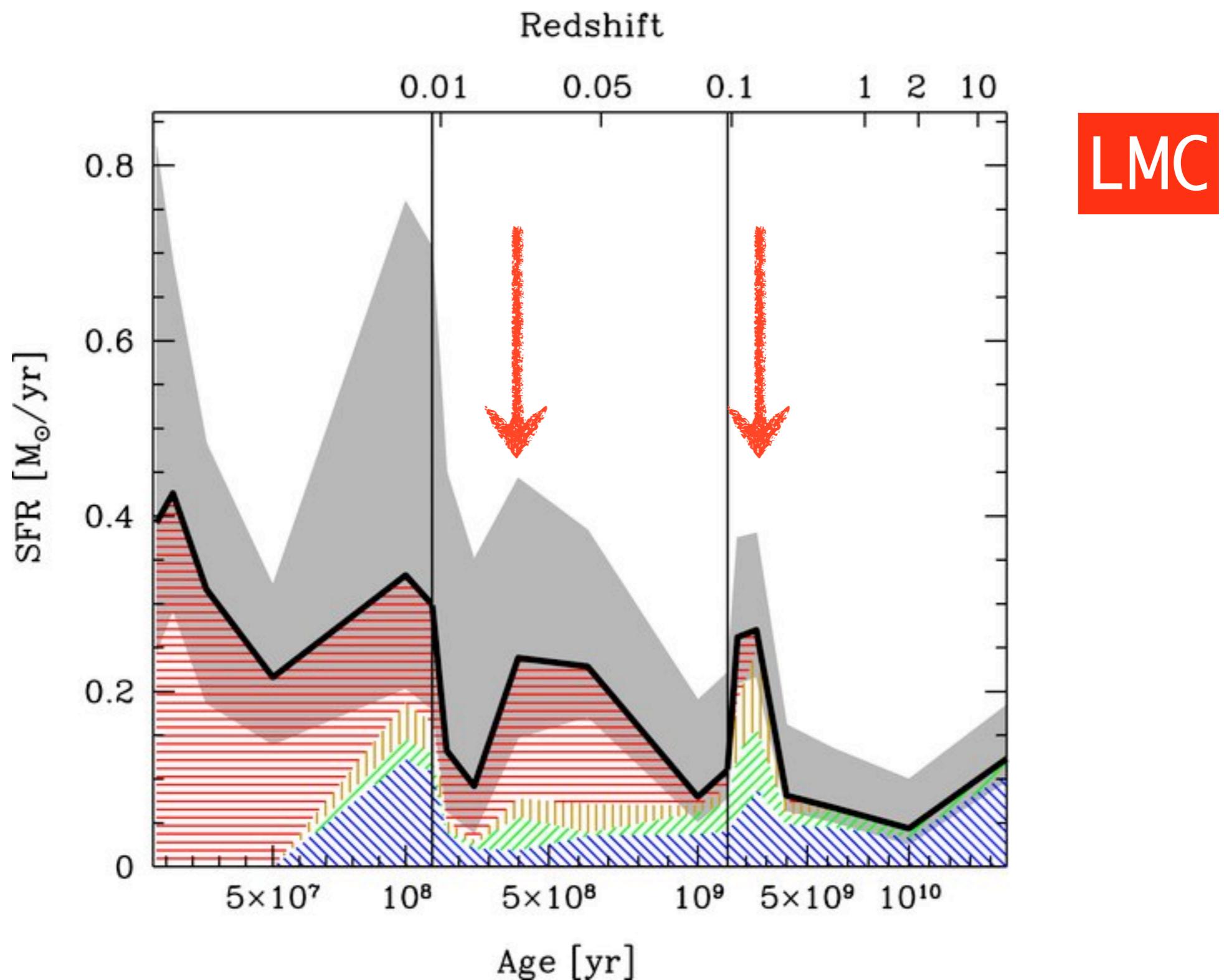
Michael Eskew

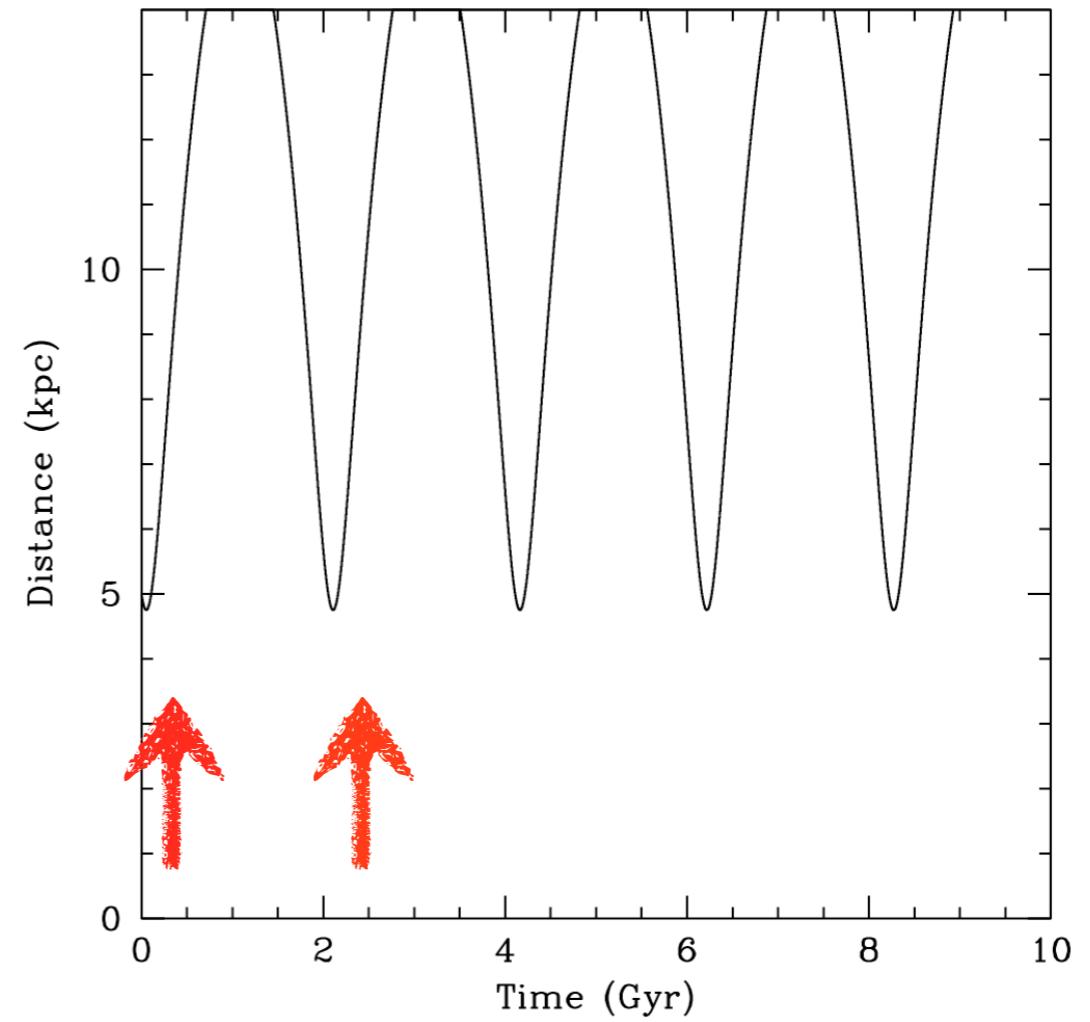
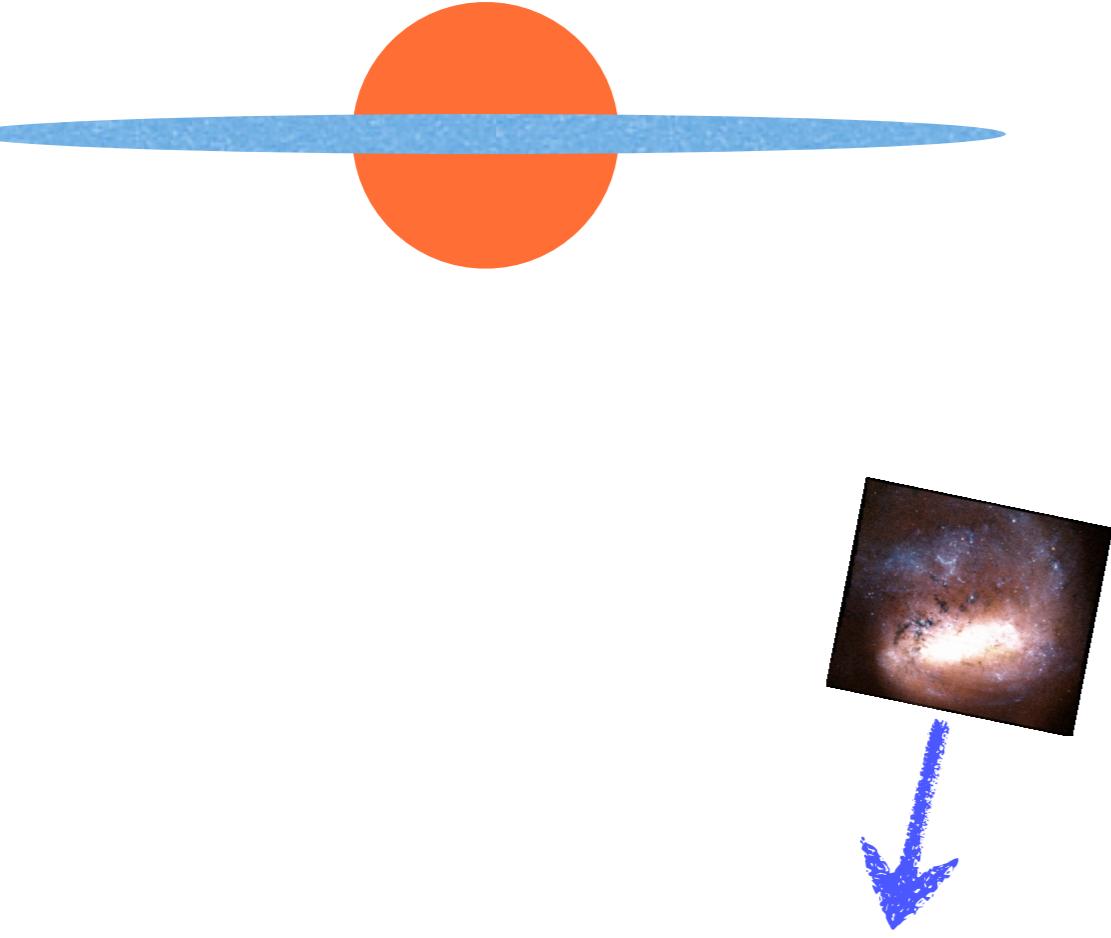


Harris & Zaritsky 2009



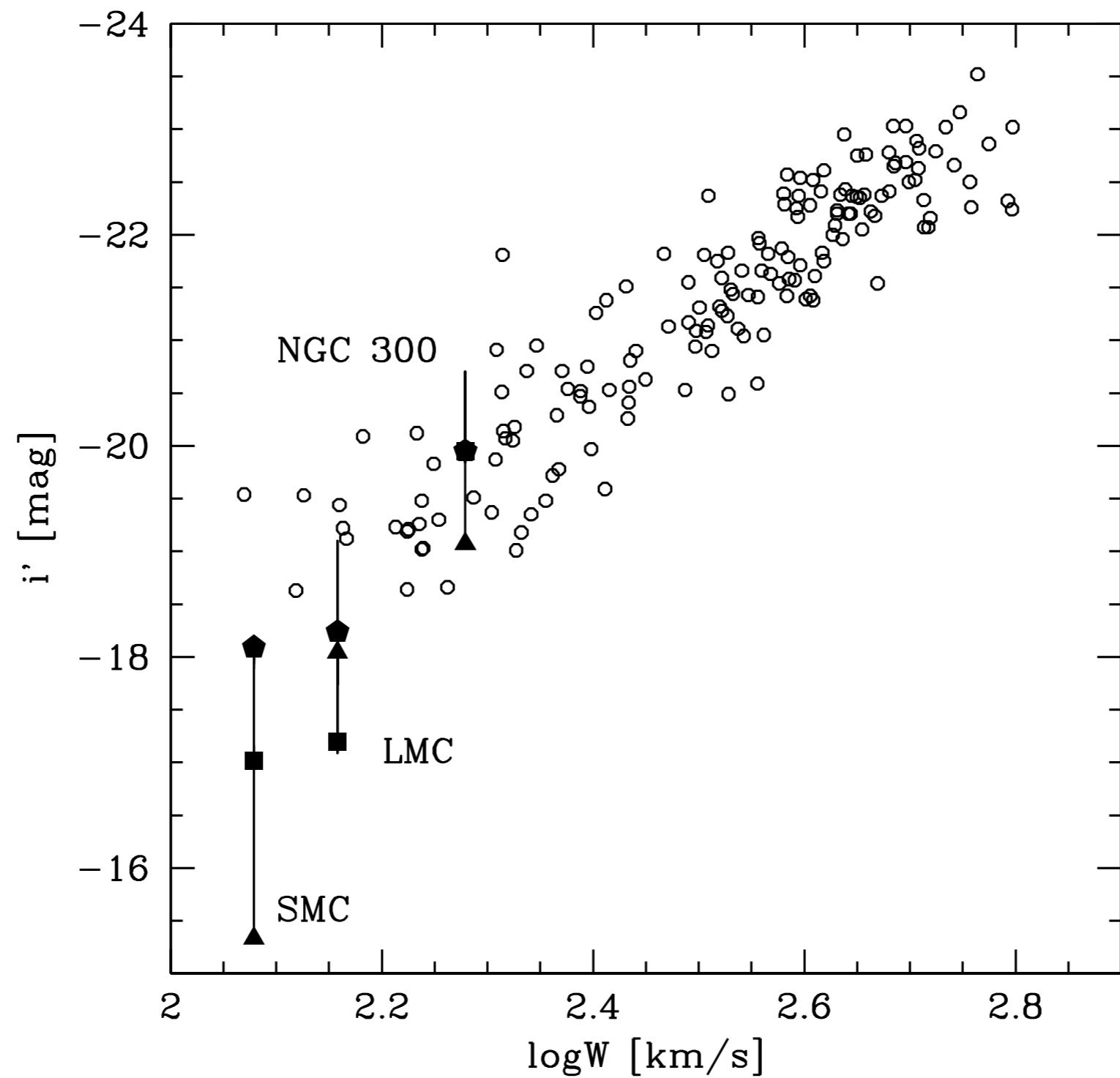




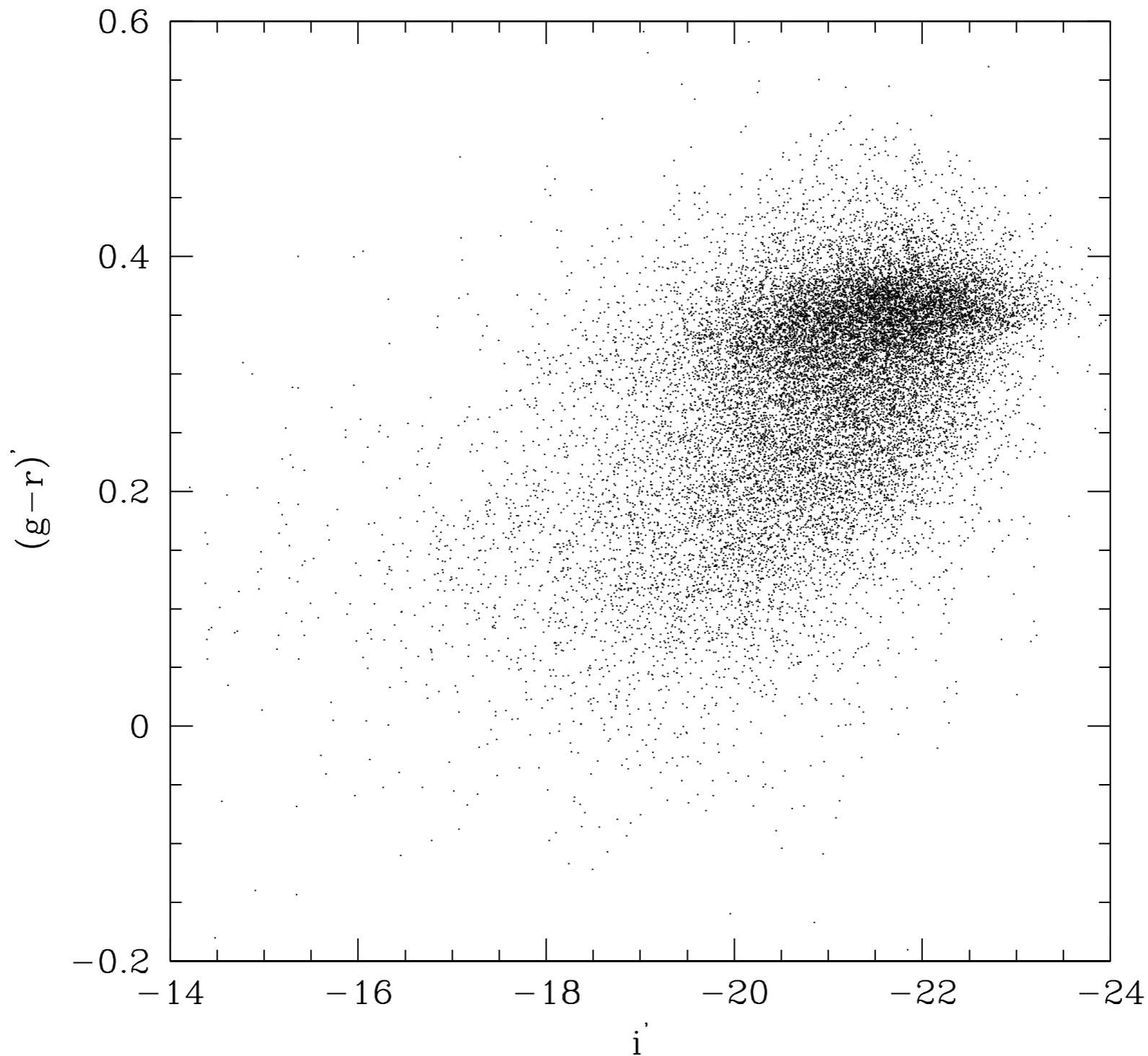


Kallivayalil et al. (2006) proper motion
+ 220 km/sec isothermal MW

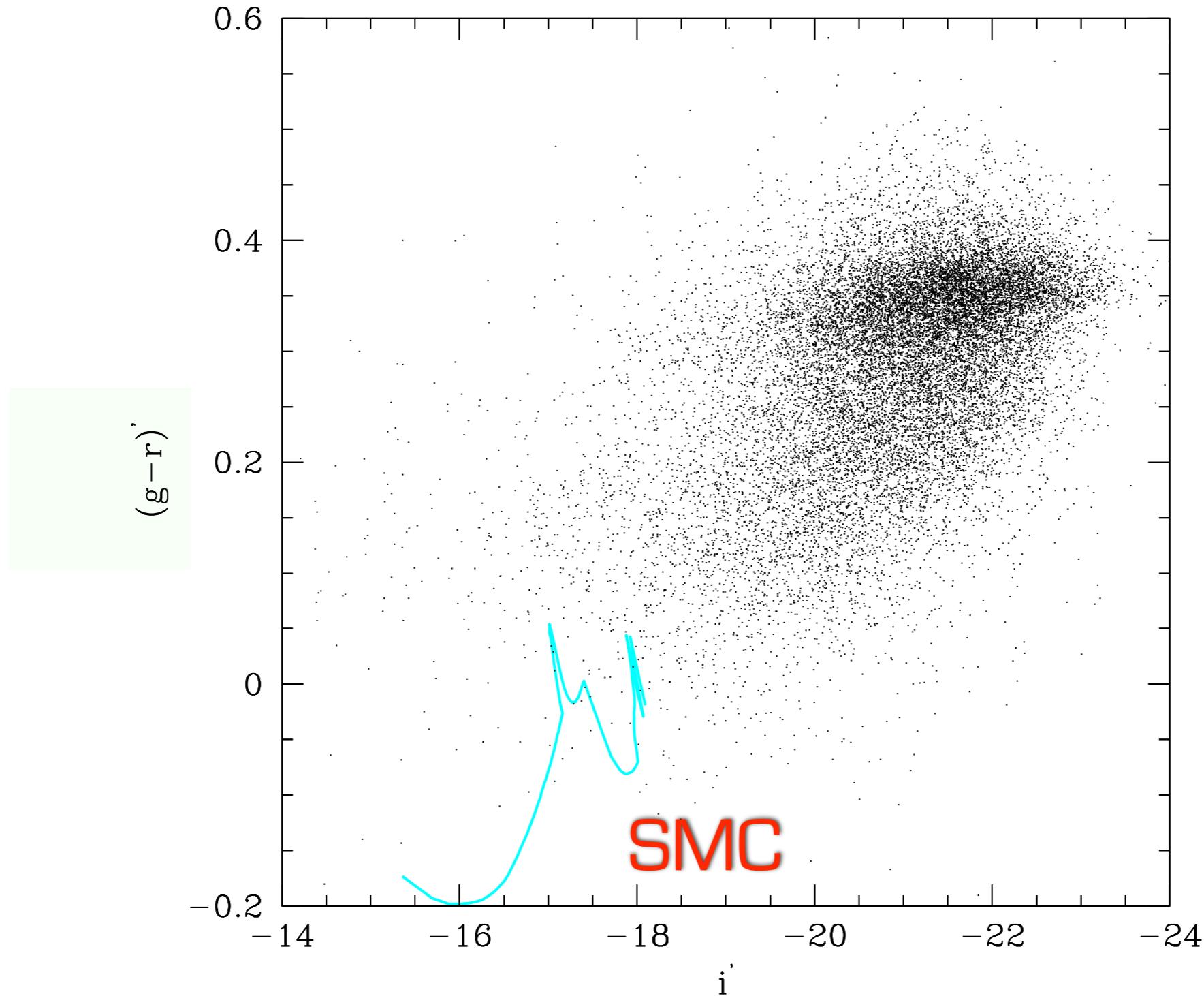
Tully-Fisher



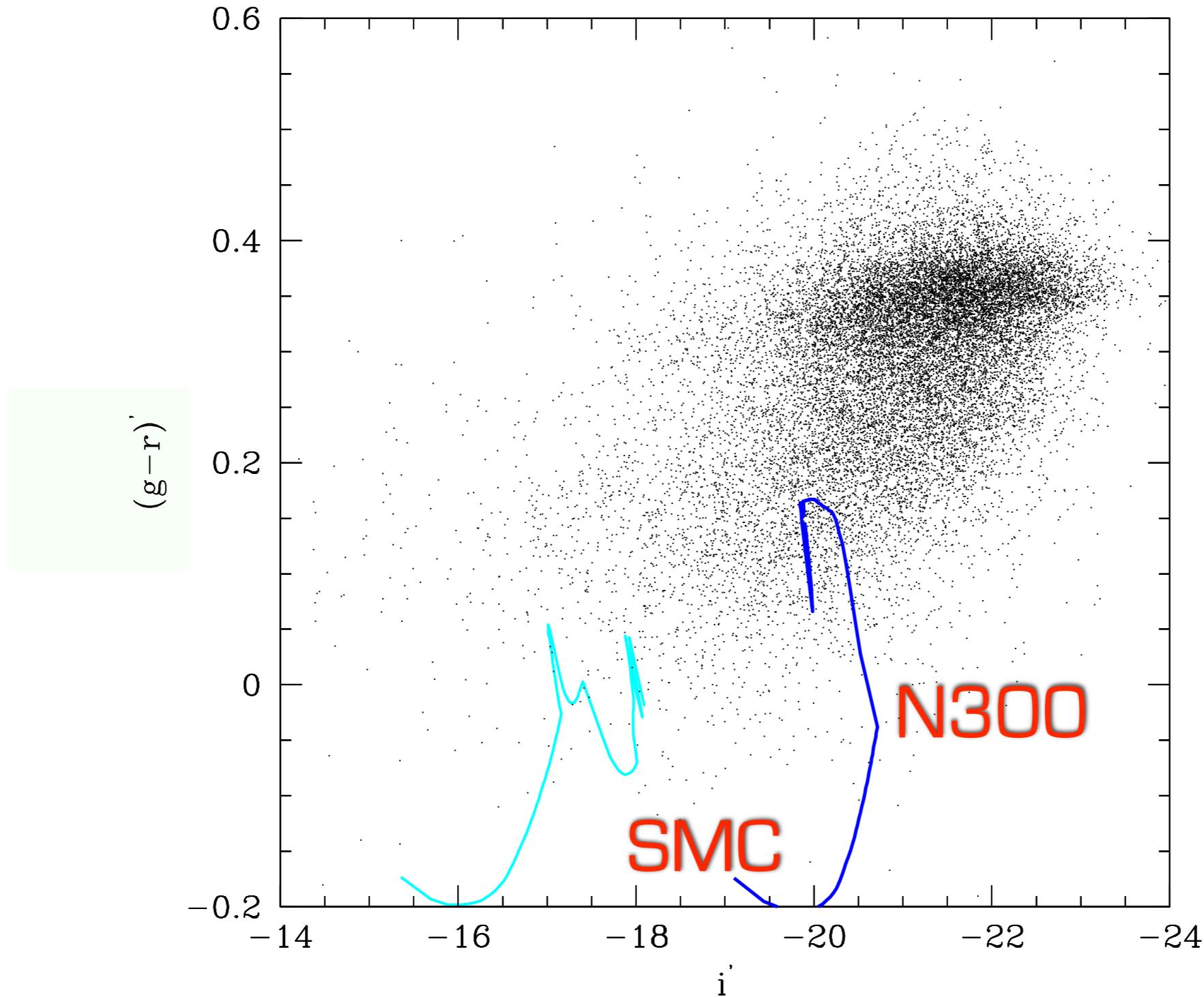
Galaxy Color-Magnitude Diagram



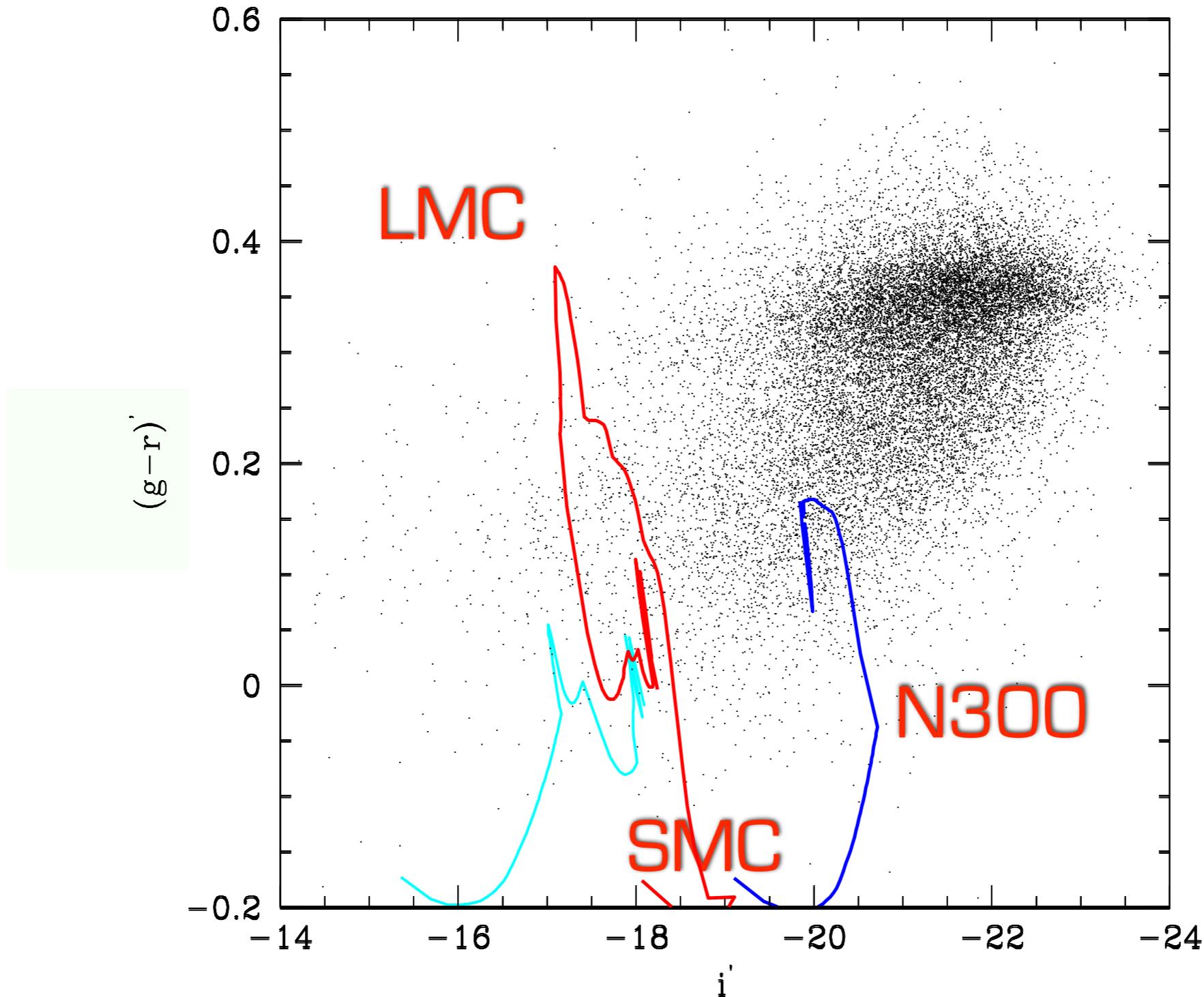
Galaxy Color-Magnitude Diagram



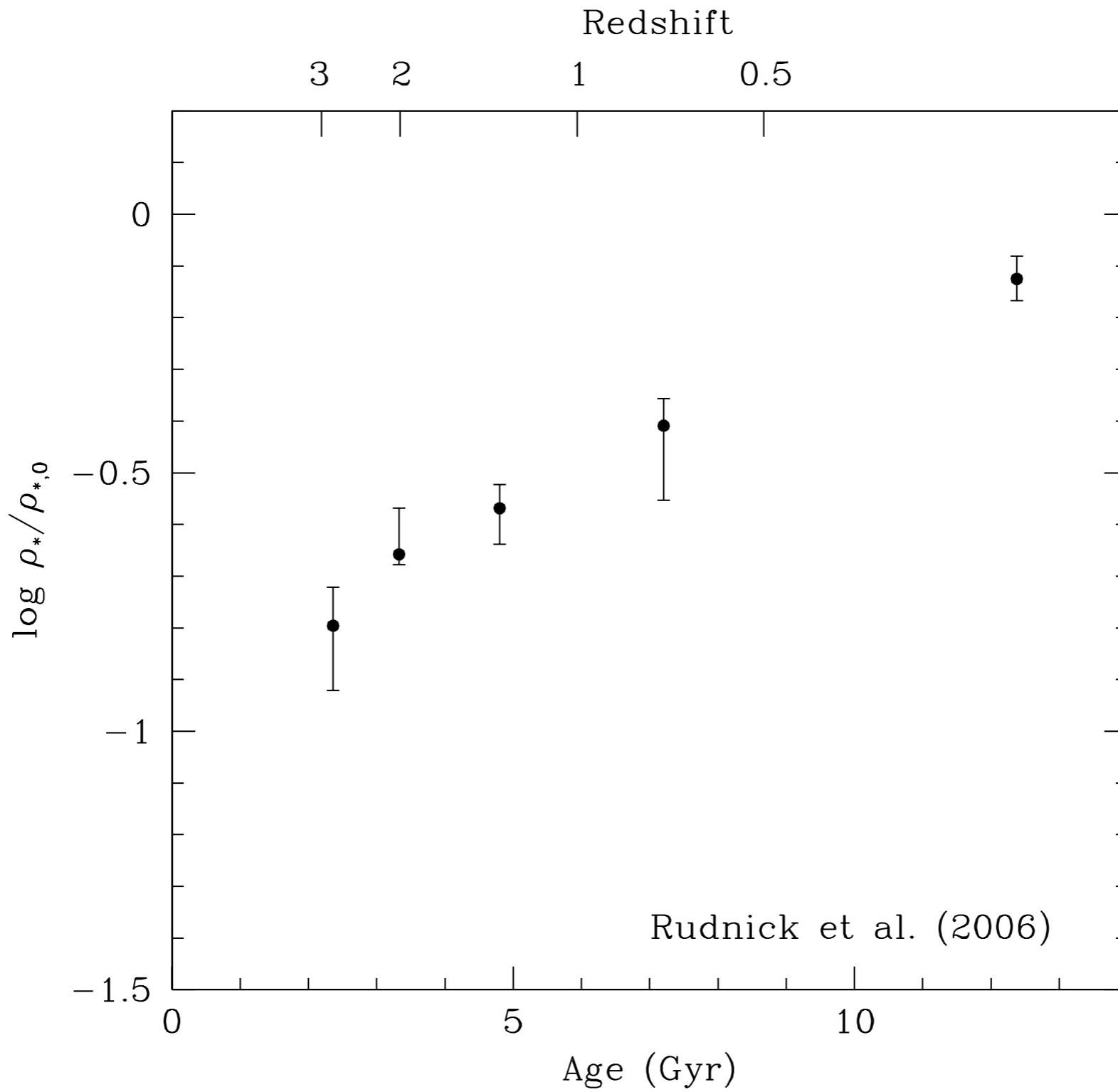
Galaxy Color-Magnitude Diagram



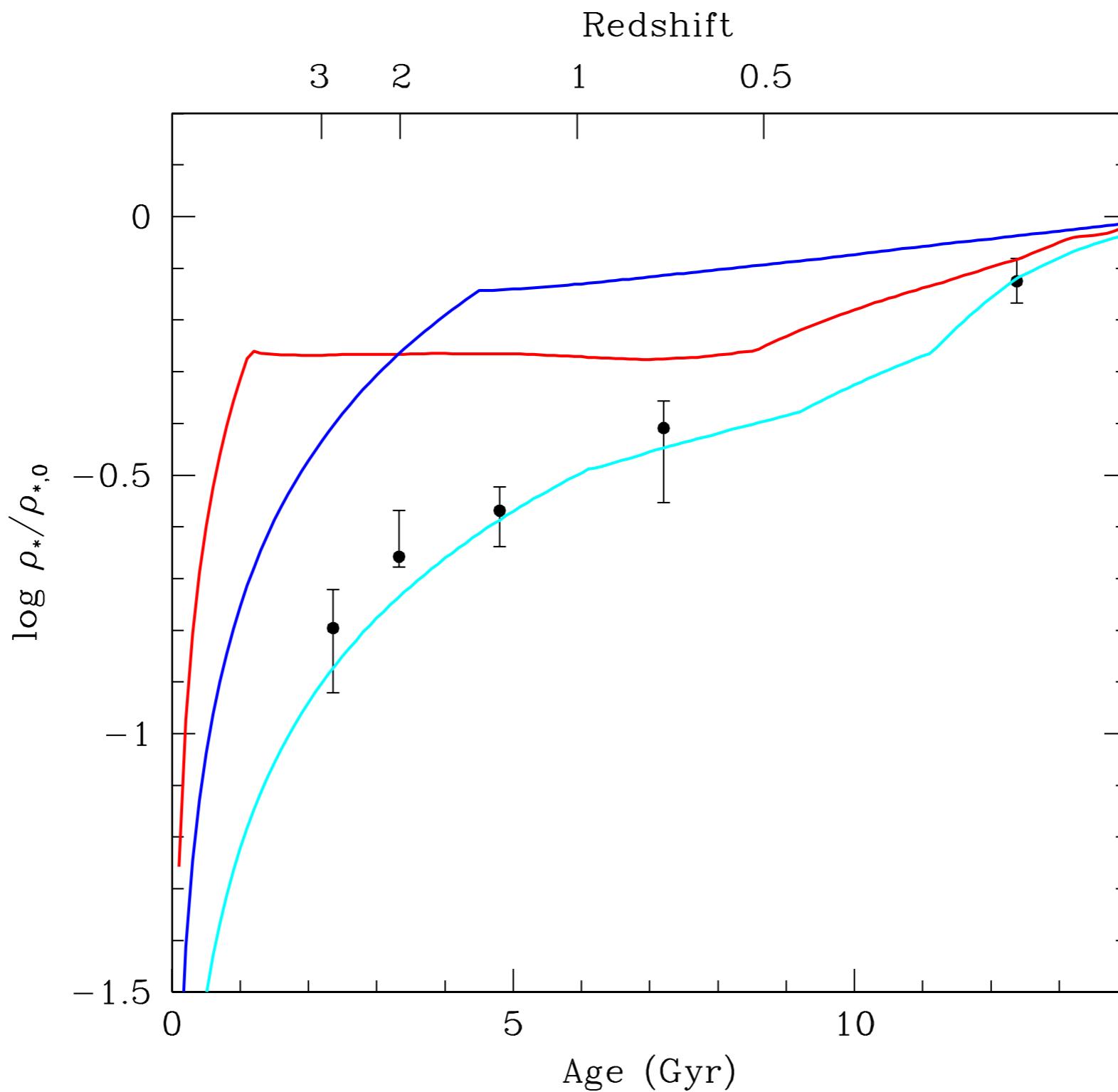
Galaxy Color-Magnitude Diagram



Stellar Mass Density Growth



Stellar Mass Density Growth



Conclusions

- detailed evolution provides constraint on global, physical processes
- comparison to “cosmological” data provides intuition for interpretation