

$$t_{MS} \sim \frac{M}{L} \sim M^{-3}$$

$$\sim 10^{10} \text{ yr} \left(\frac{M}{M_{\odot}} \right)^{-3}$$

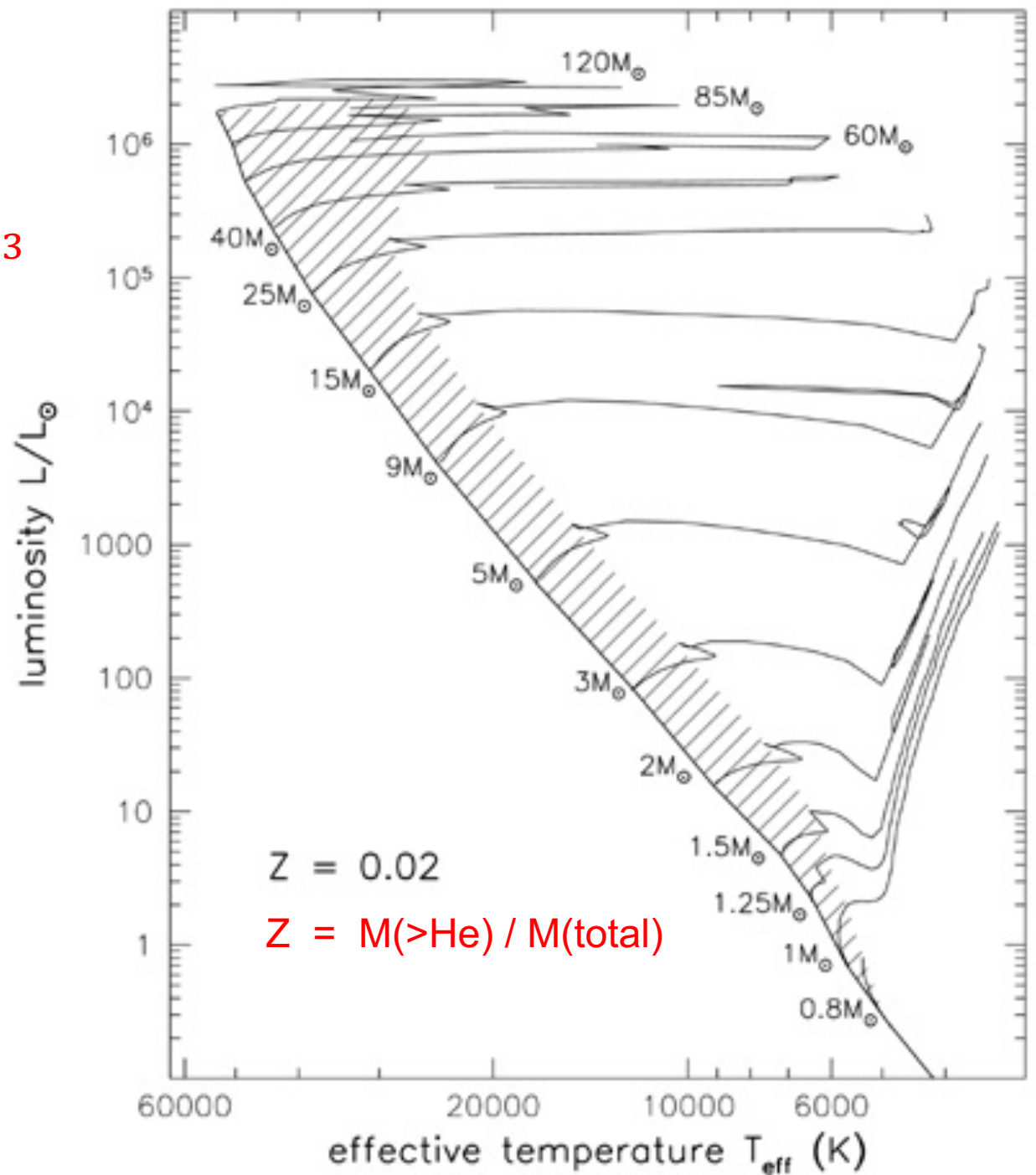
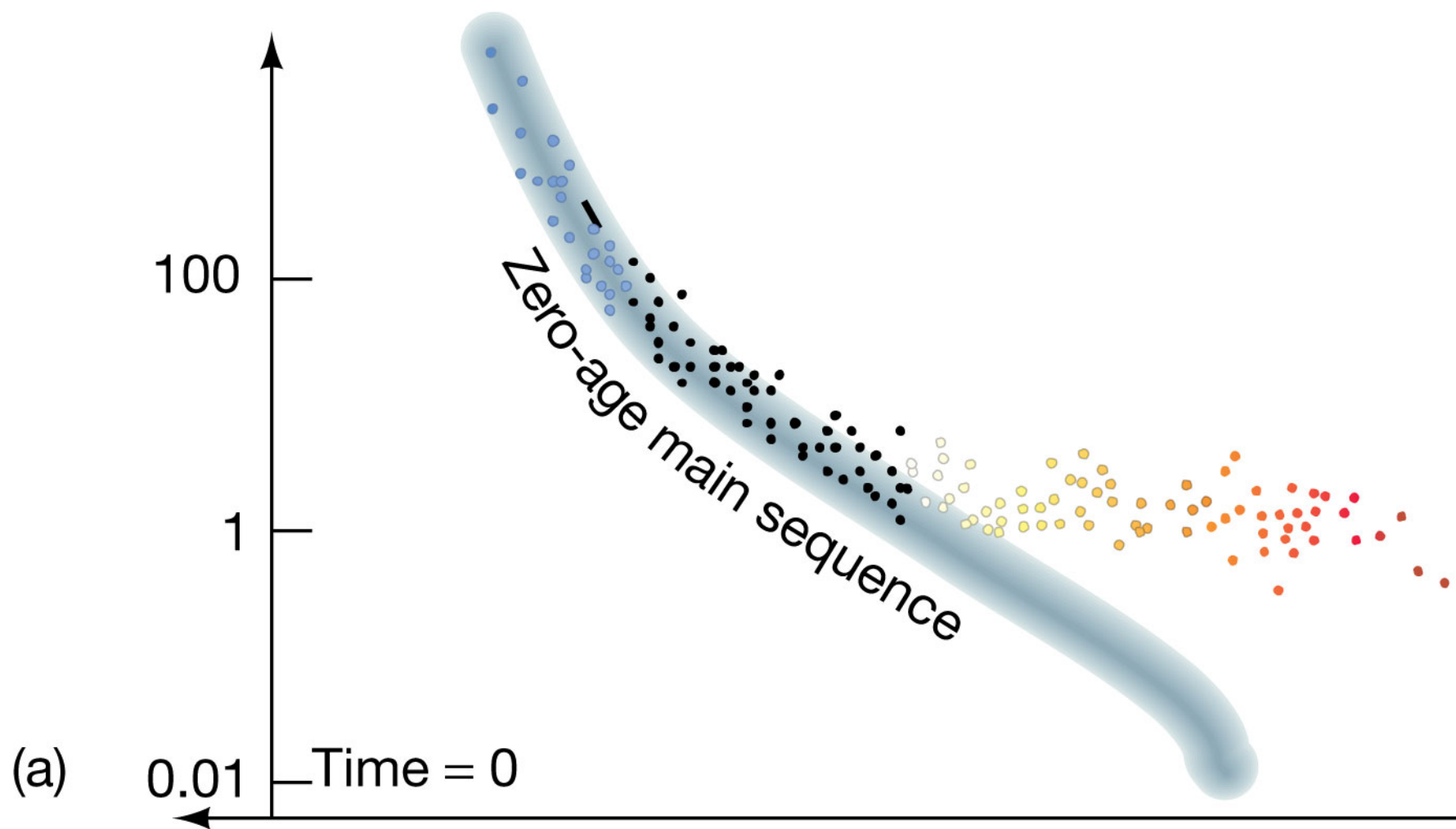
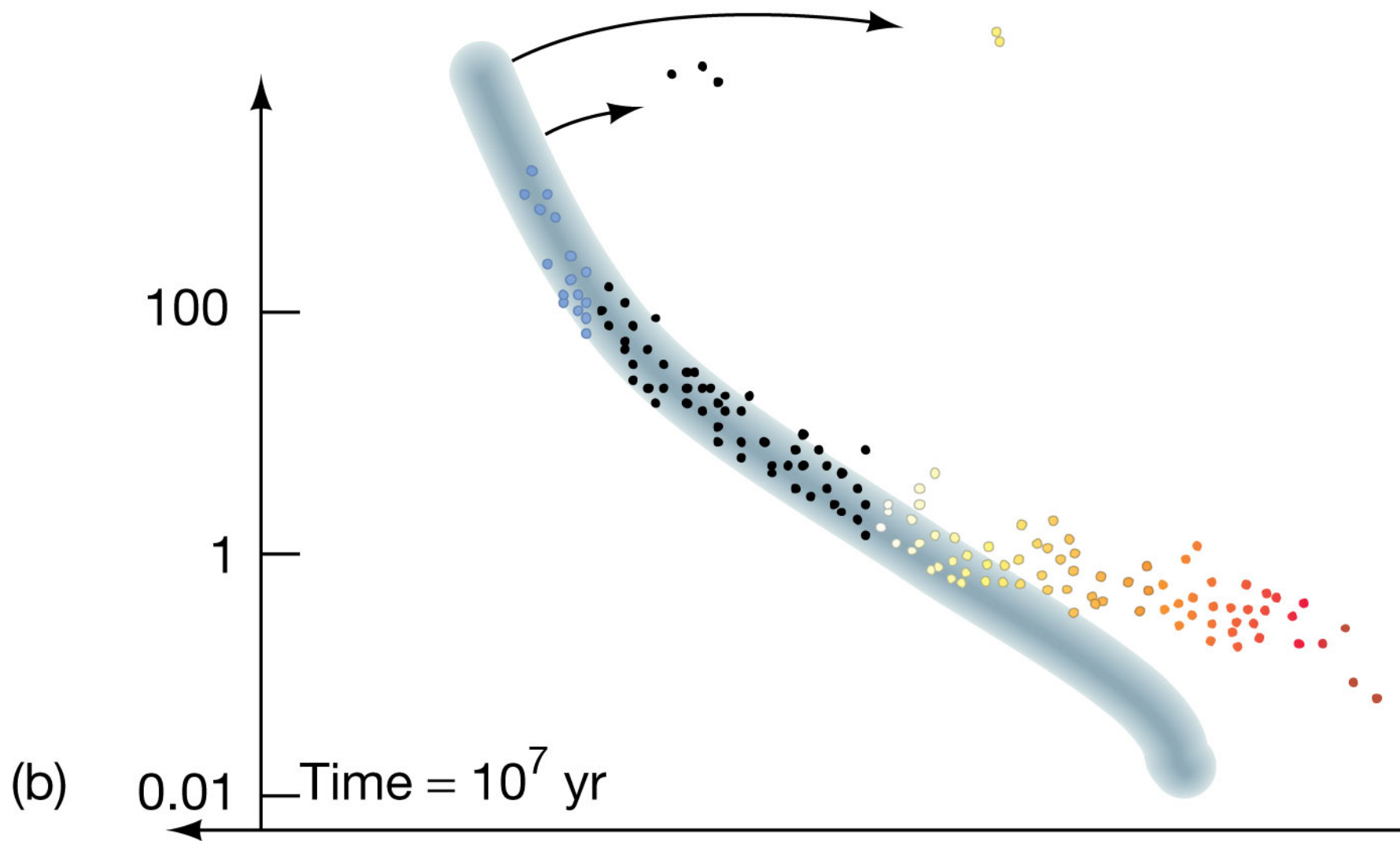
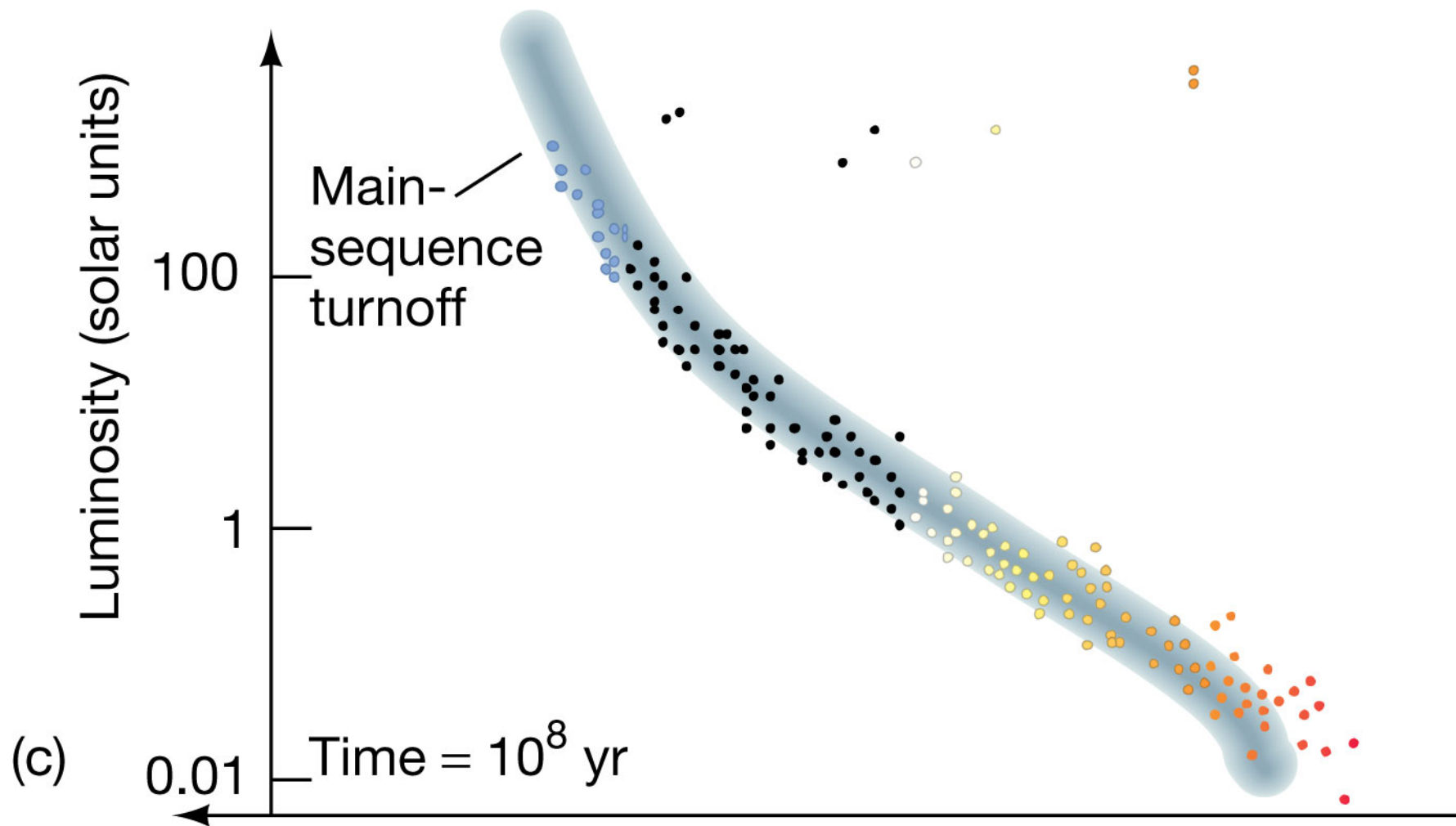
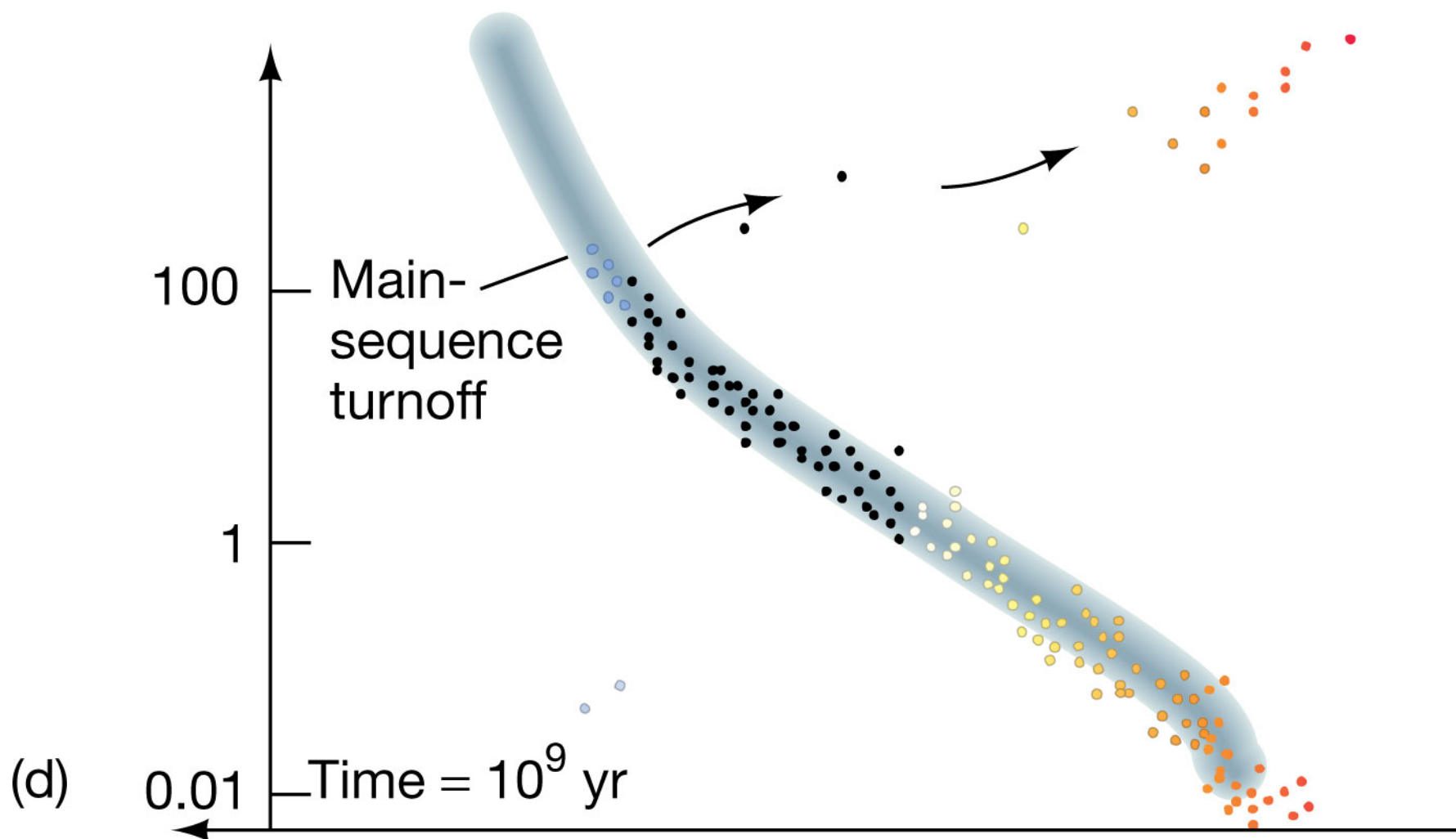


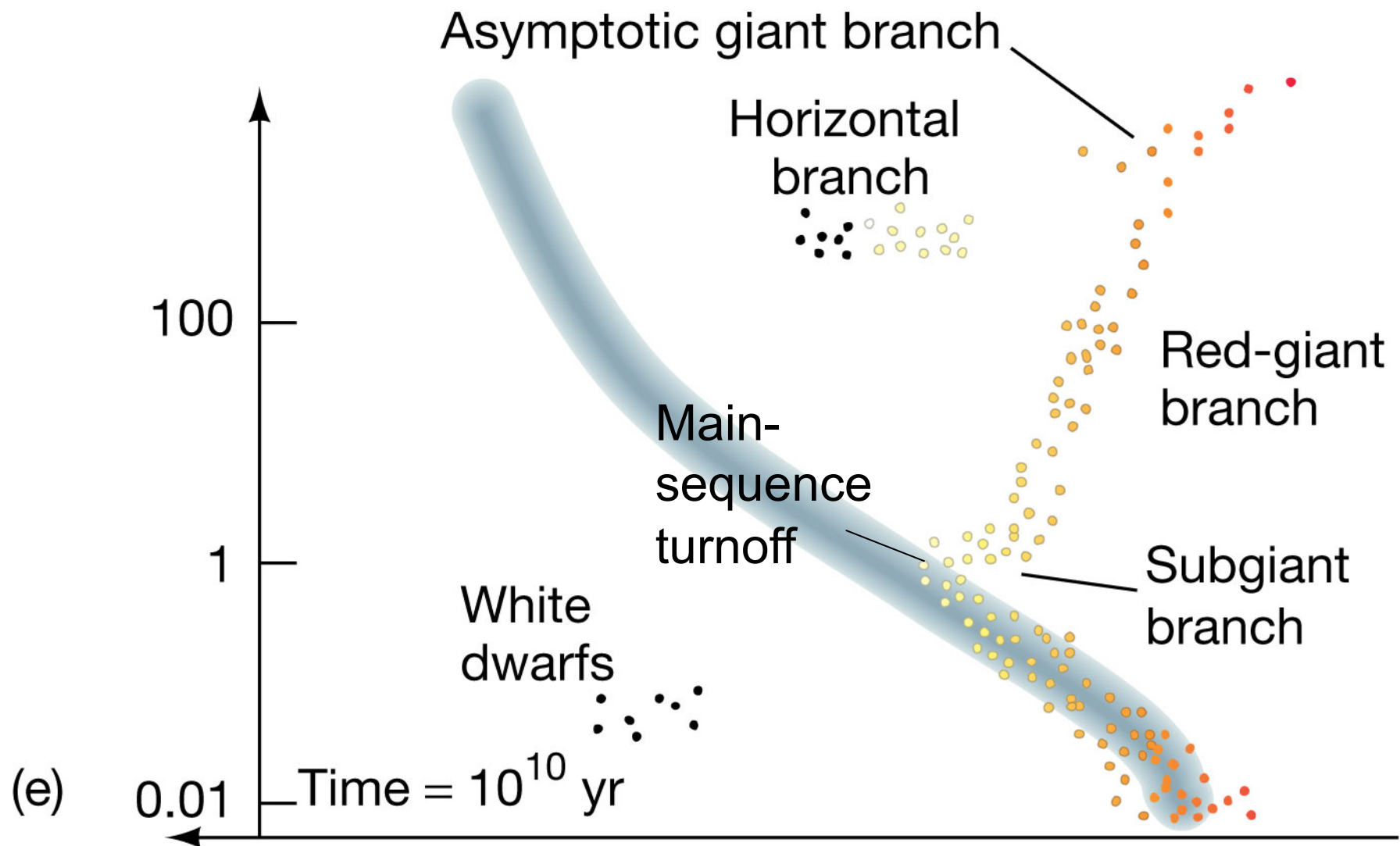
Fig 1.4 'Galaxies in the Universe' Sparke/Gallagher CUP 2007



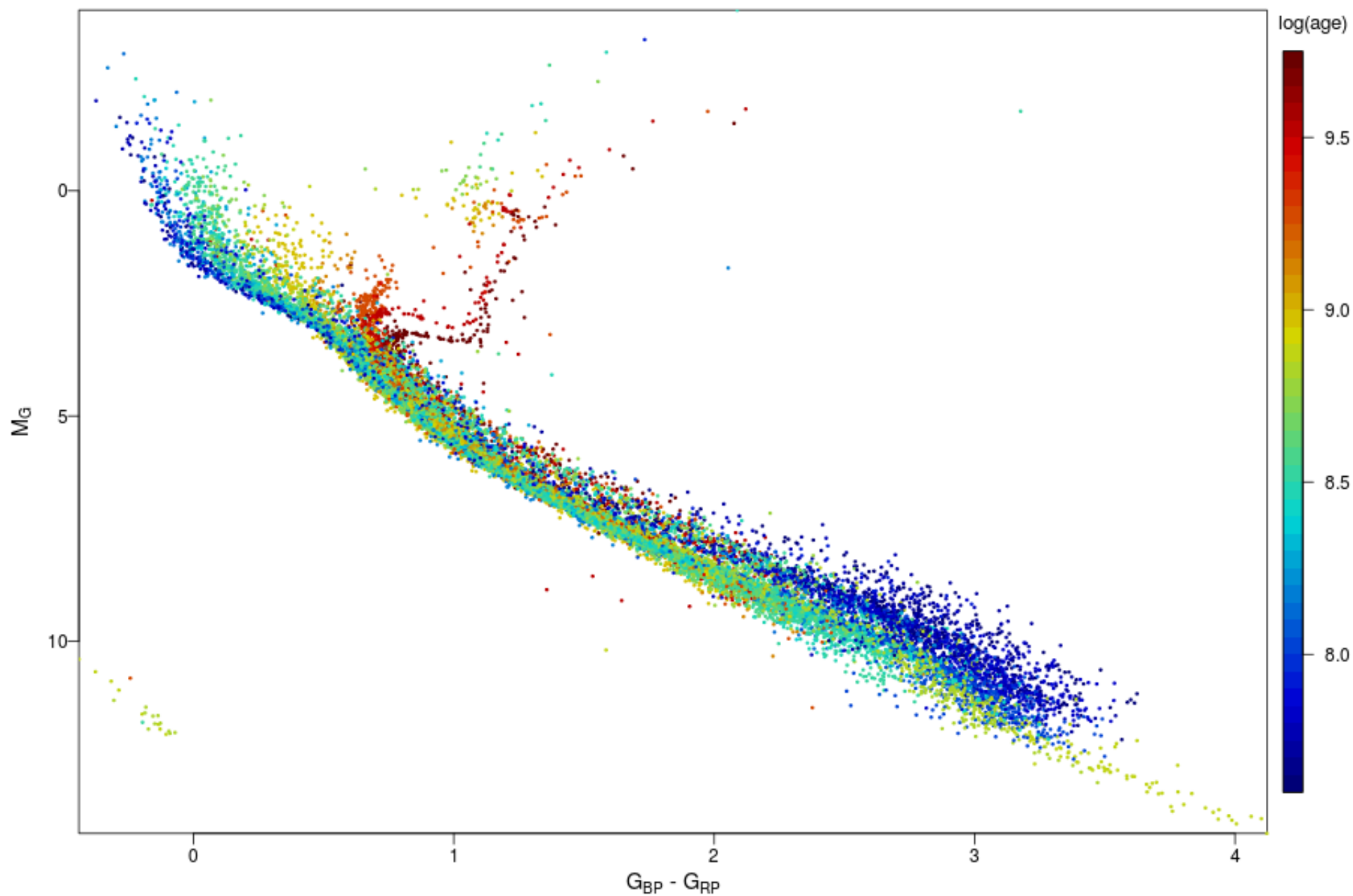




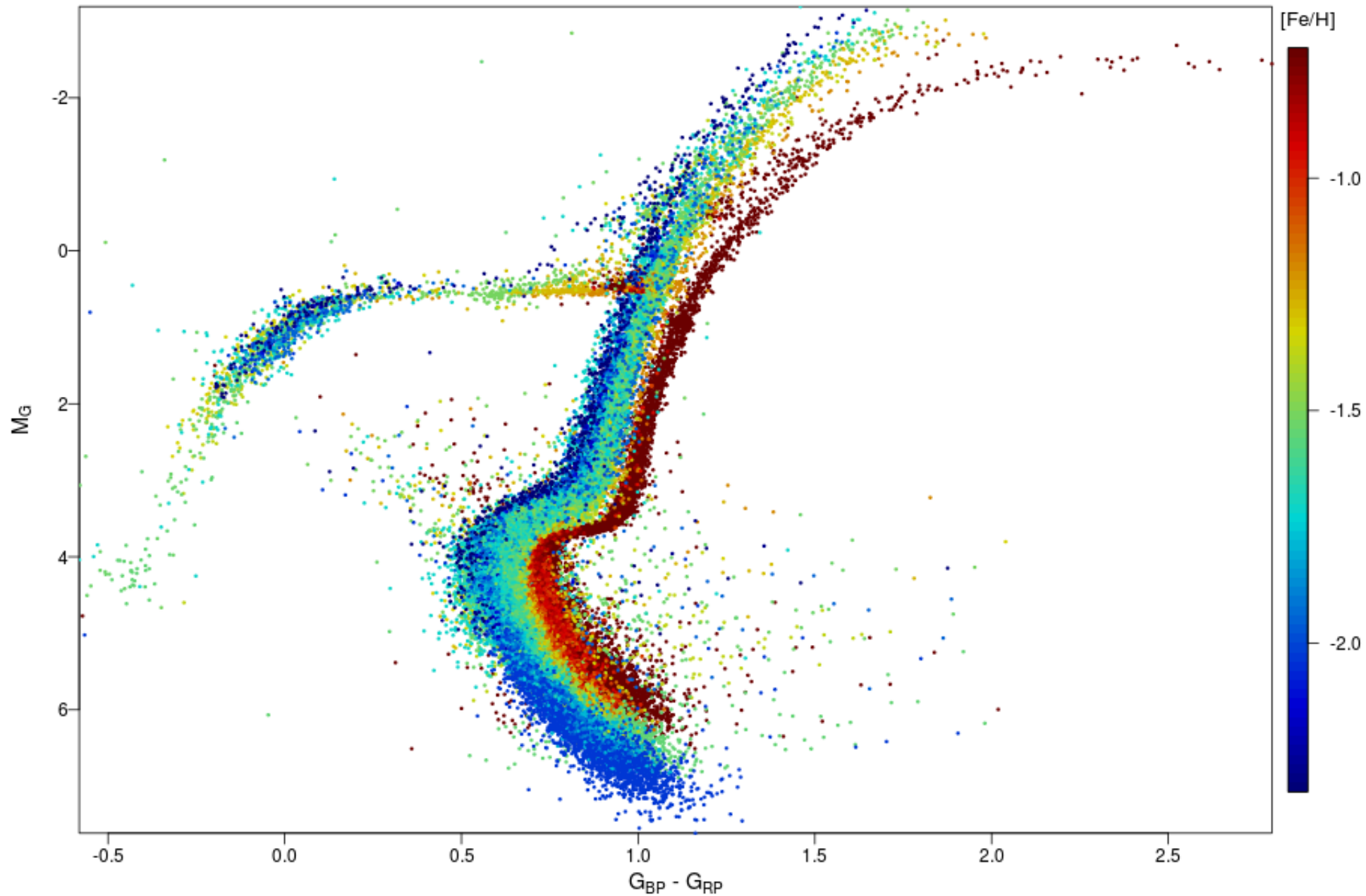




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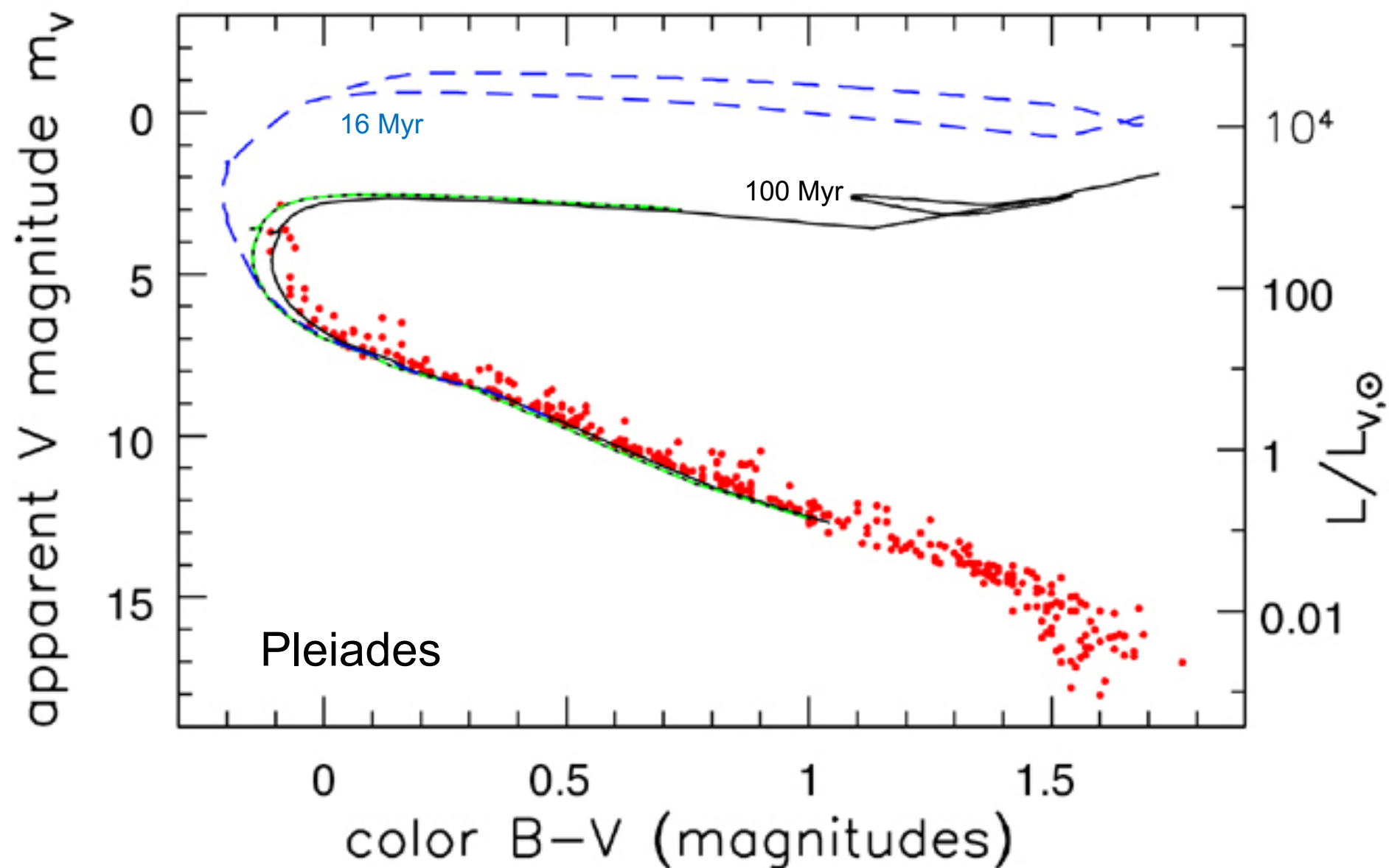


Fig 2.12 (J.-C. Mermilliod) 'Galaxies in the Universe' Sparke/Gallagher CUP 2007

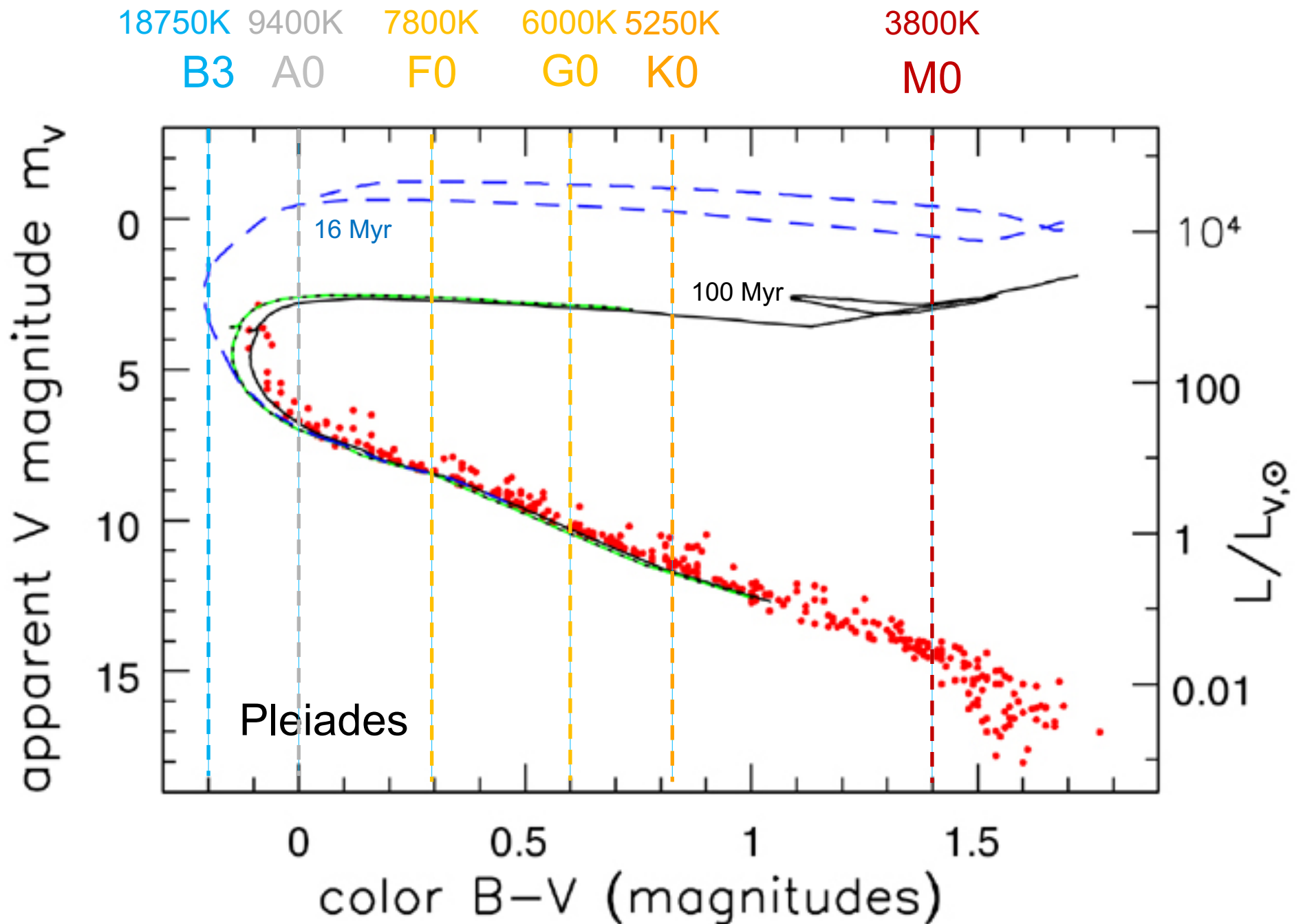
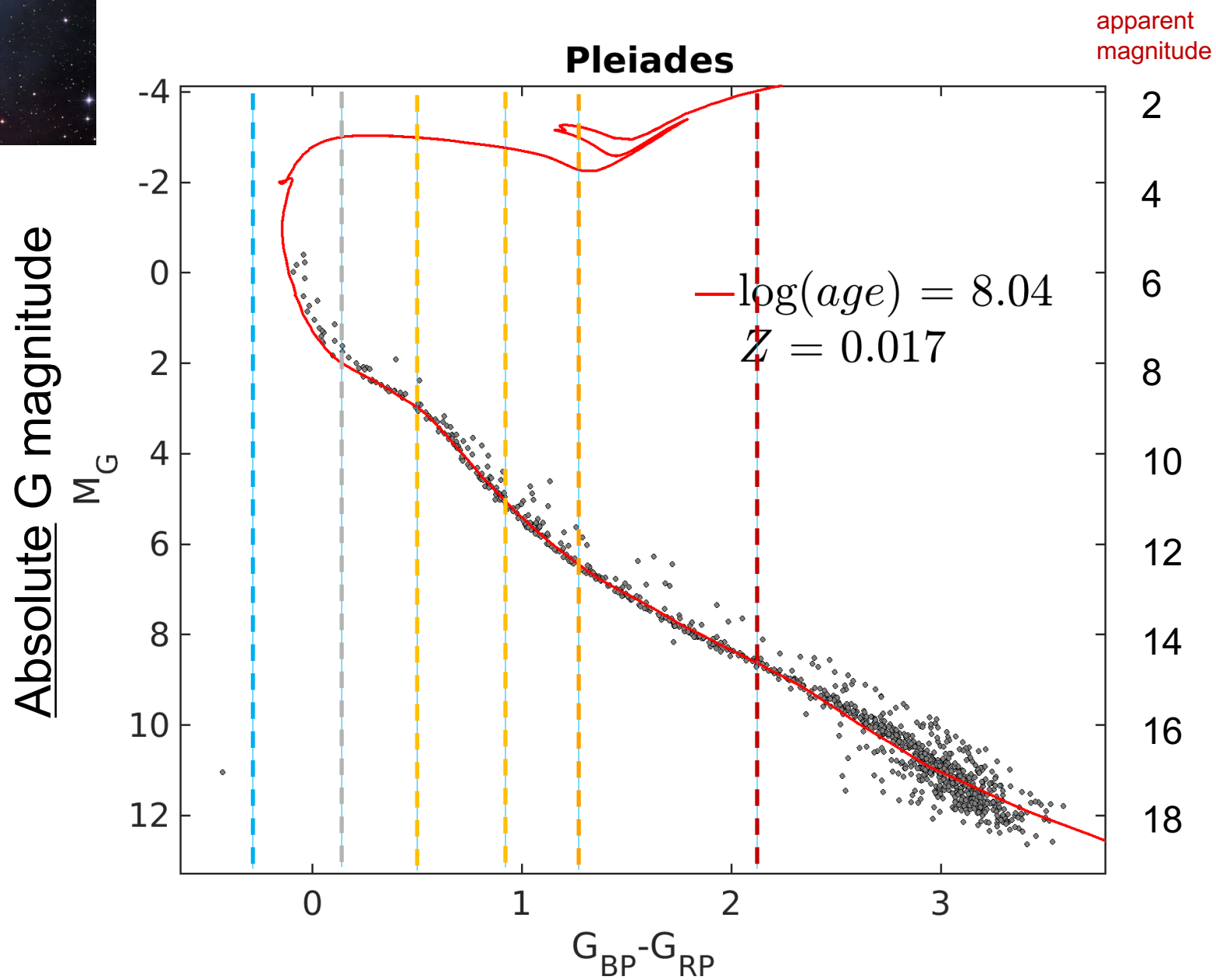


Fig 2.12 (J.-C. Mermilliod) 'Galaxies in the Universe' Sparke/Gallagher CUP 2007

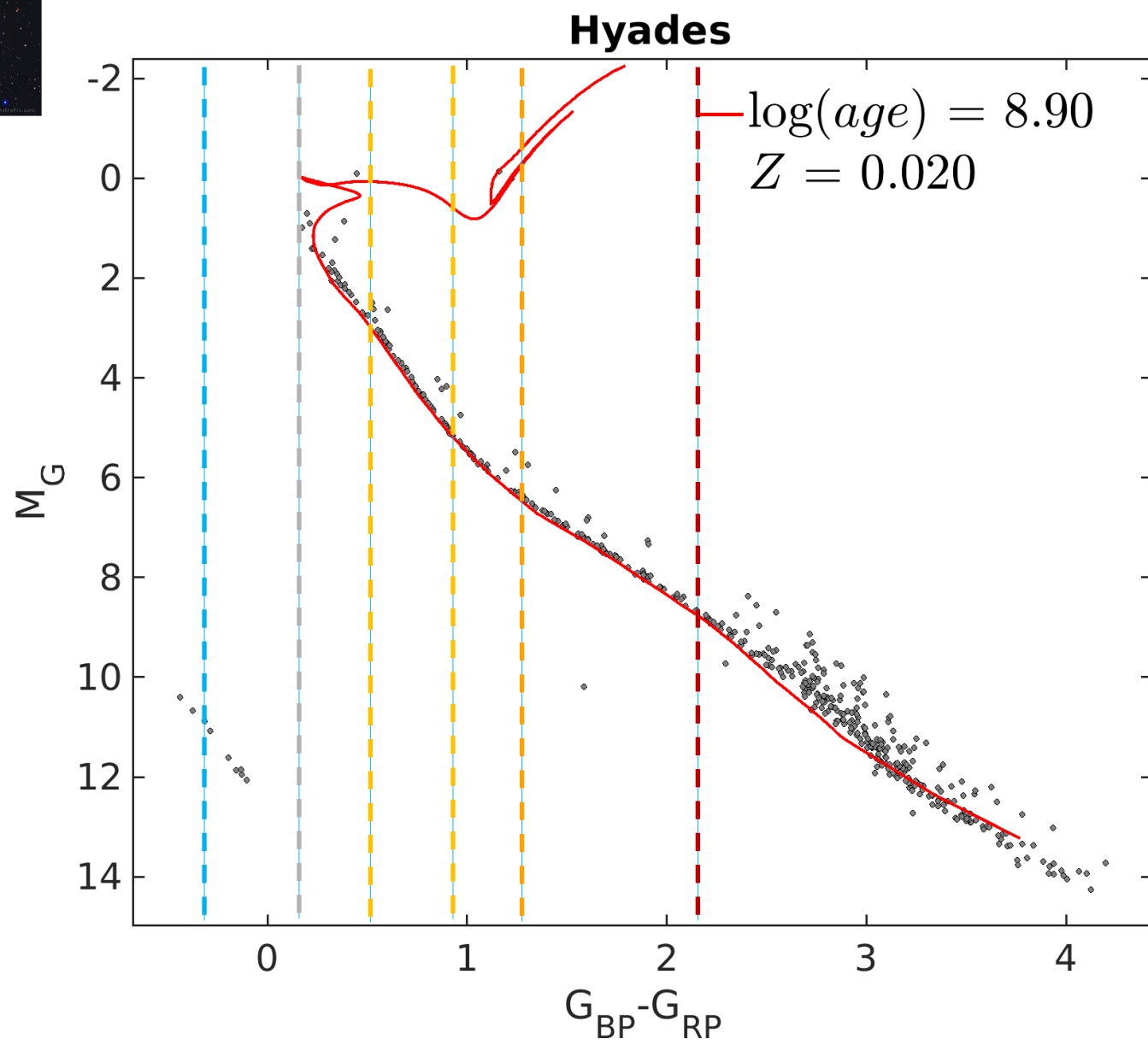


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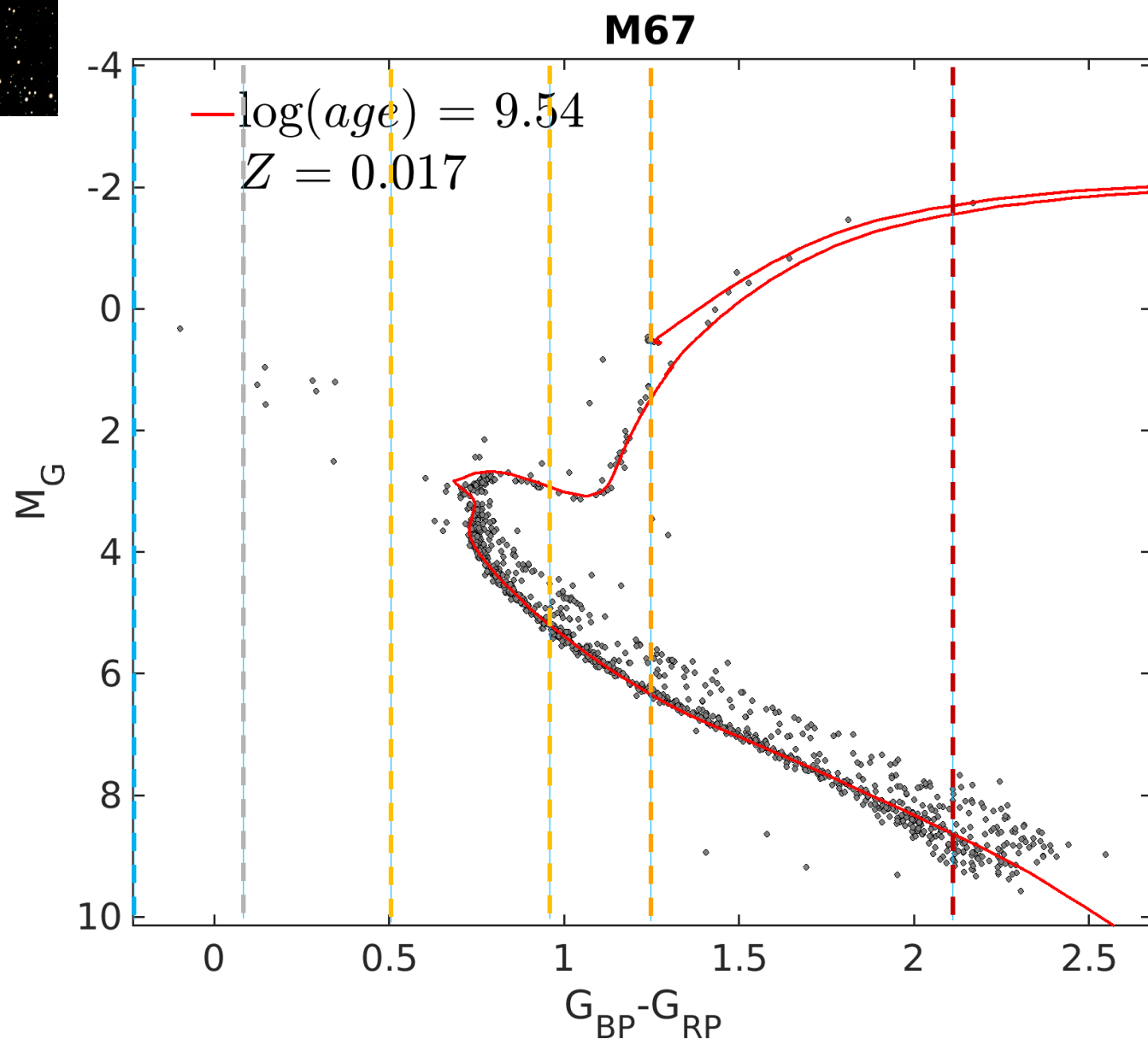


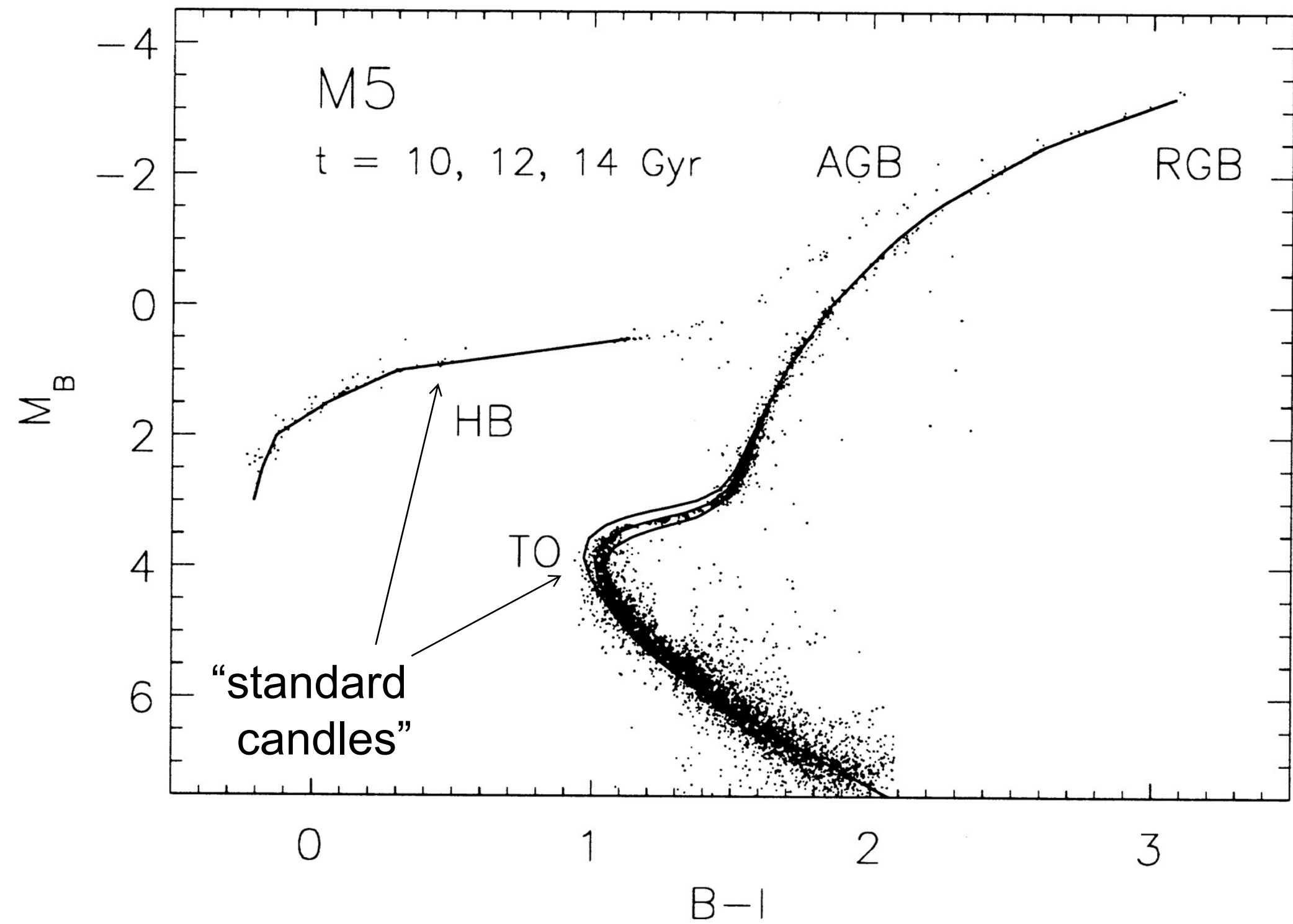
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GAIA Data Release 2 (2018)





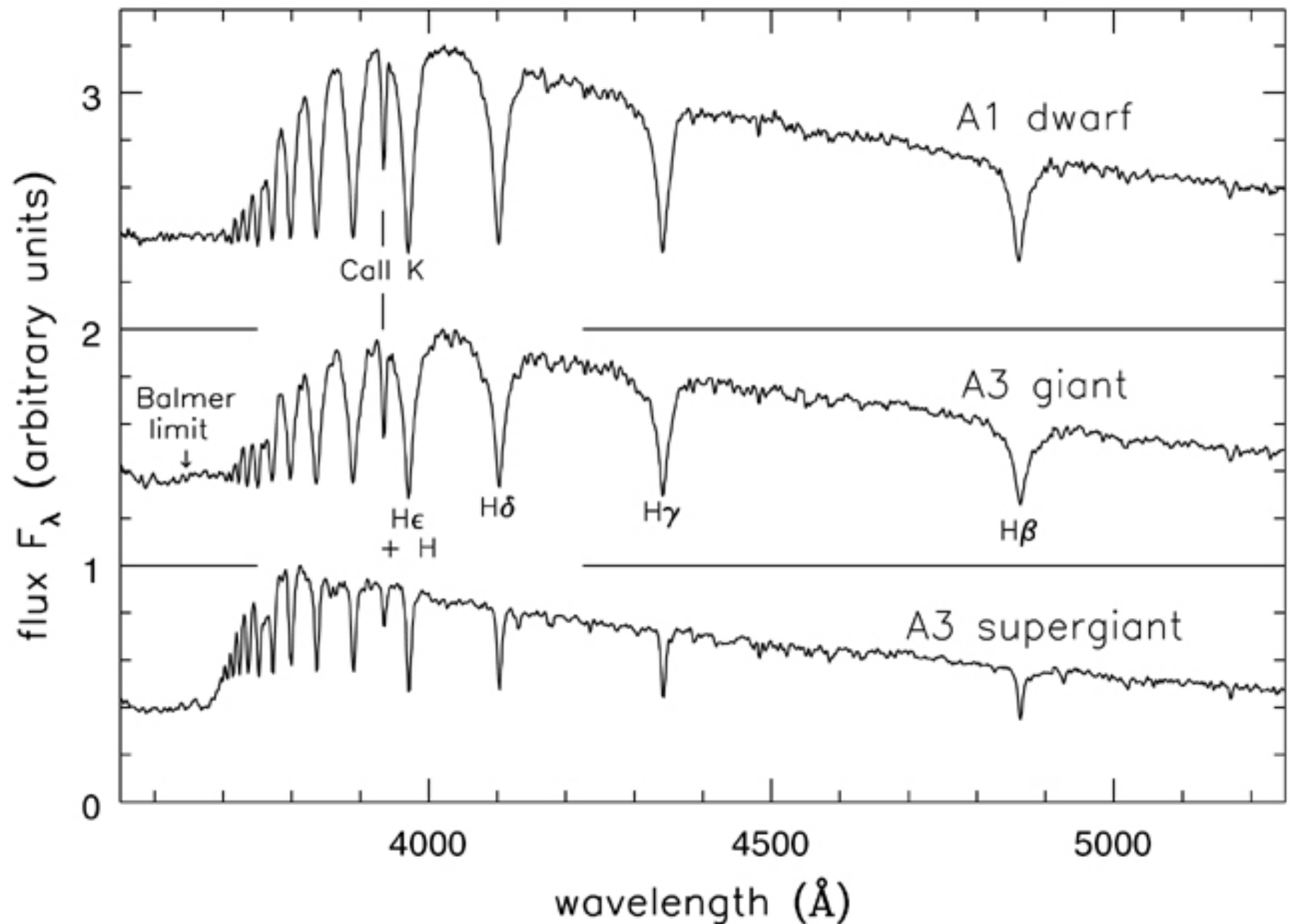
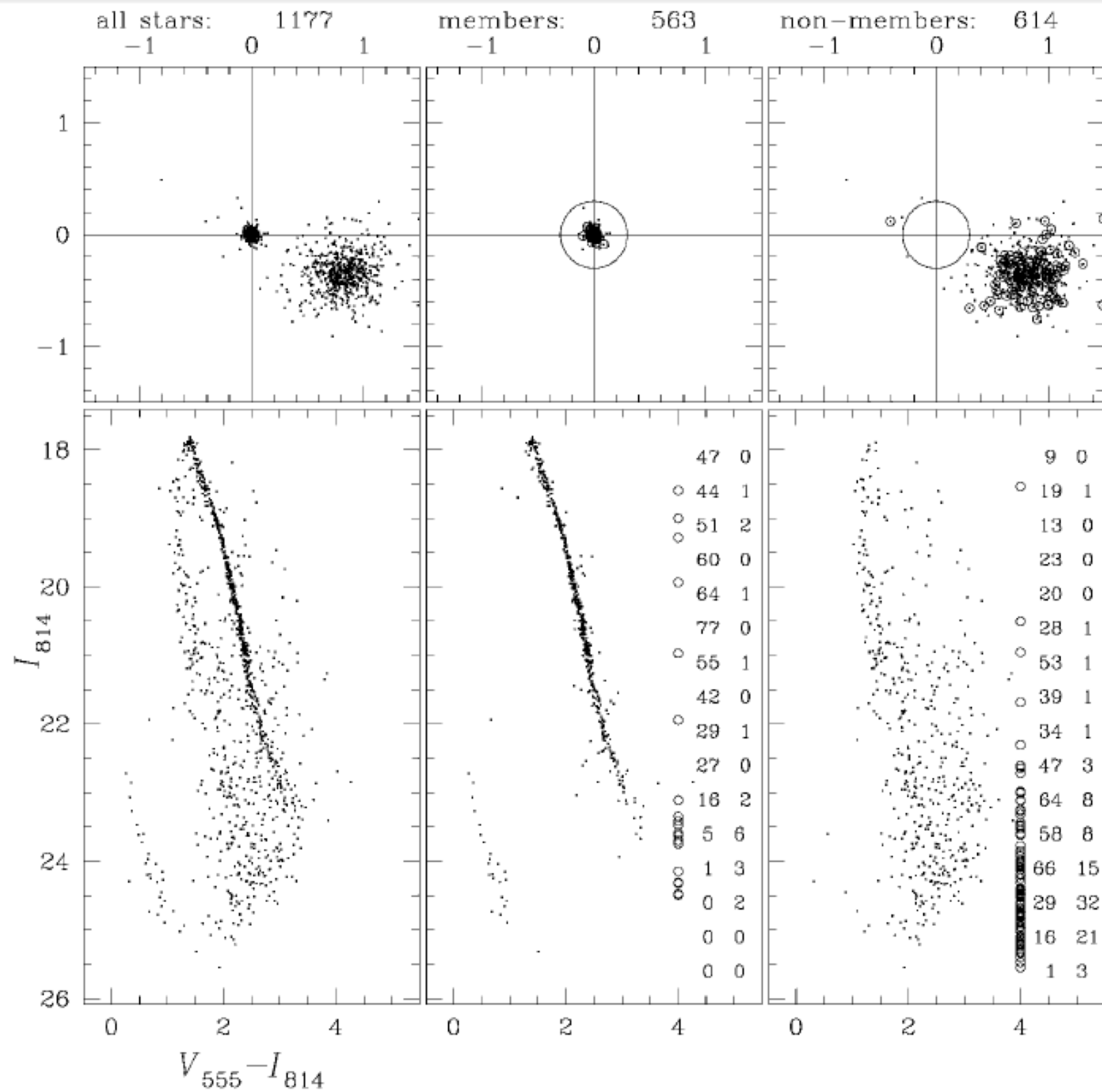
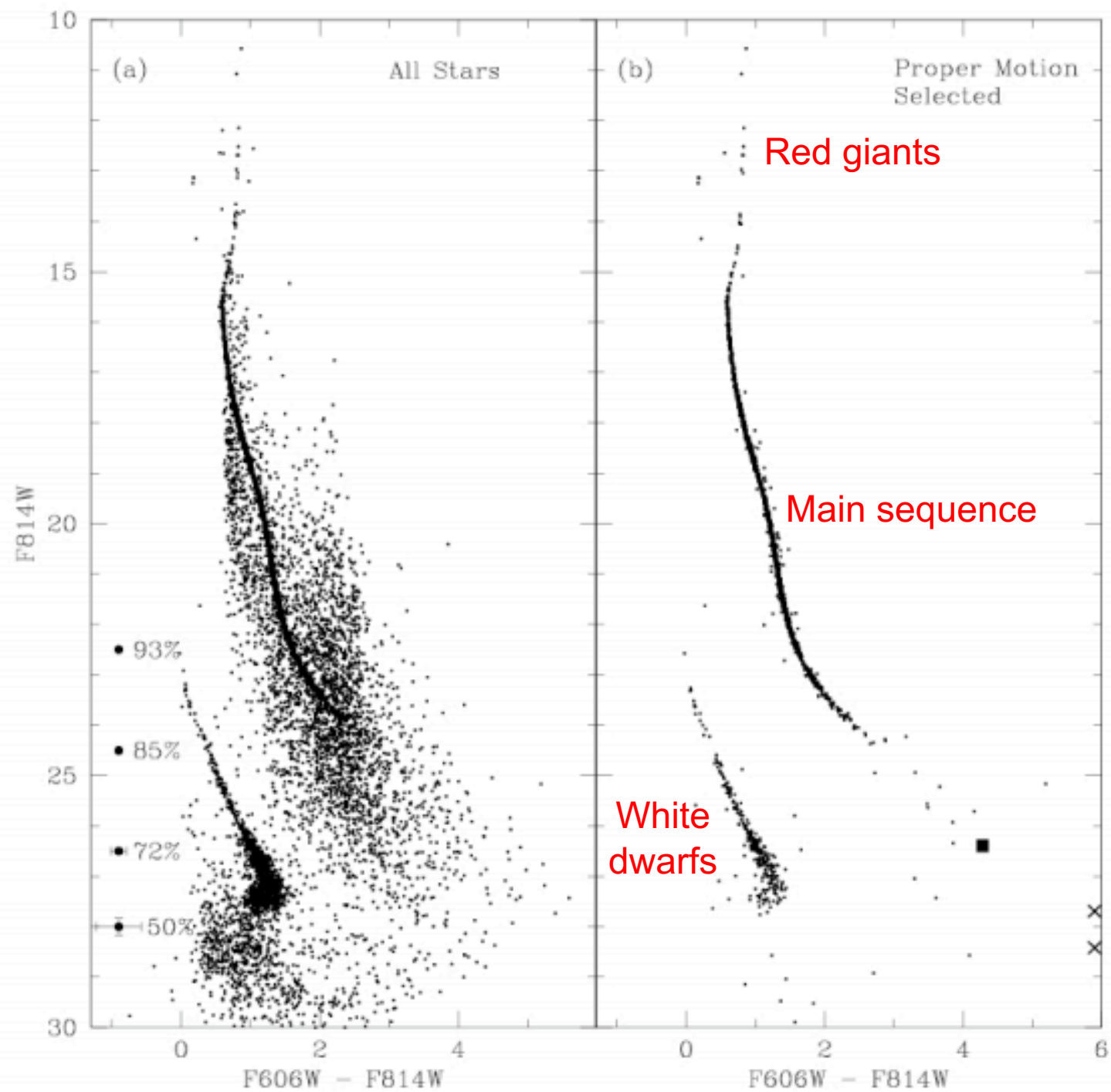
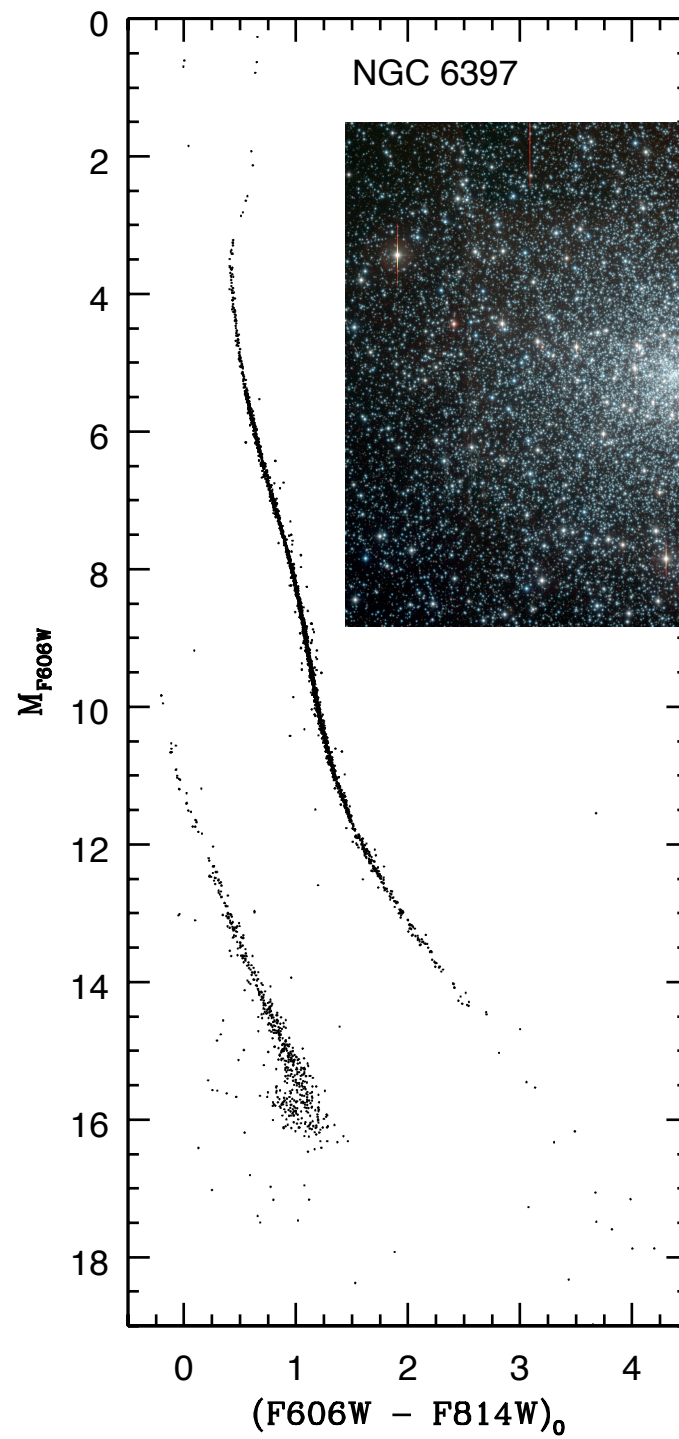
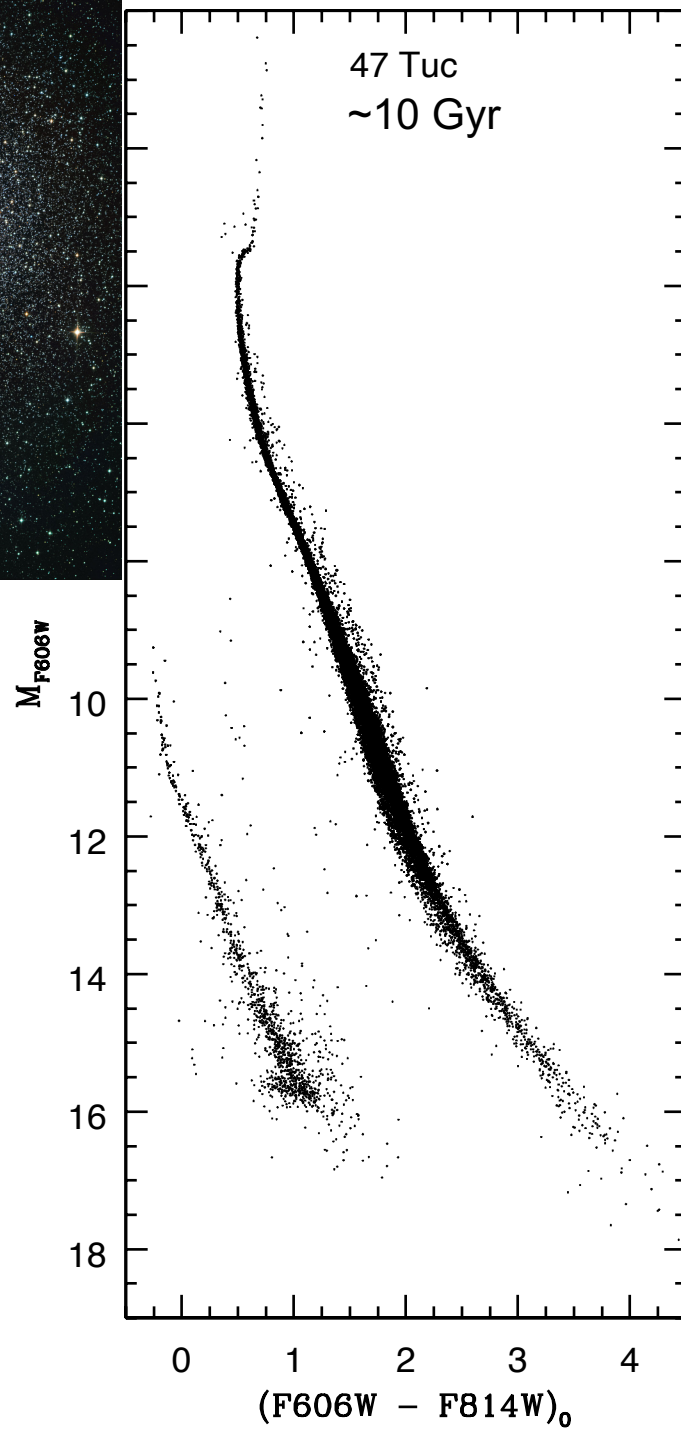


Fig 1.2 'Galaxies in the Universe' Sparke/Gallagher CUP 2007







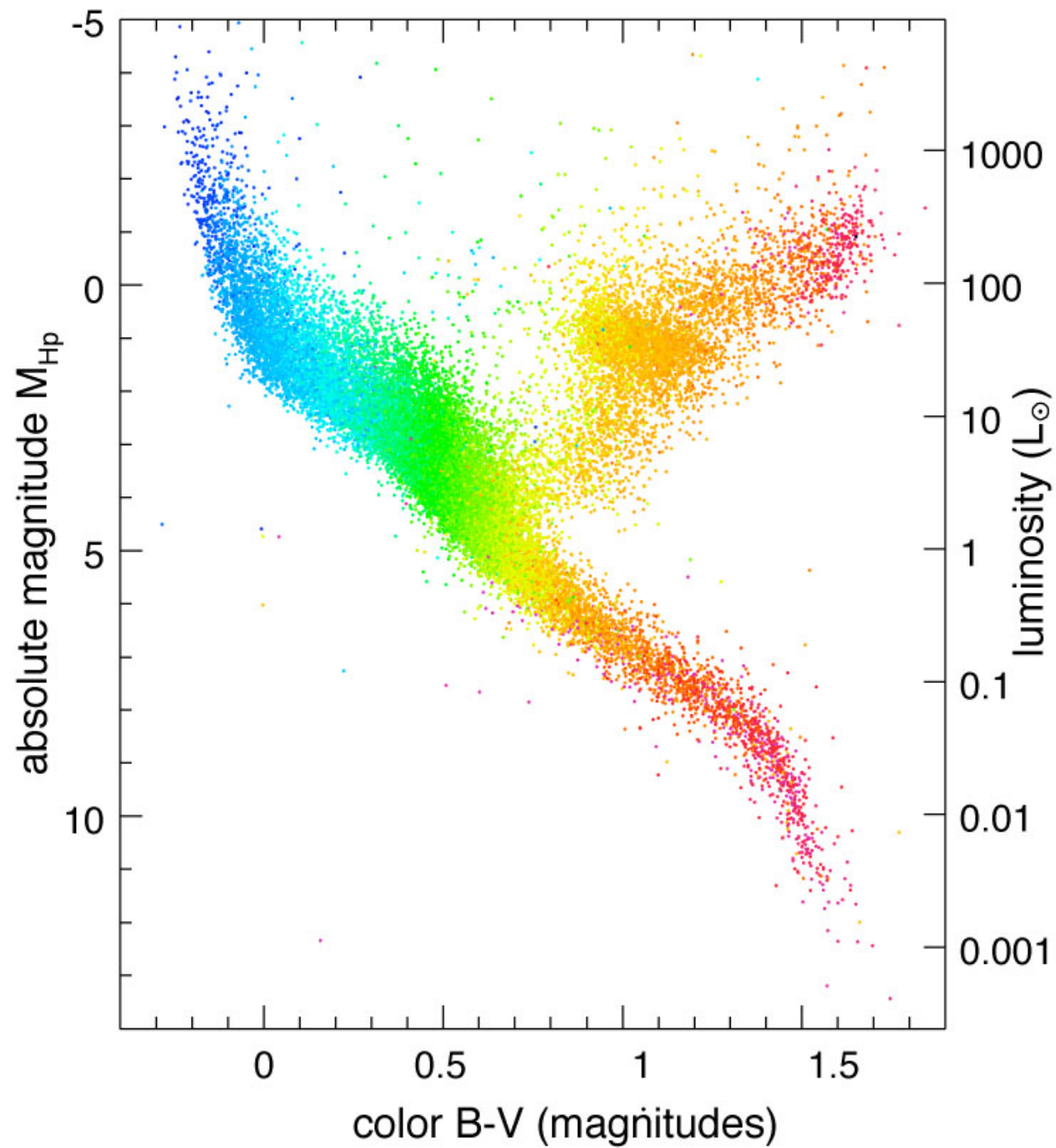


Fig 2.2 (F. van Leeuwen) 'Galaxies in the Universe' Sparke/Gallagher CUP 2007

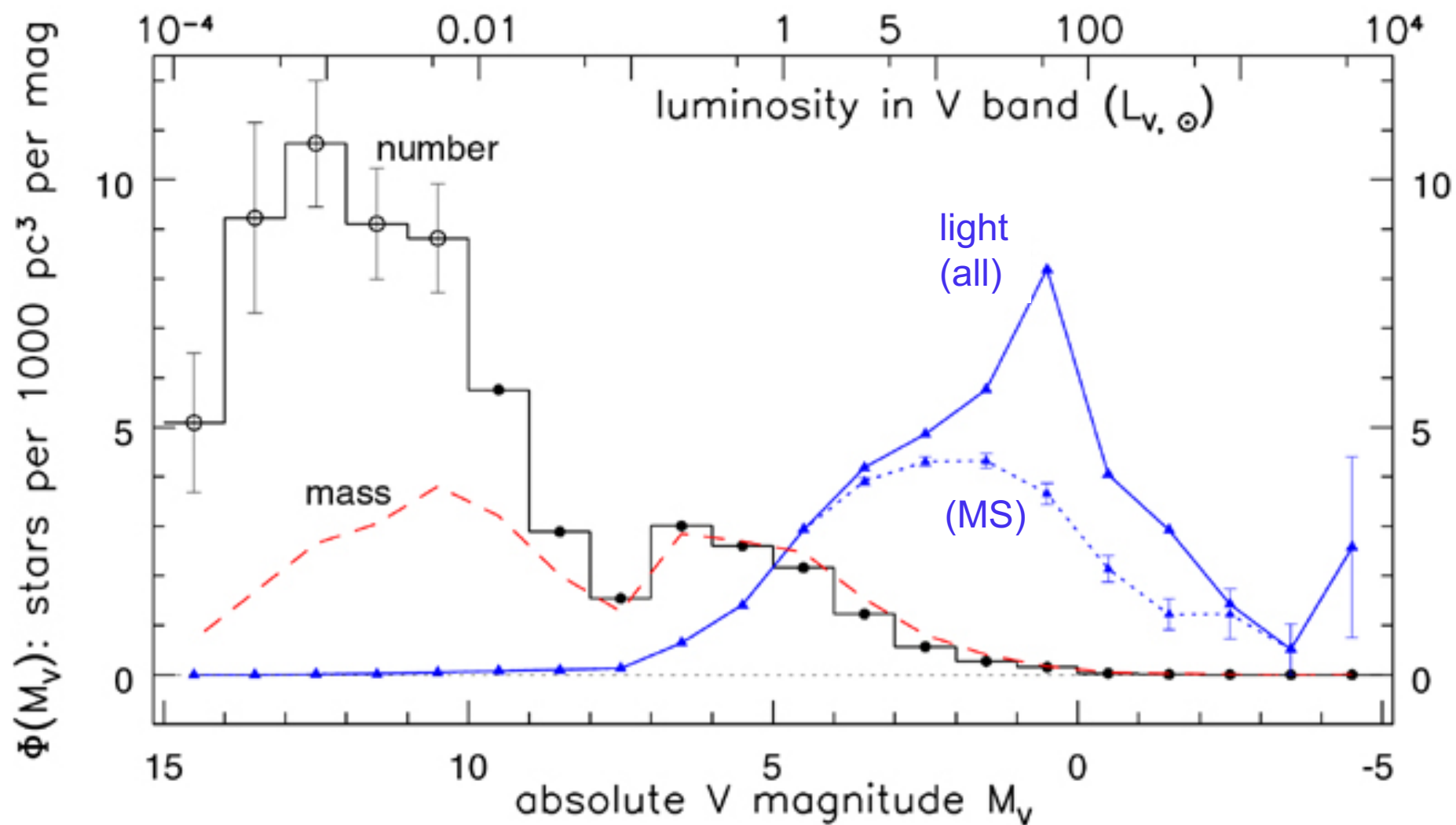


Fig 2.3 'Galaxies in the Universe' Sparke/Gallagher CUP 2007

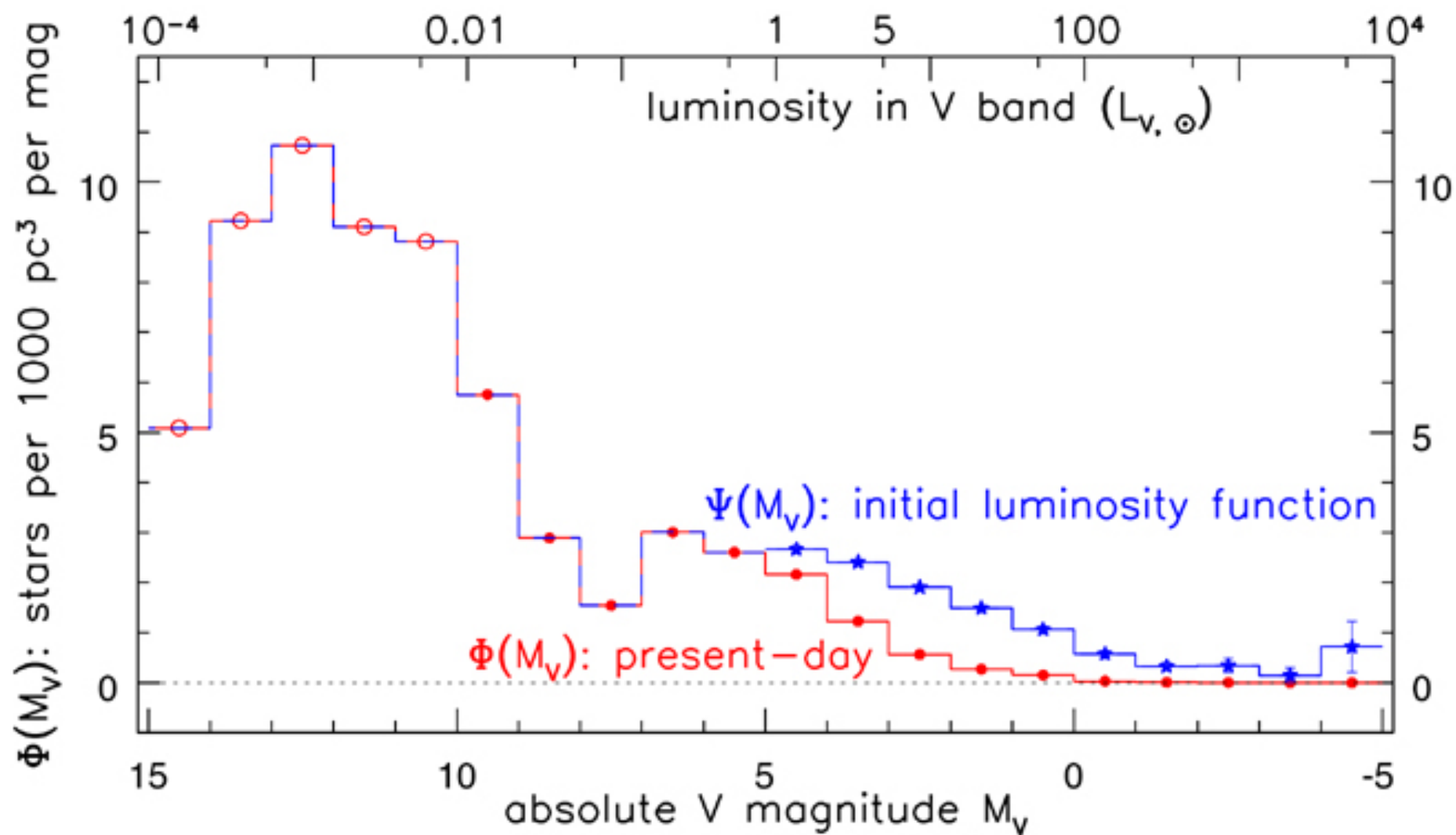


Fig 2.4 'Galaxies in the Universe' Sparke/Gallagher CUP 2007

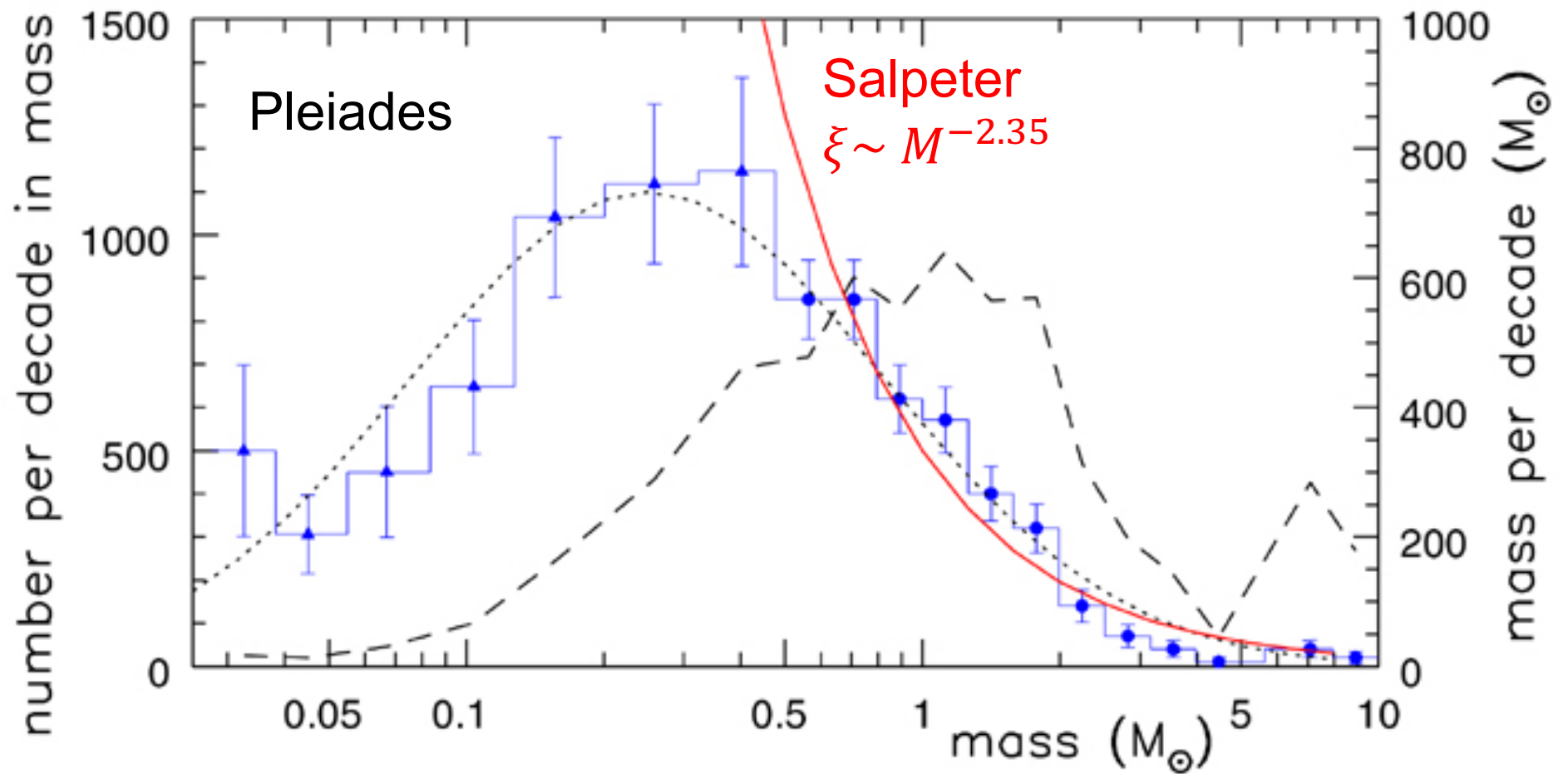
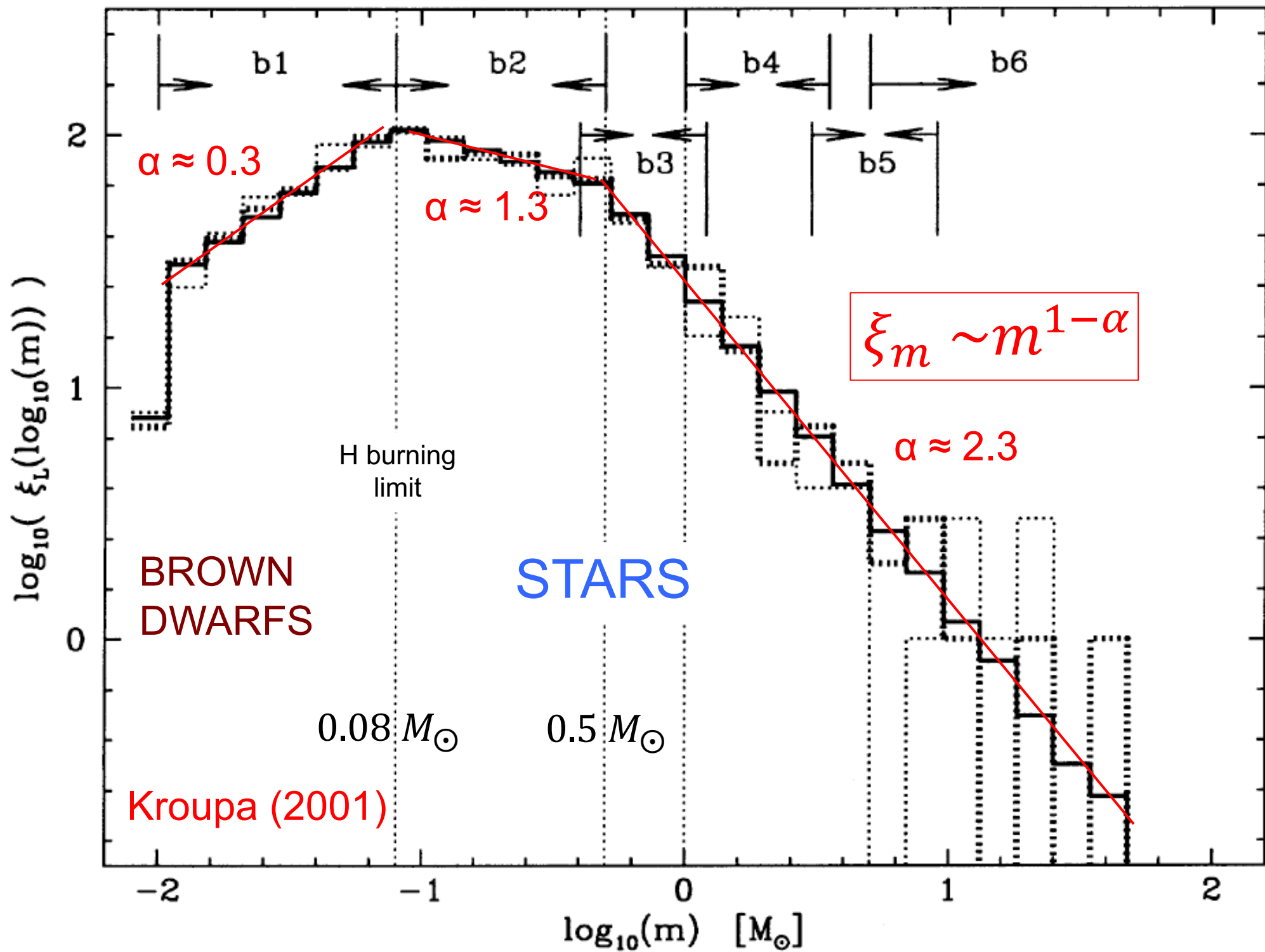


Fig 2.5 (E. Moreau) 'Galaxies in the Universe' Sparke/Gallagher CUP 2007



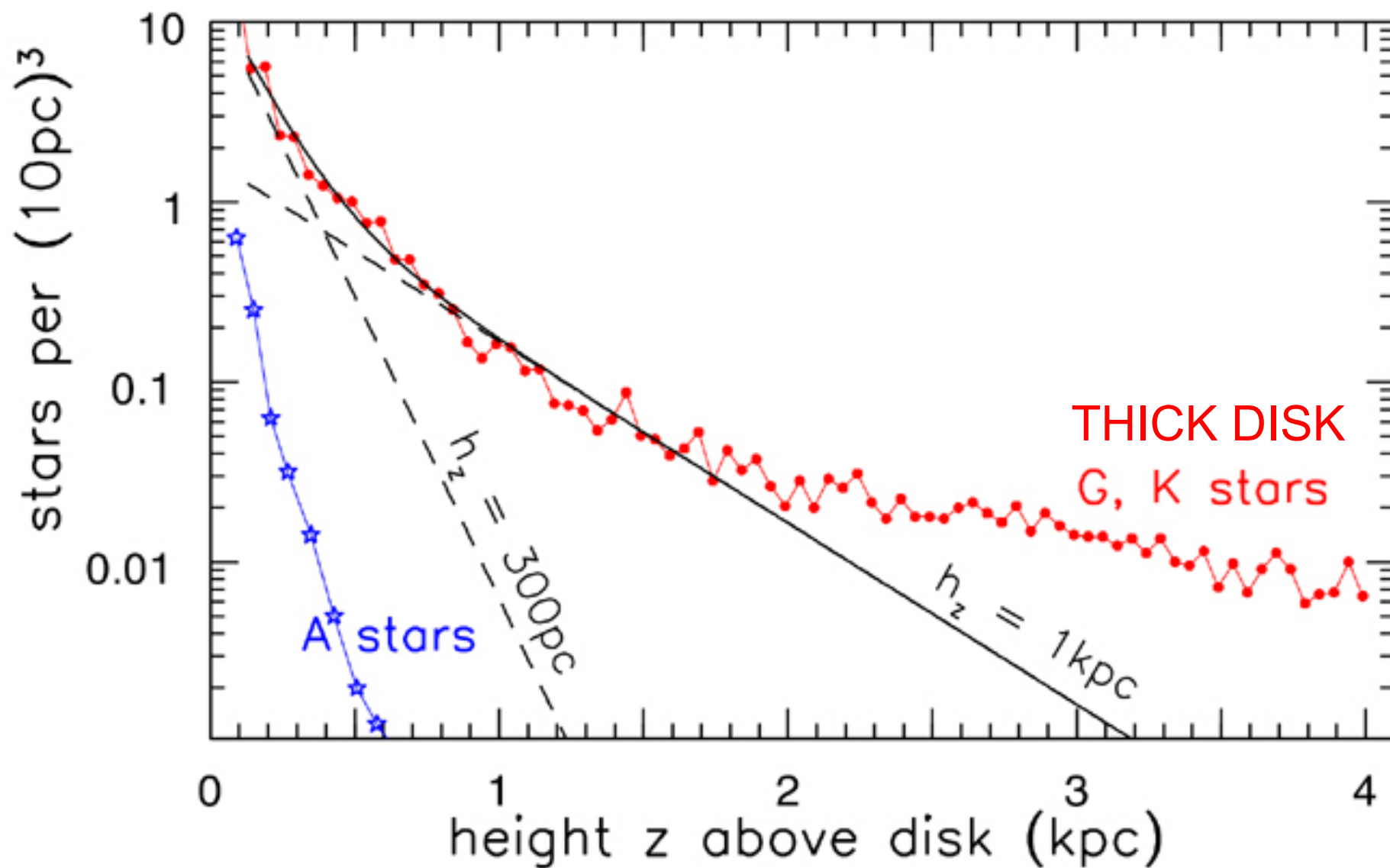


Fig 2.8 (Reid, Knude) 'Galaxies in the Universe' Sparke/Gallagher CUP 2007

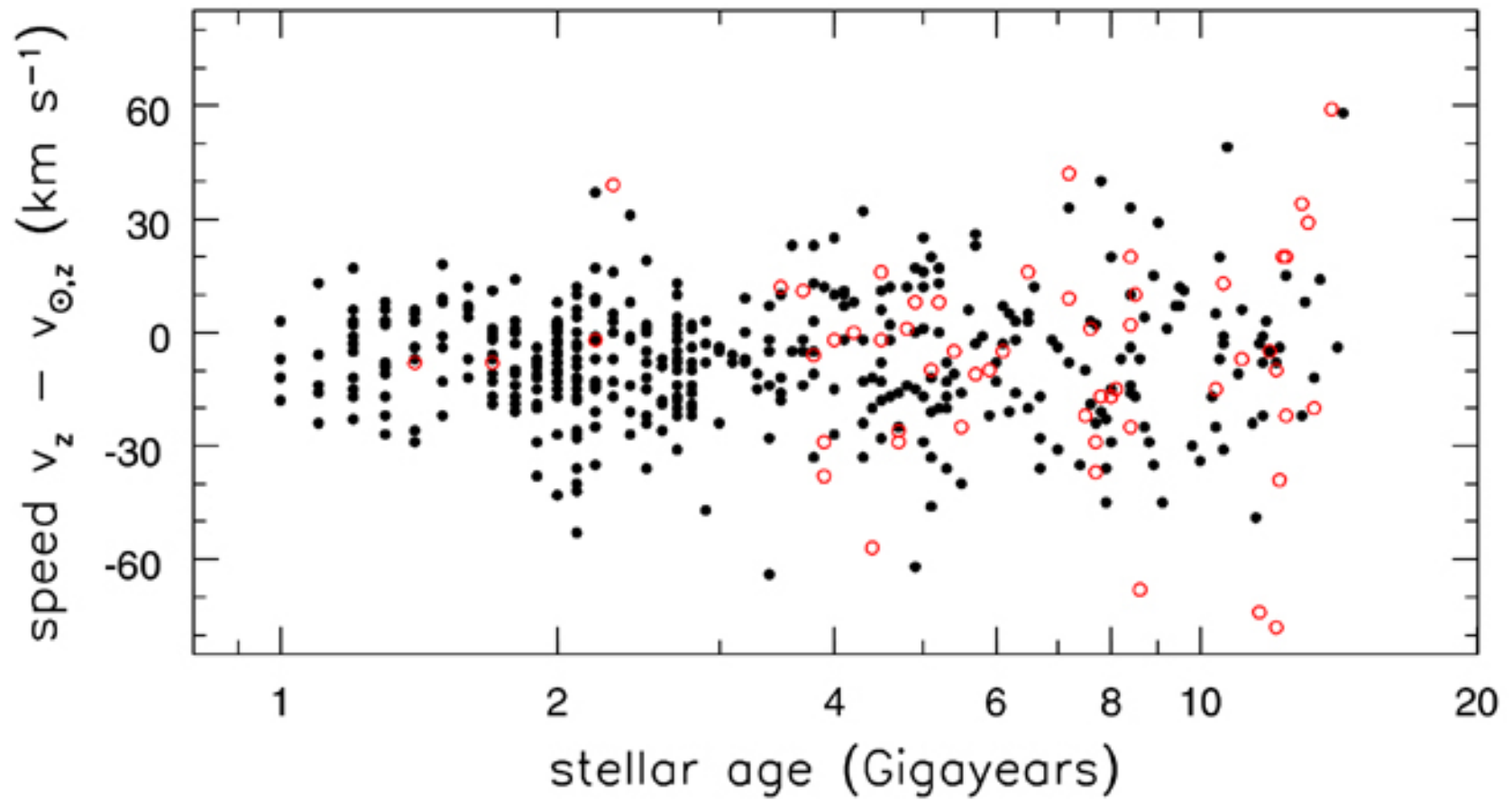


Fig 2.9 'Galaxies in the Universe' Sparke/Gallagher CUP 2007