

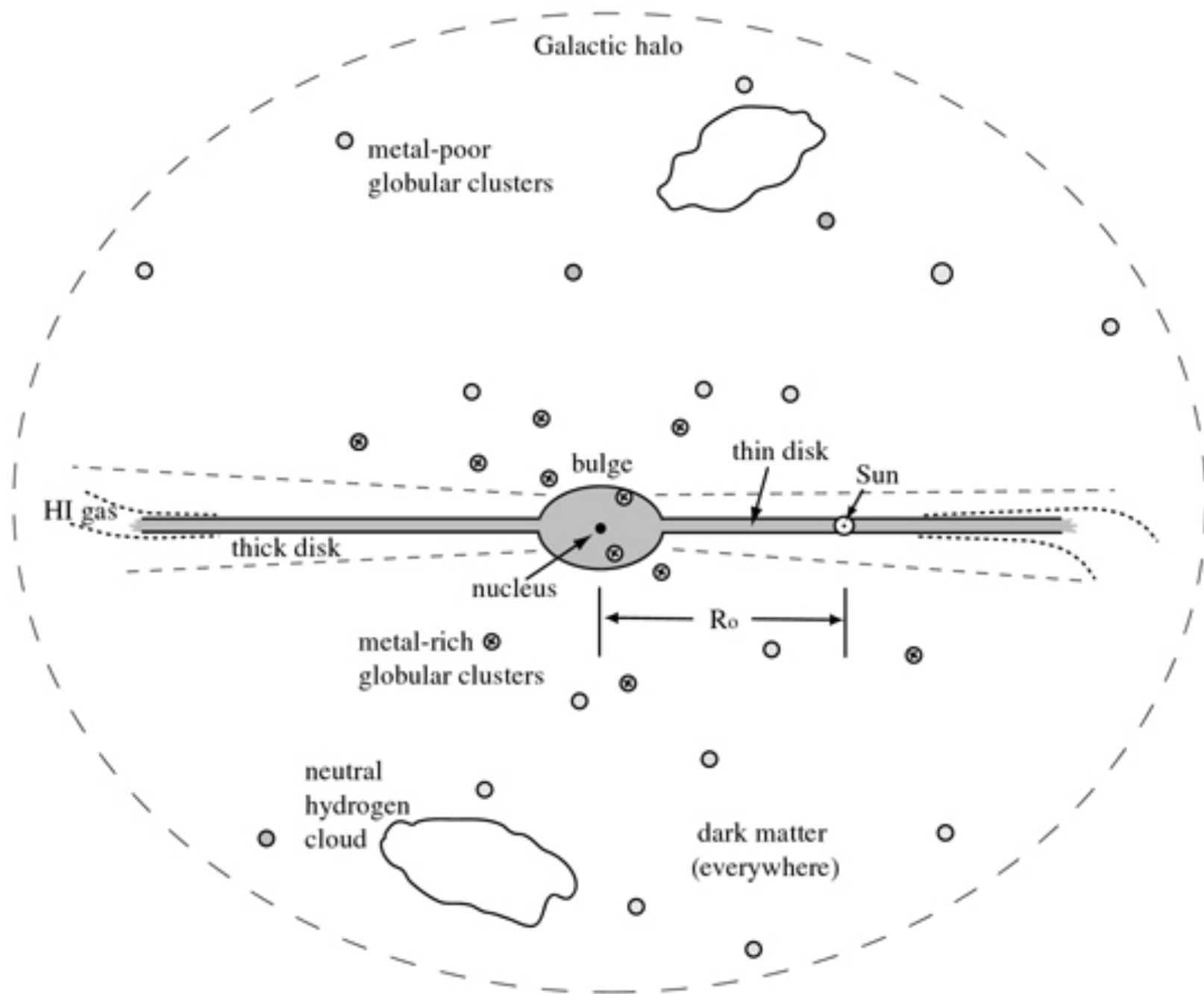
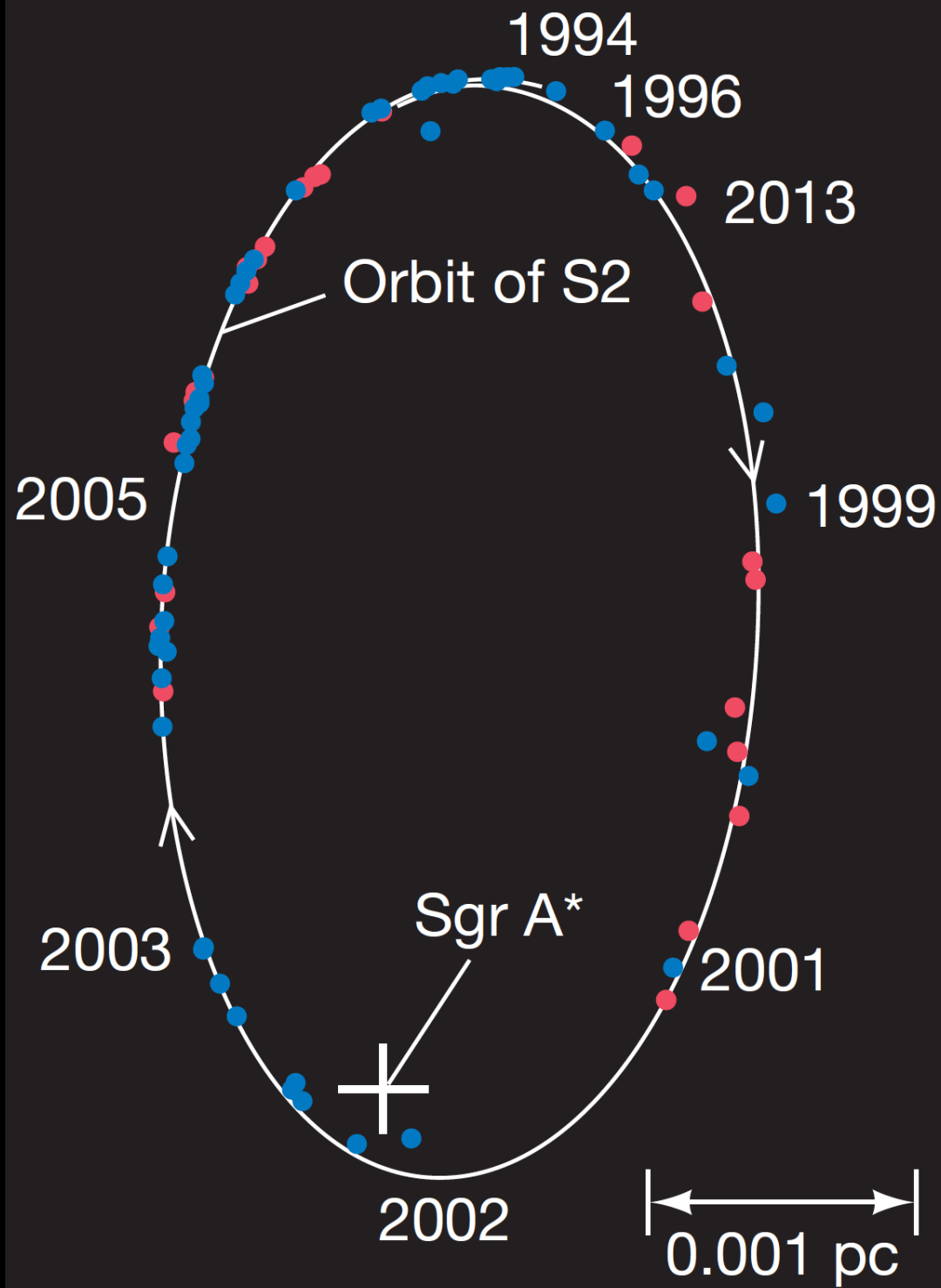


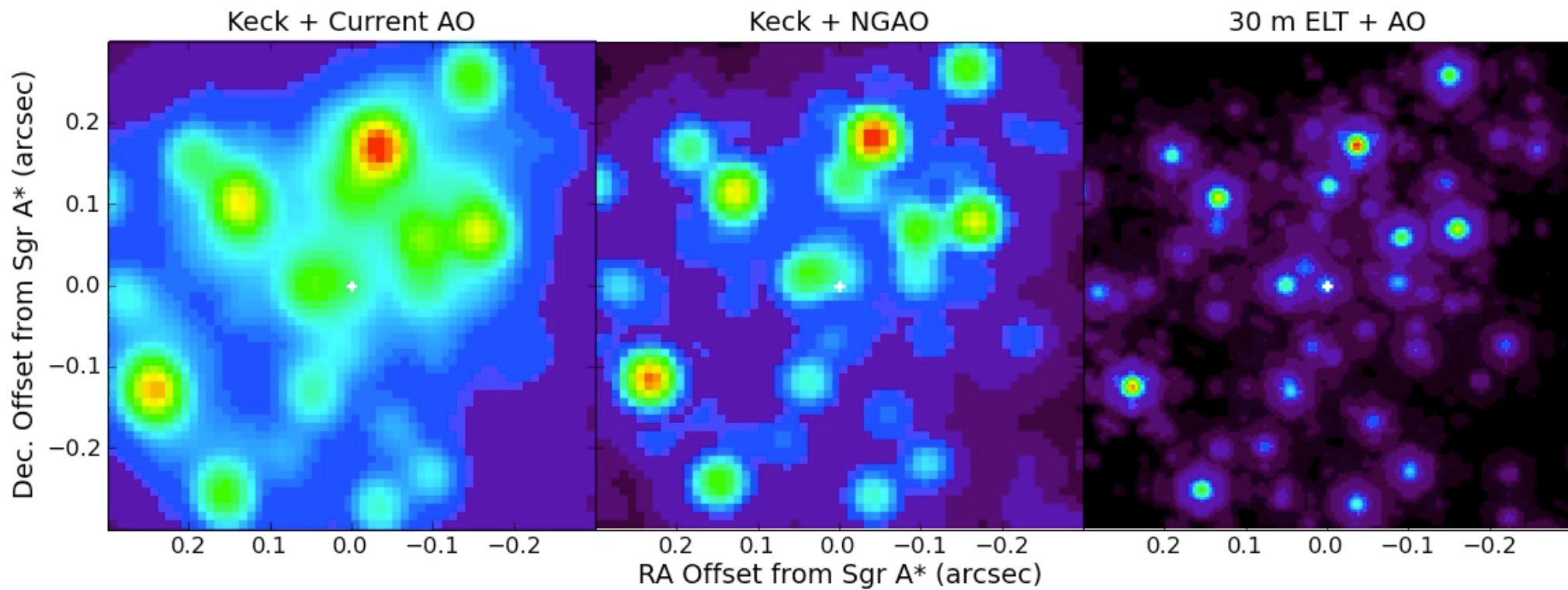
Fig 1.8 'Galaxies in the Universe' Sparke/Gallagher CUP 2007







Courtesy NCSA, UCLA / Keck



http://www.astro.ucla.edu/~ghezgroup/gc/pictures/Future_GCorbits.shtml

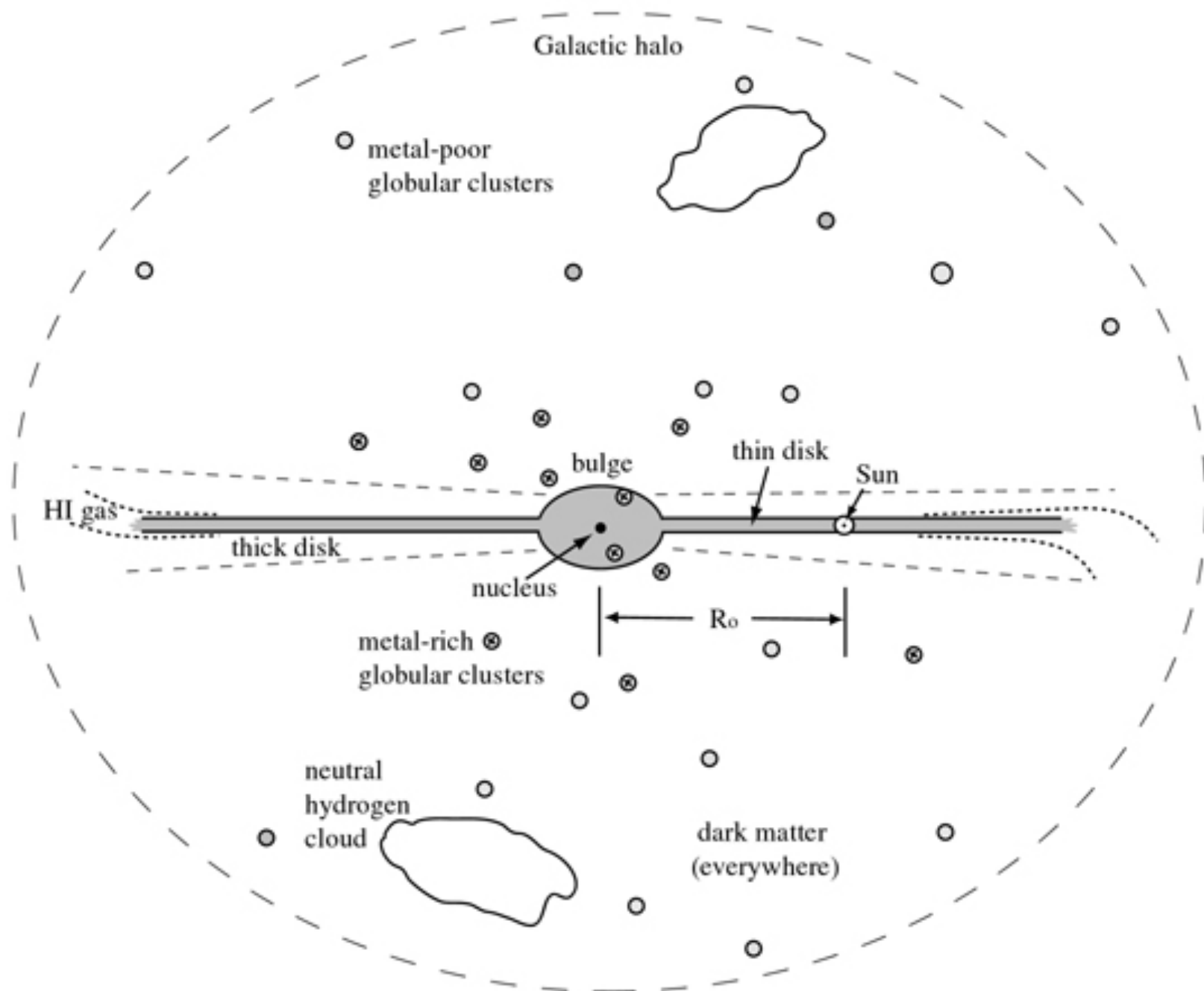


Fig 1.8 'Galaxies in the Universe' Sparke/Gallagher CUP 2007

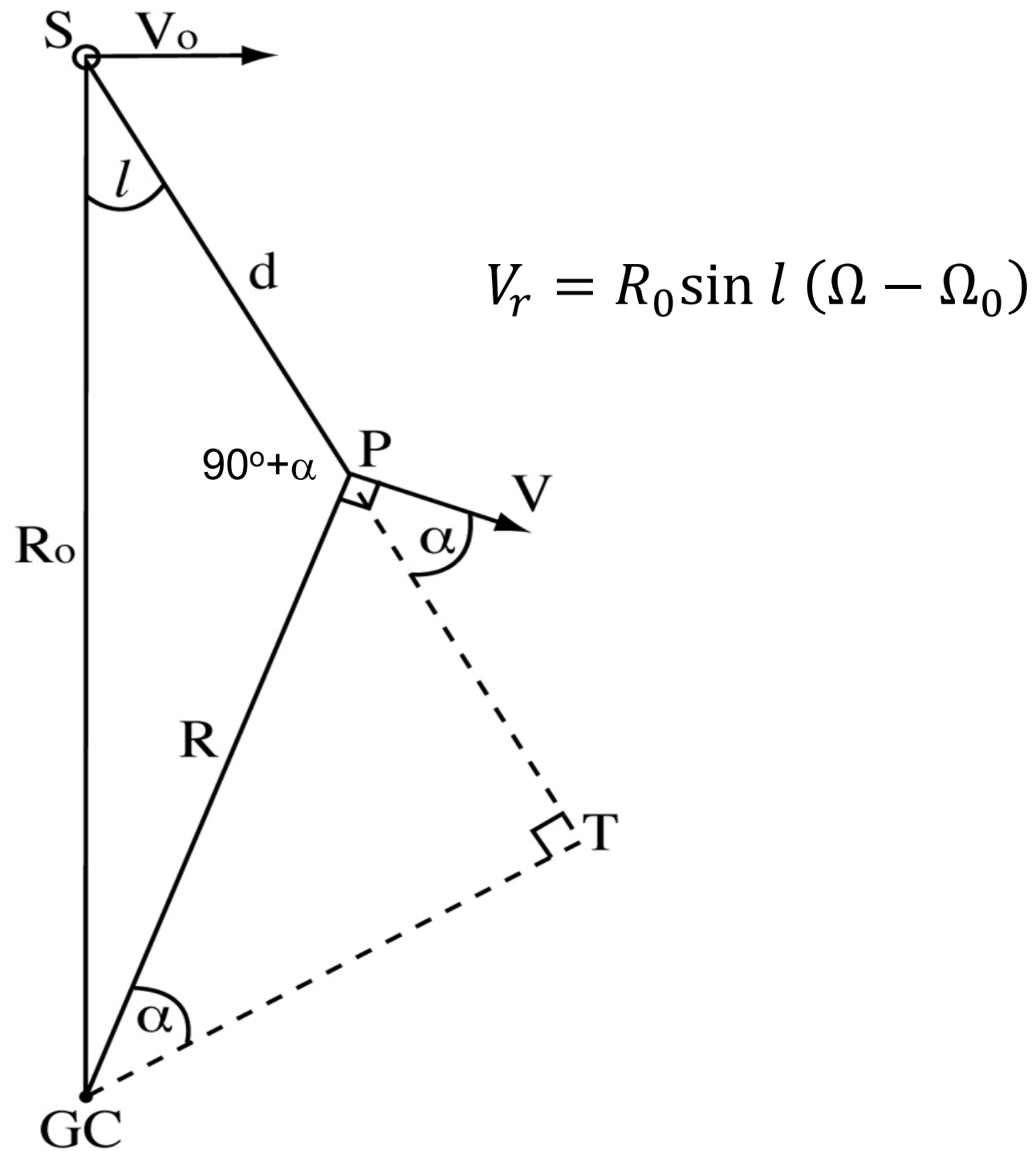


Fig2.19 'Galaxies in the Universe' Sparke/Gallagher CUP 2007

Leiden/Dwingeloo & IAR HI Surveys; $b = 0$

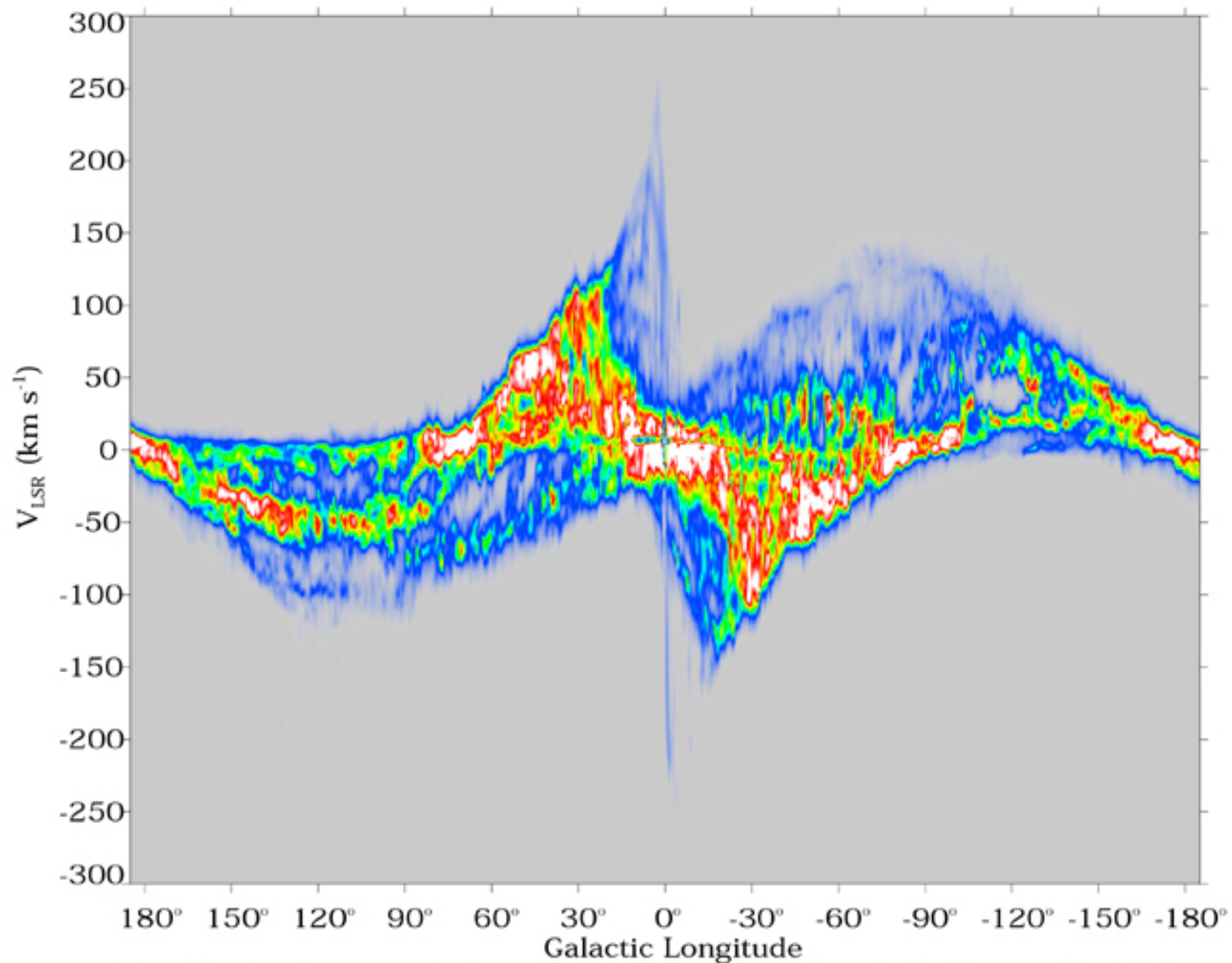


Fig 2.20 (D. Hartmann) 'Galaxies in the Universe' Sparke/Gallagher CUP 2007

$$M \approx V^2 R / G = 7.4 \times 10^{10} M_{\odot} \quad 1.8 \times 10^{11} M_{\odot}$$

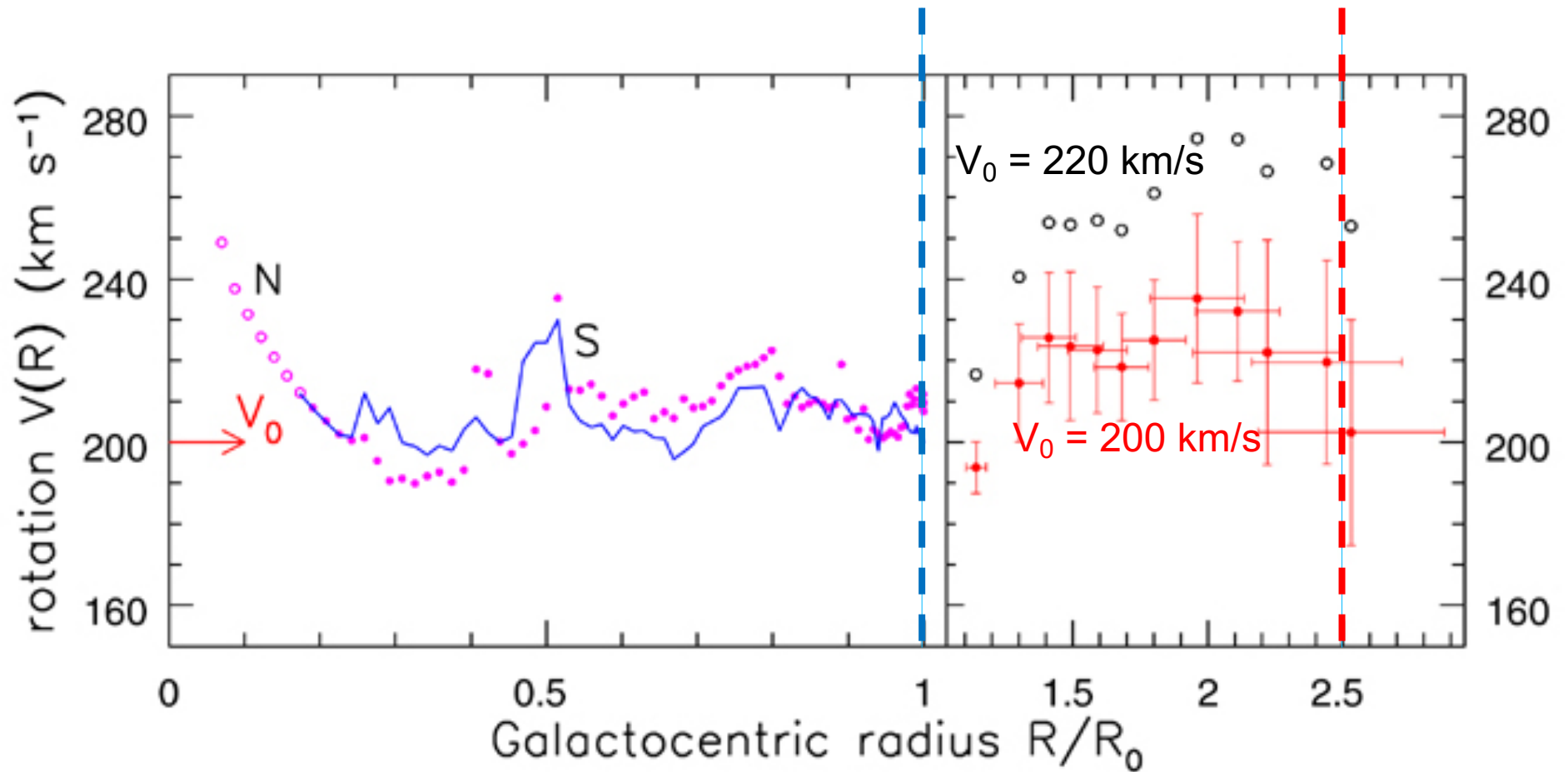


Fig 2.21 (Burton, Honma) 'Galaxies in the Universe' Sparke/Gallagher CUP 2007

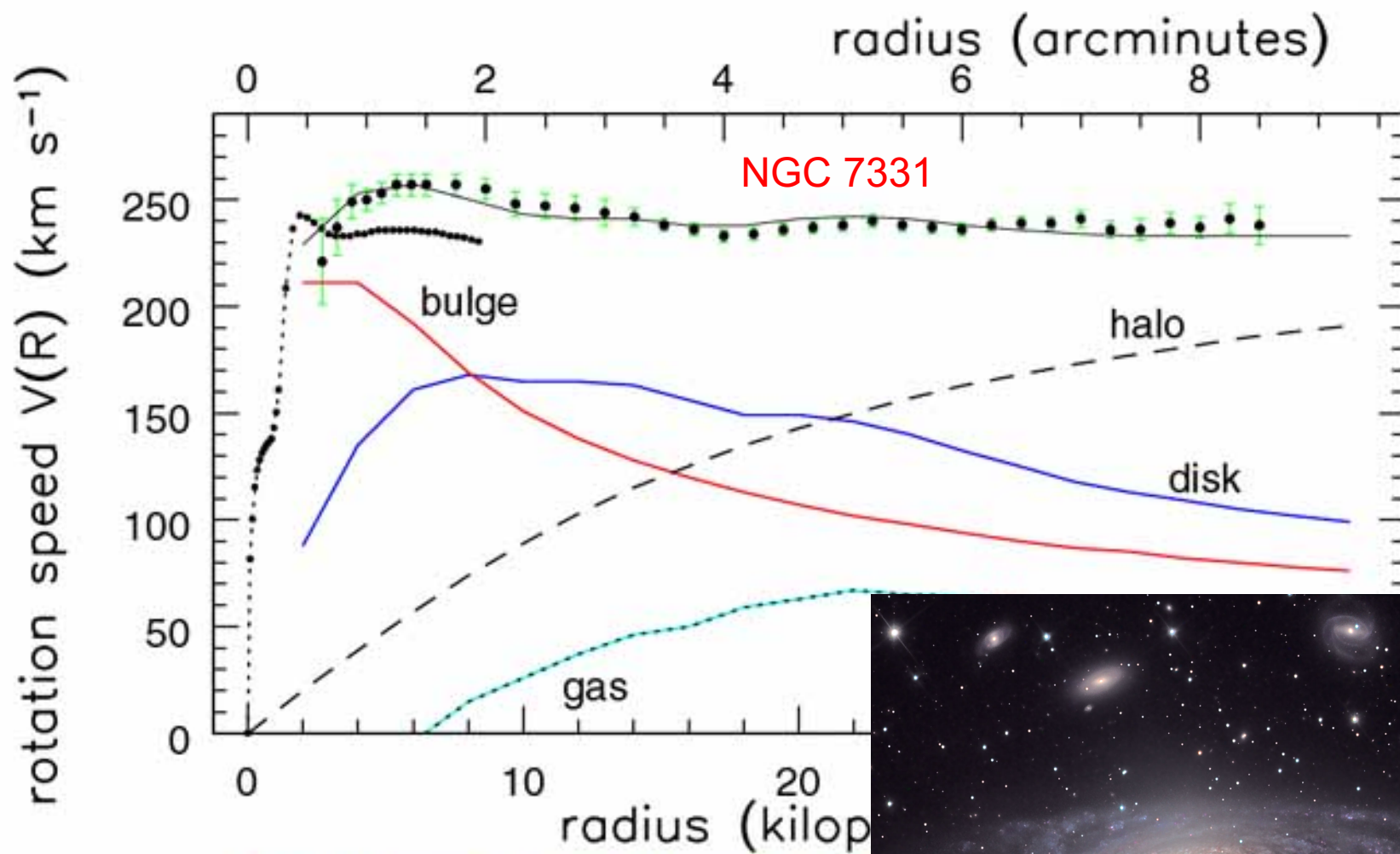


Fig 5.20 (Begeman, Sofue) 'Galaxies in the U



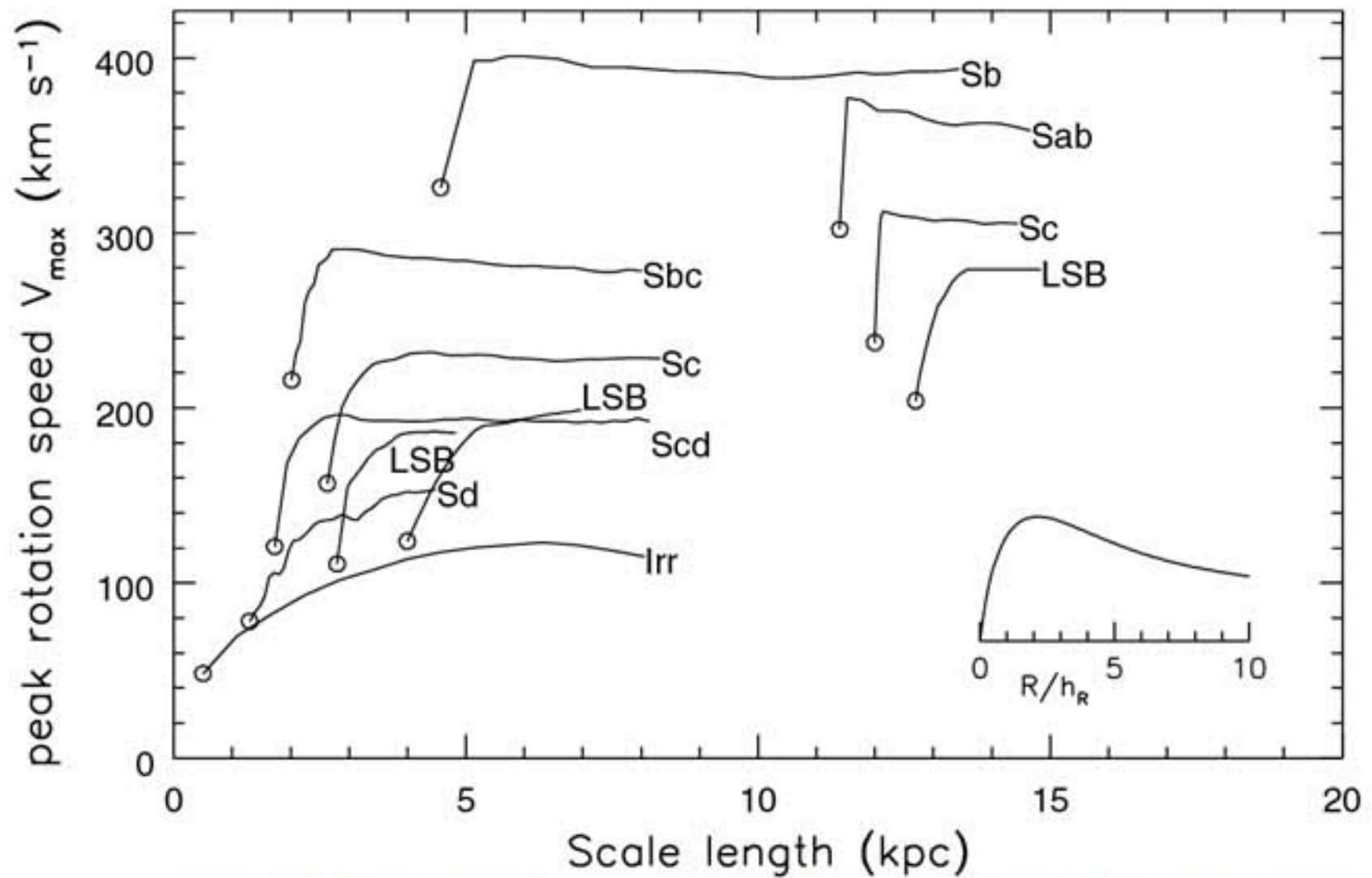
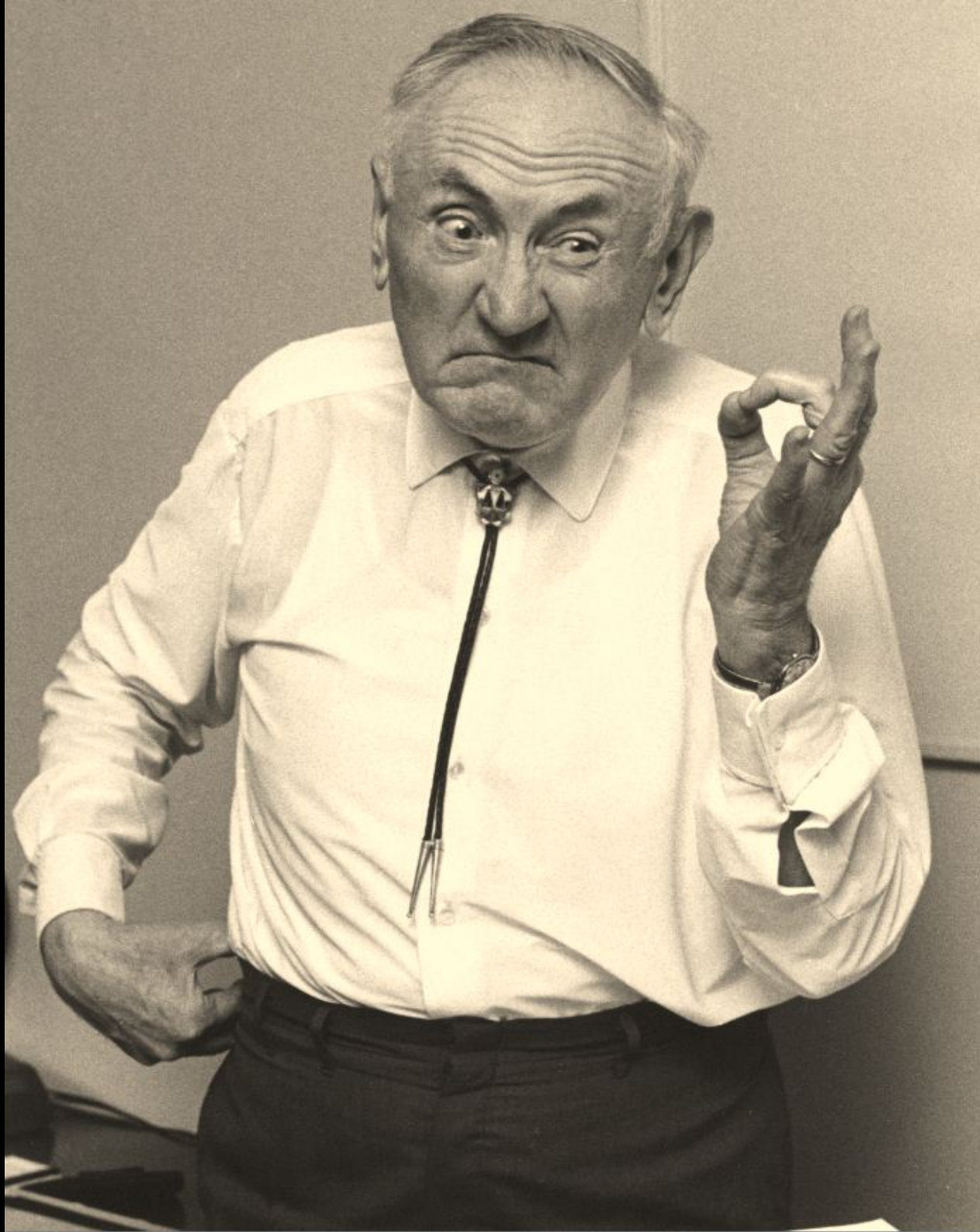
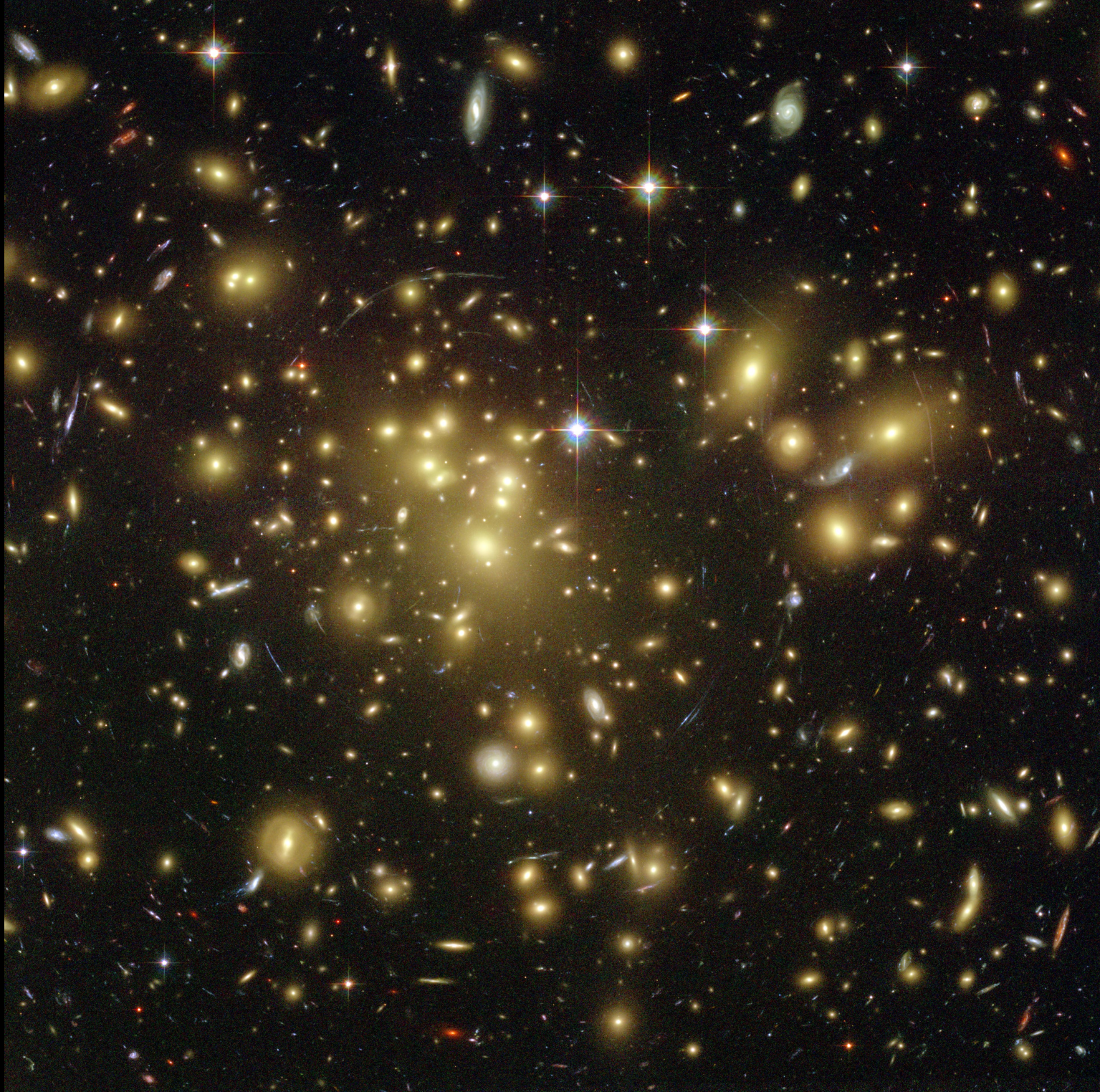
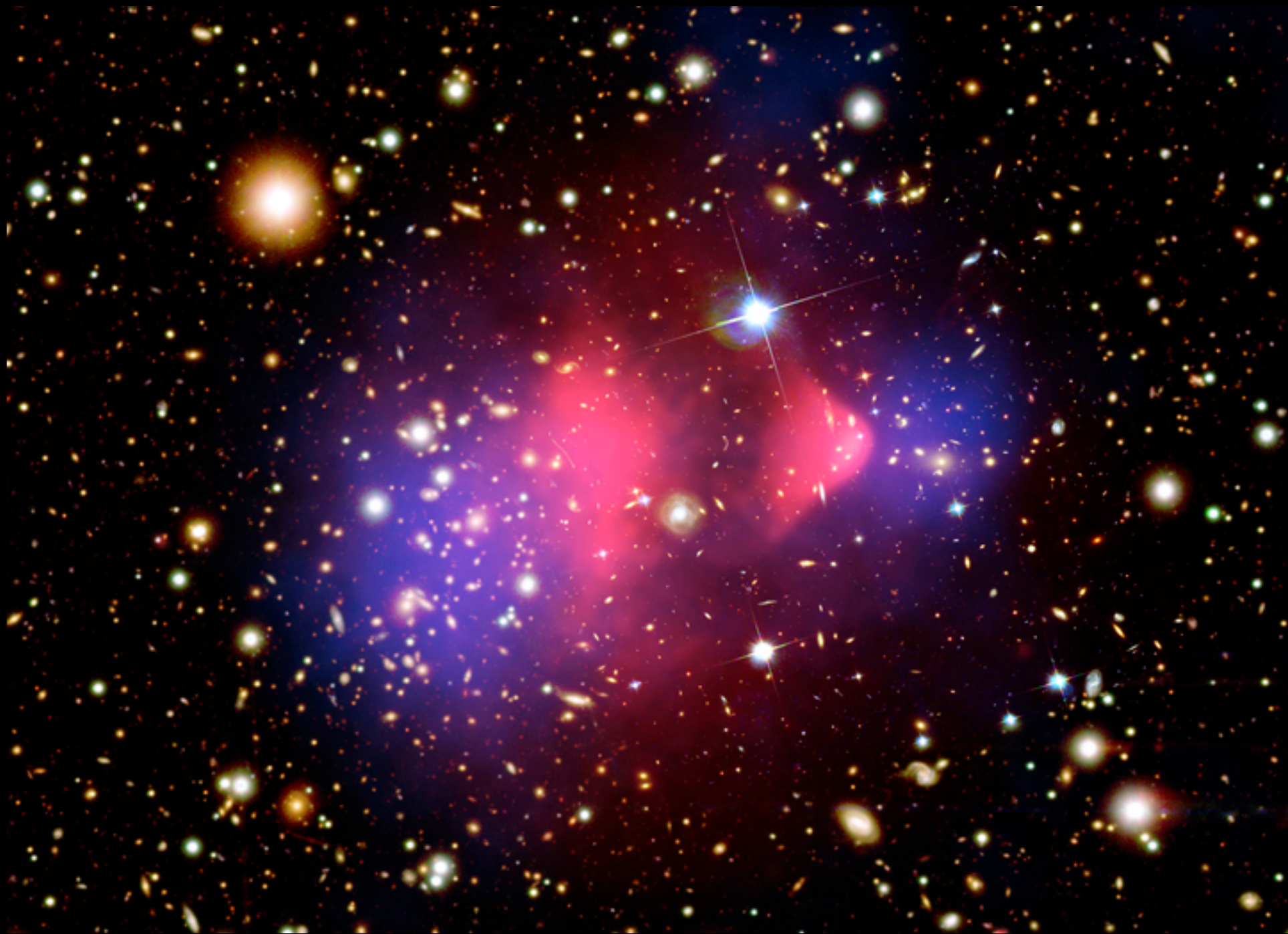


Fig 5.21 (Broeils & de Blok) 'Galaxies in the Universe' Sparke/Gallagher CUP 2007









phase	component	T (K)	n (cm ⁻³)	M _{tot} (M _⊙)	scale (pc)
molecular cloud	cold	10 – 20	> 10 ³	3 x 10 ⁹	10 – 50
dust	cold/cool	—	~ 10 ⁻¹² n _H	few x 10 ⁷	
HI cloud	cool	100	20	6 x 10 ⁹	100
HI cloud	warm	10 ⁴	0.2		>1 kpc
corona/ bubble	hot	> 10 ⁶	~ 10 ⁻³	10 ⁸	galaxy

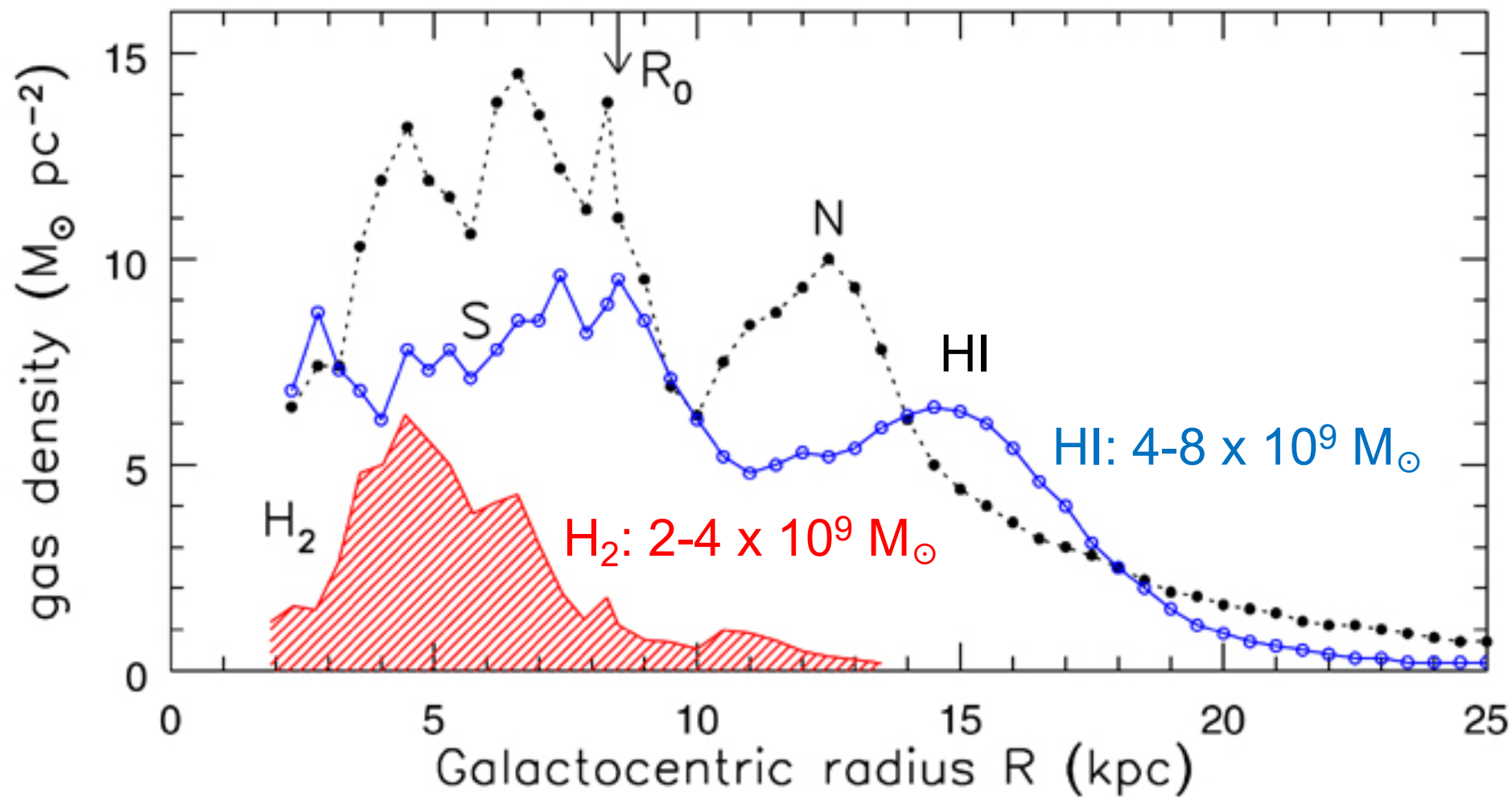
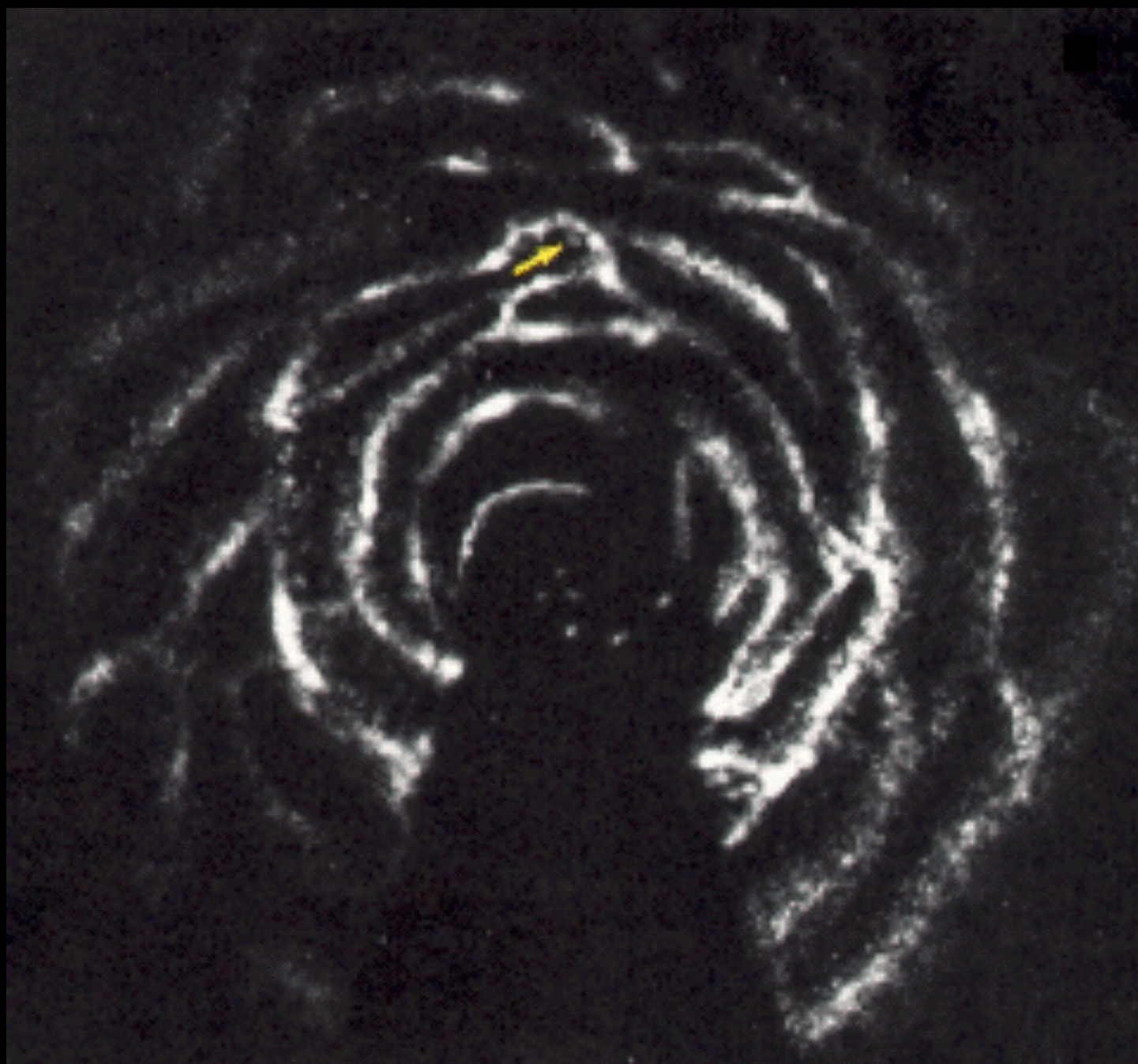
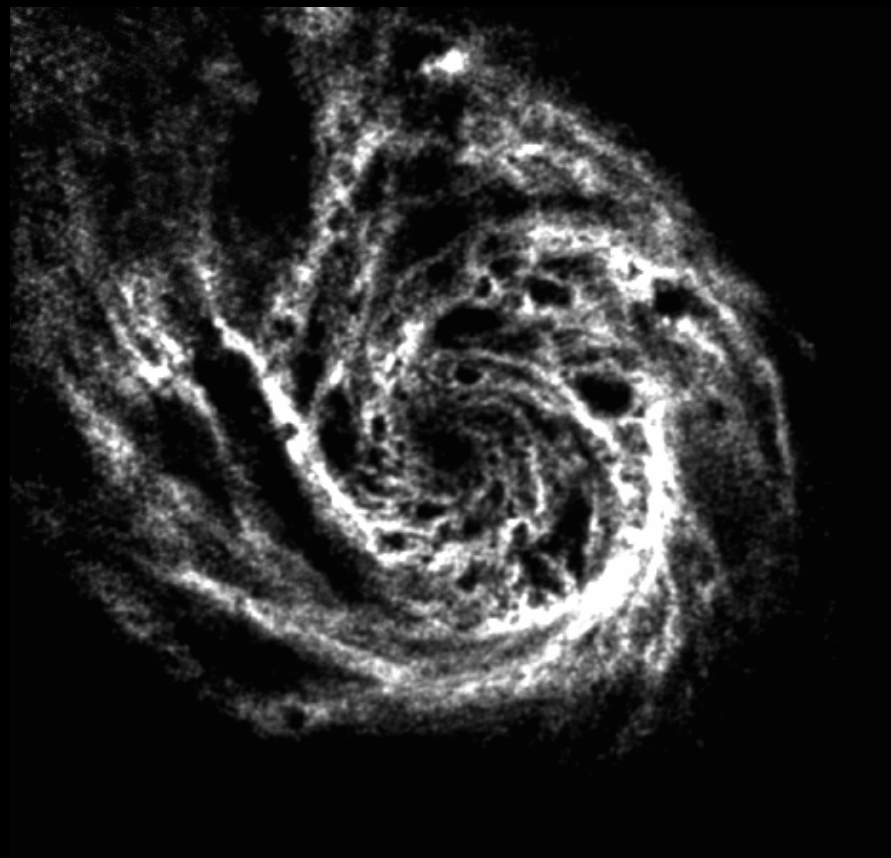
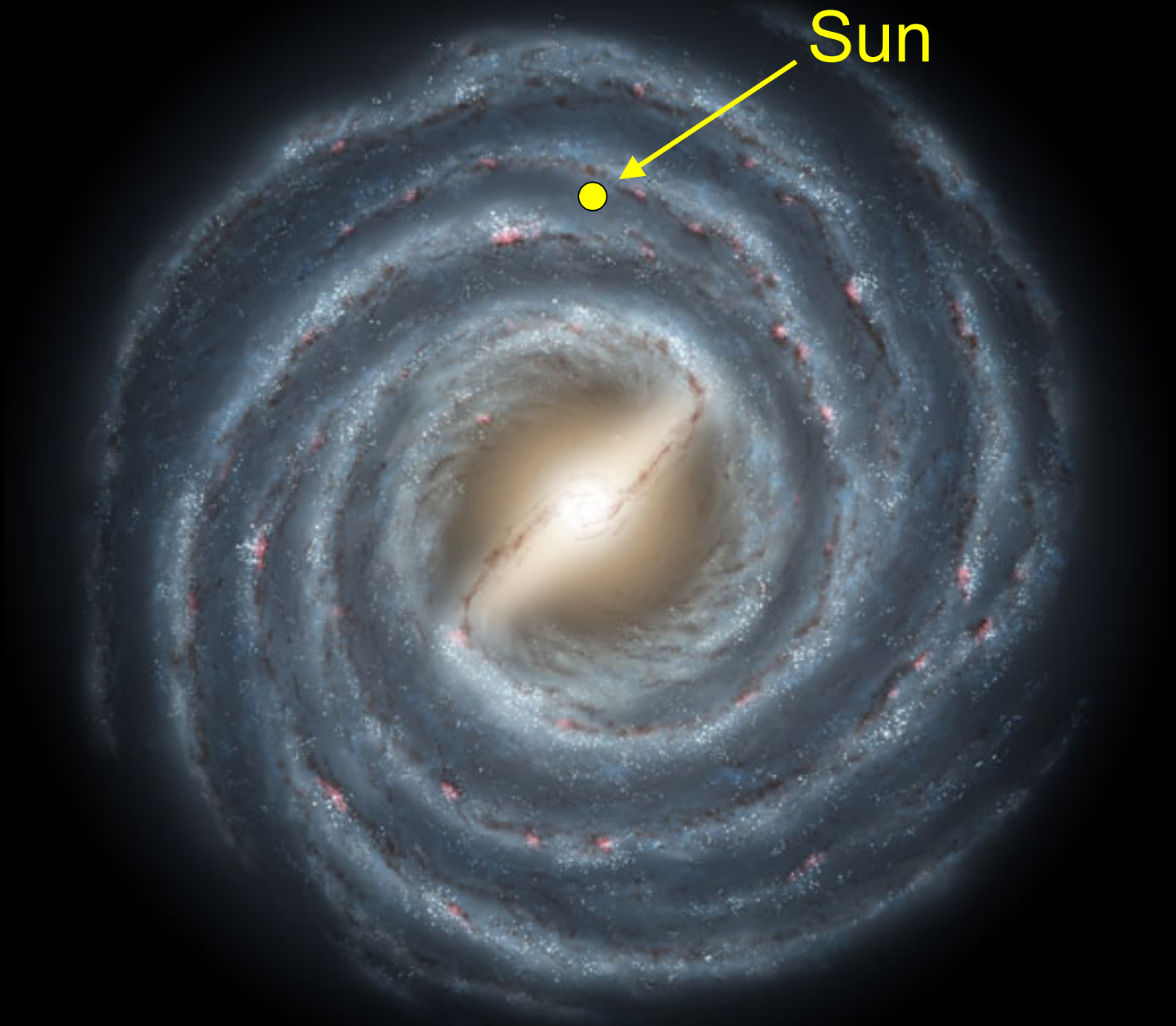


Fig 2.22 (Burton, Dame) 'Galaxies in the Universe' Sparke/Gallagher CUP 2007







Sun