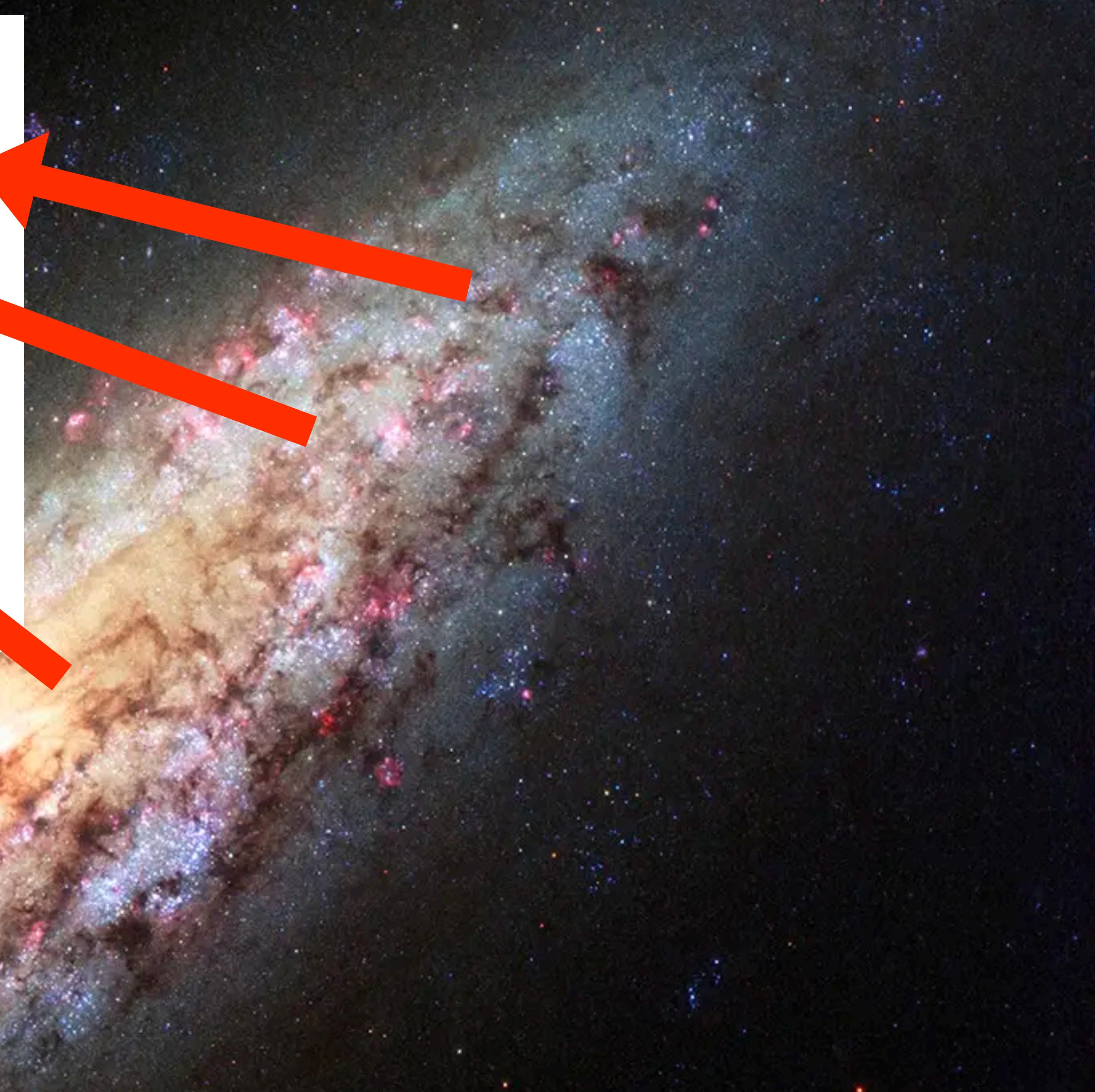
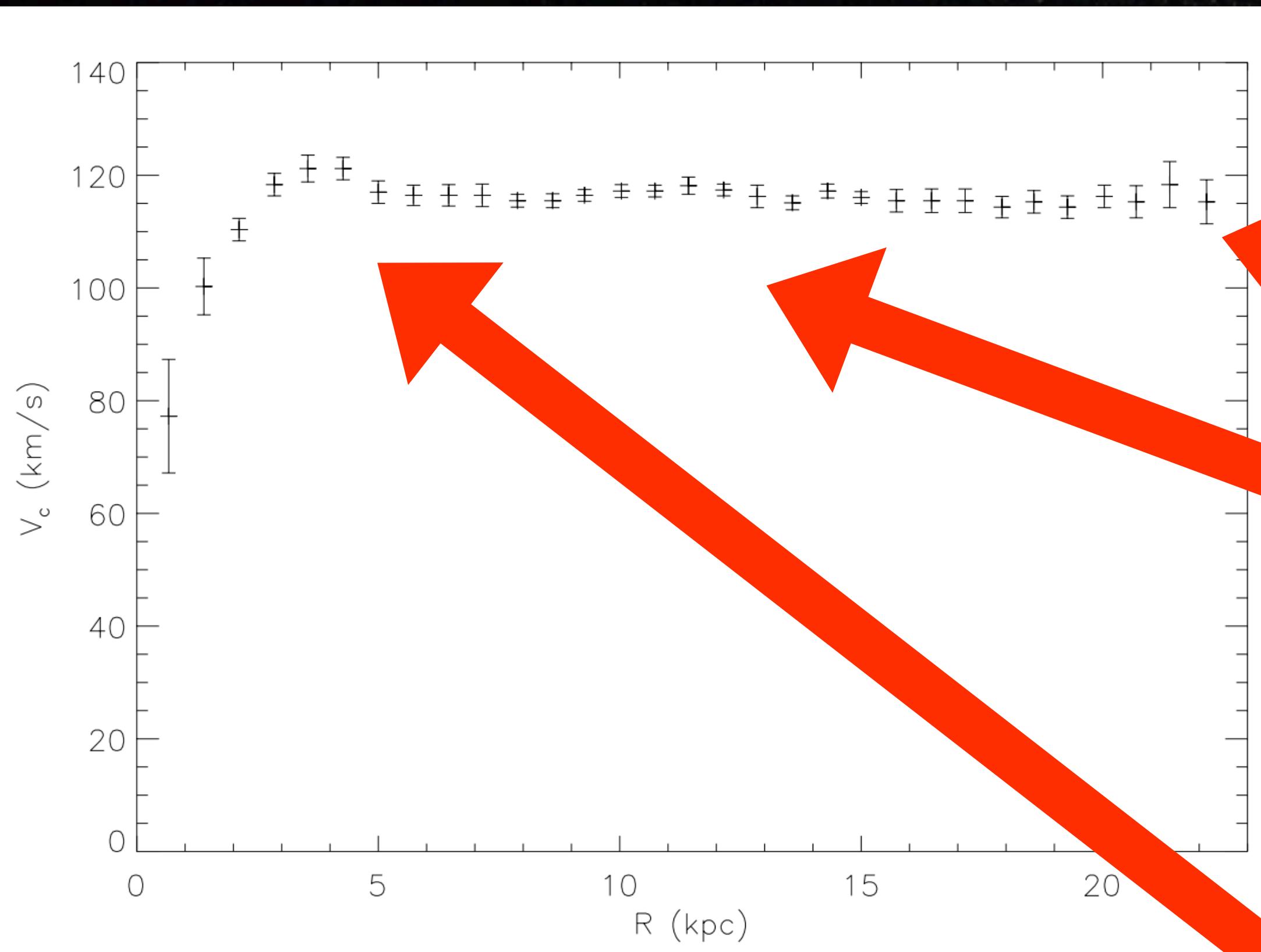


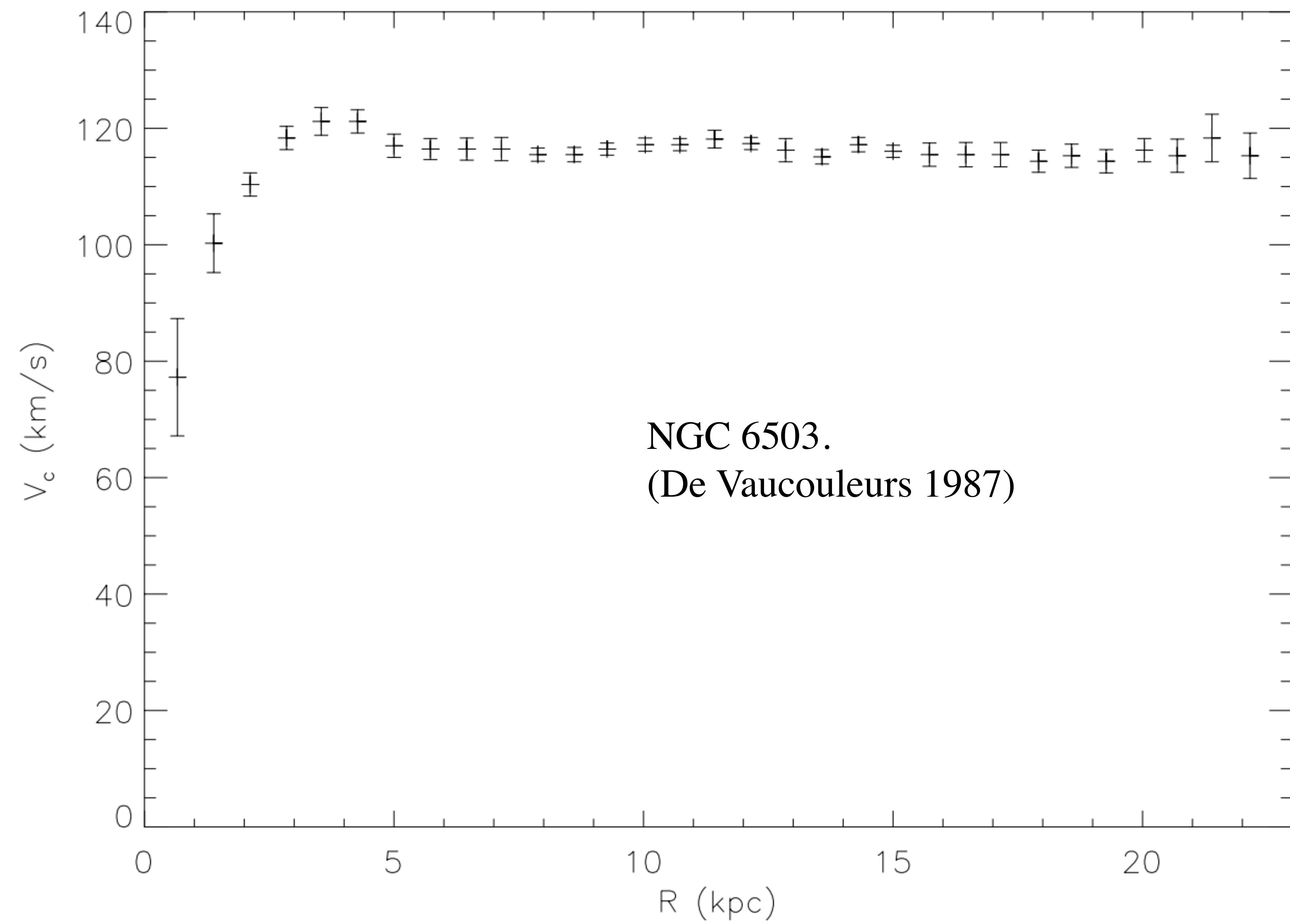


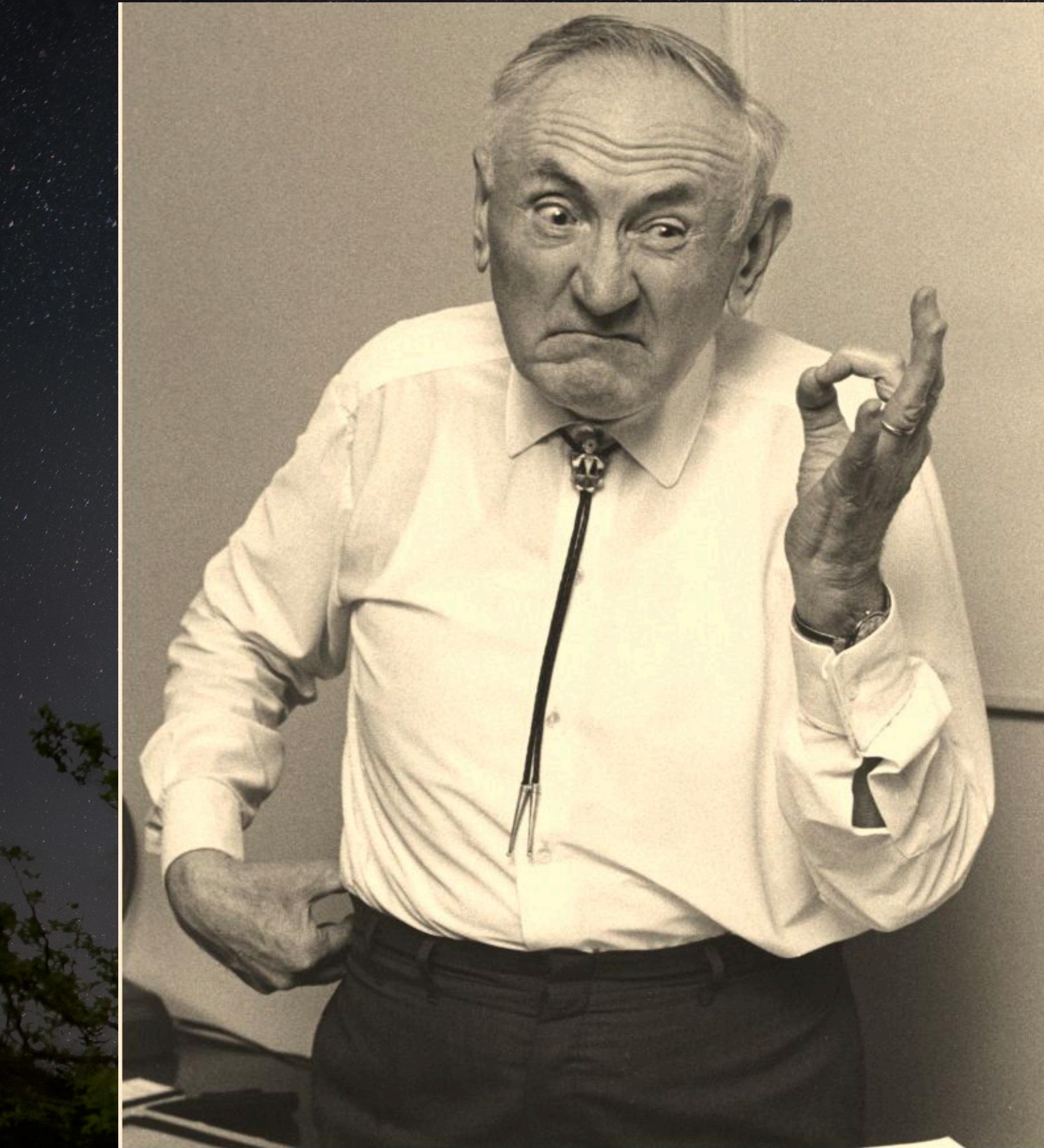
Dark matter

L. Vacher -









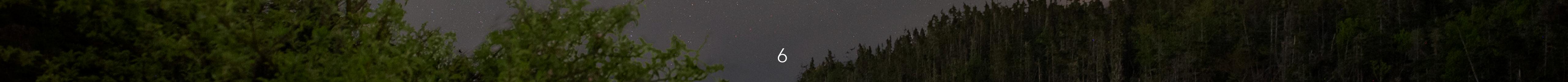
1933, amas de comas

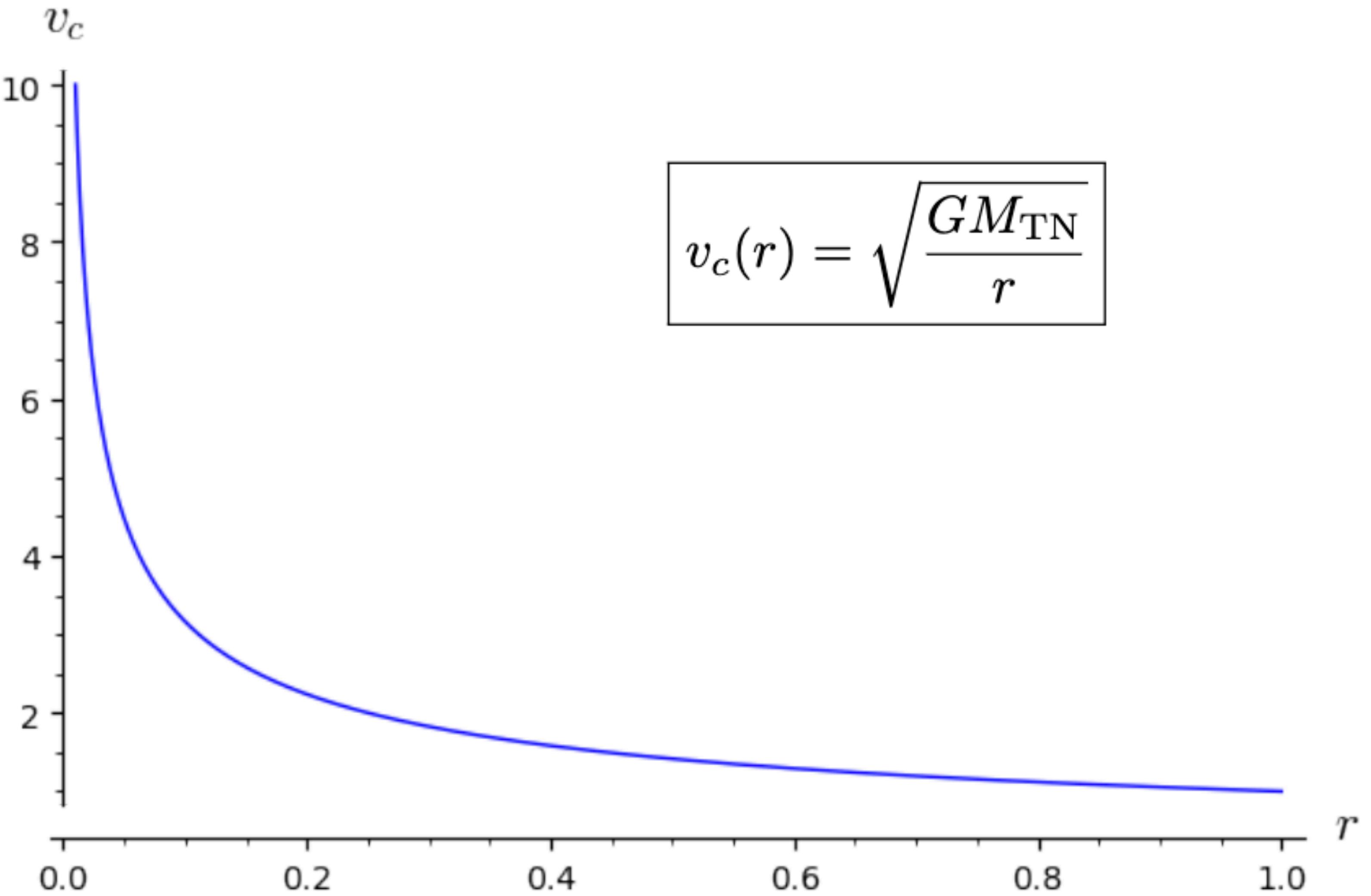
Astronomers are spherical bastards.
No matter how you look at them
they are just bastards.

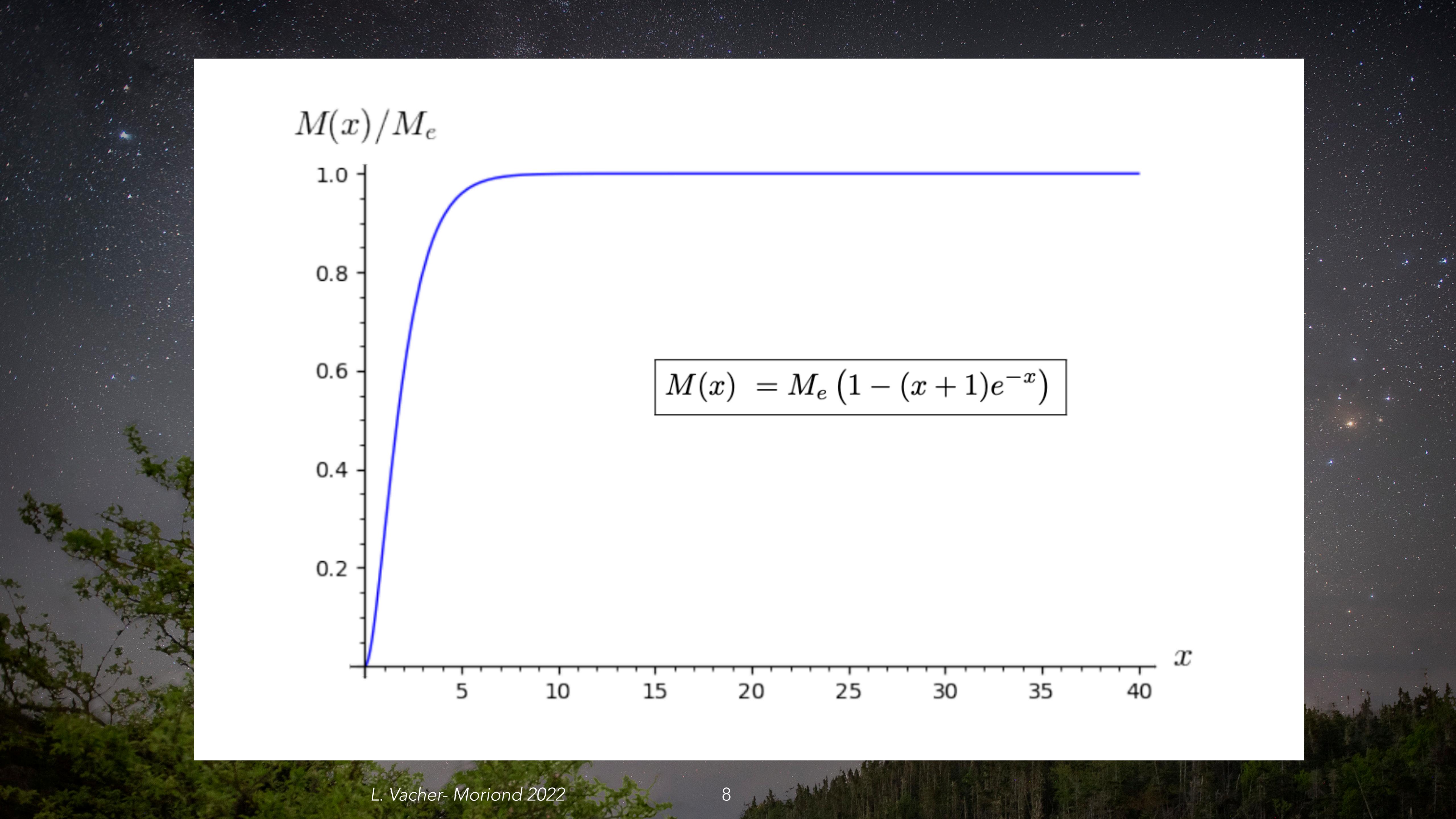
— Fritz Zwicky —



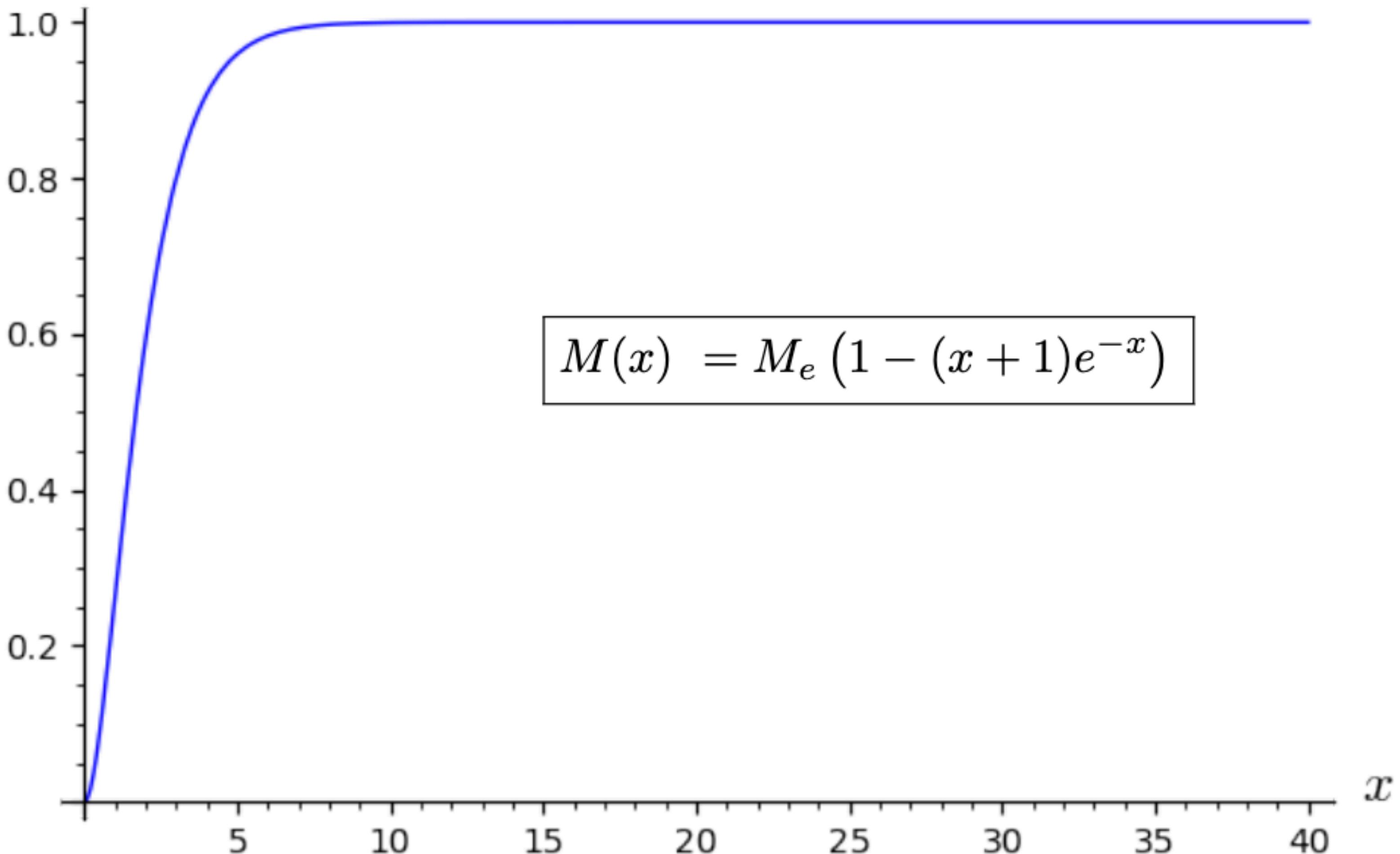
~ 1970, Vera Rubin







$M(x)/M_e$



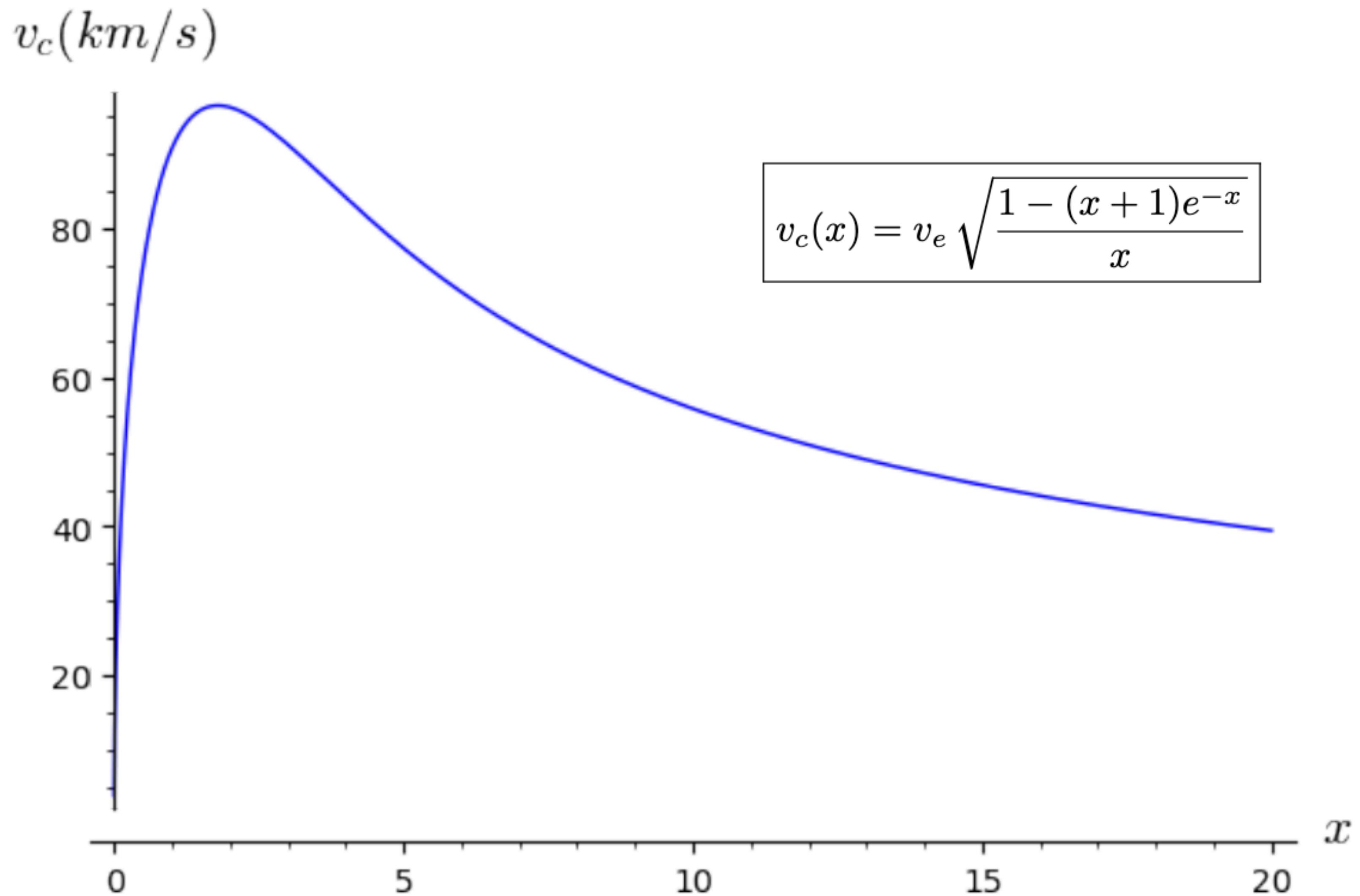
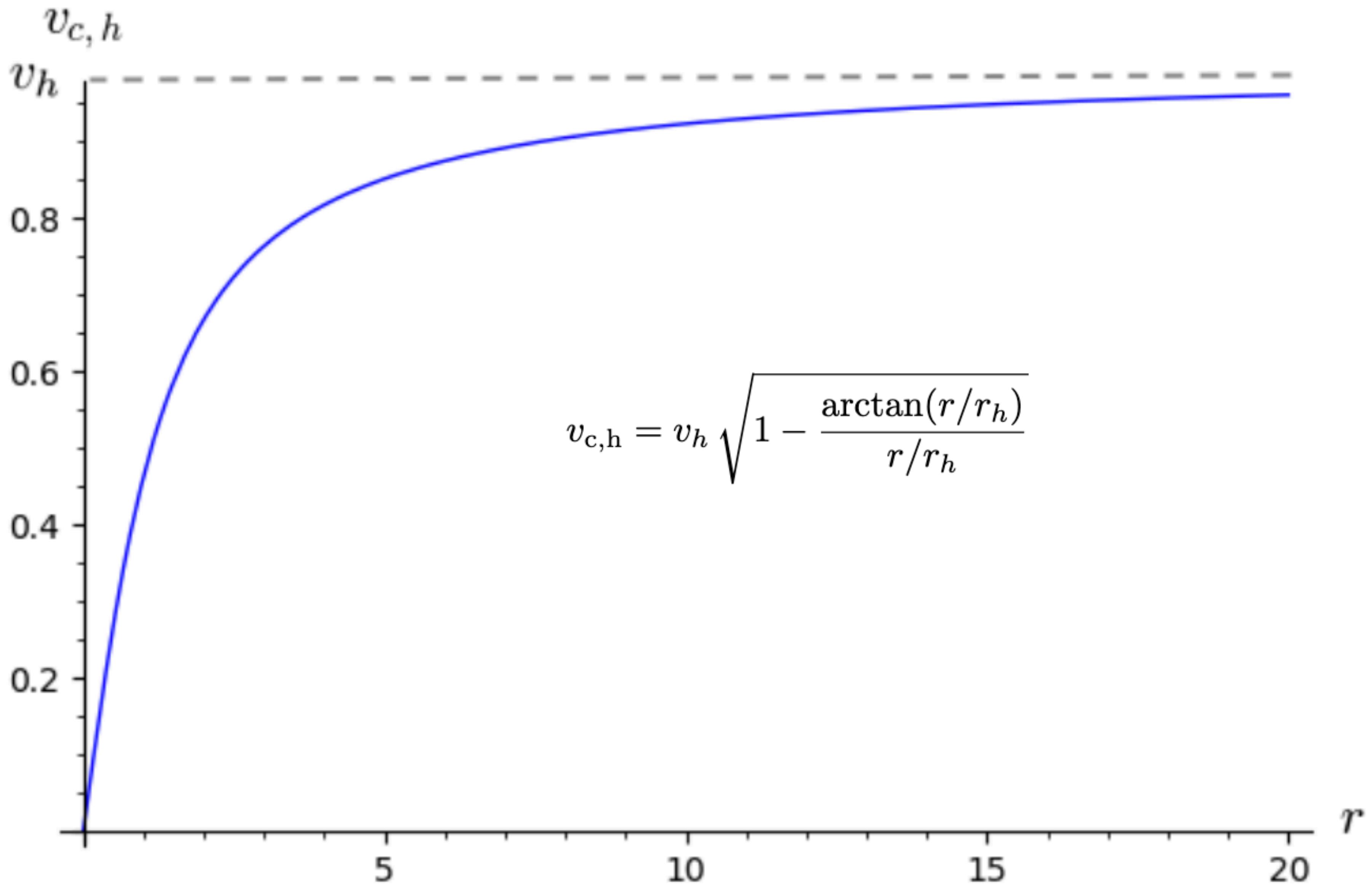


FIGURE 2 – Allure de la courbe de rotation v_c due aux étoiles



$\rho(x)$

ρ_h

0.8

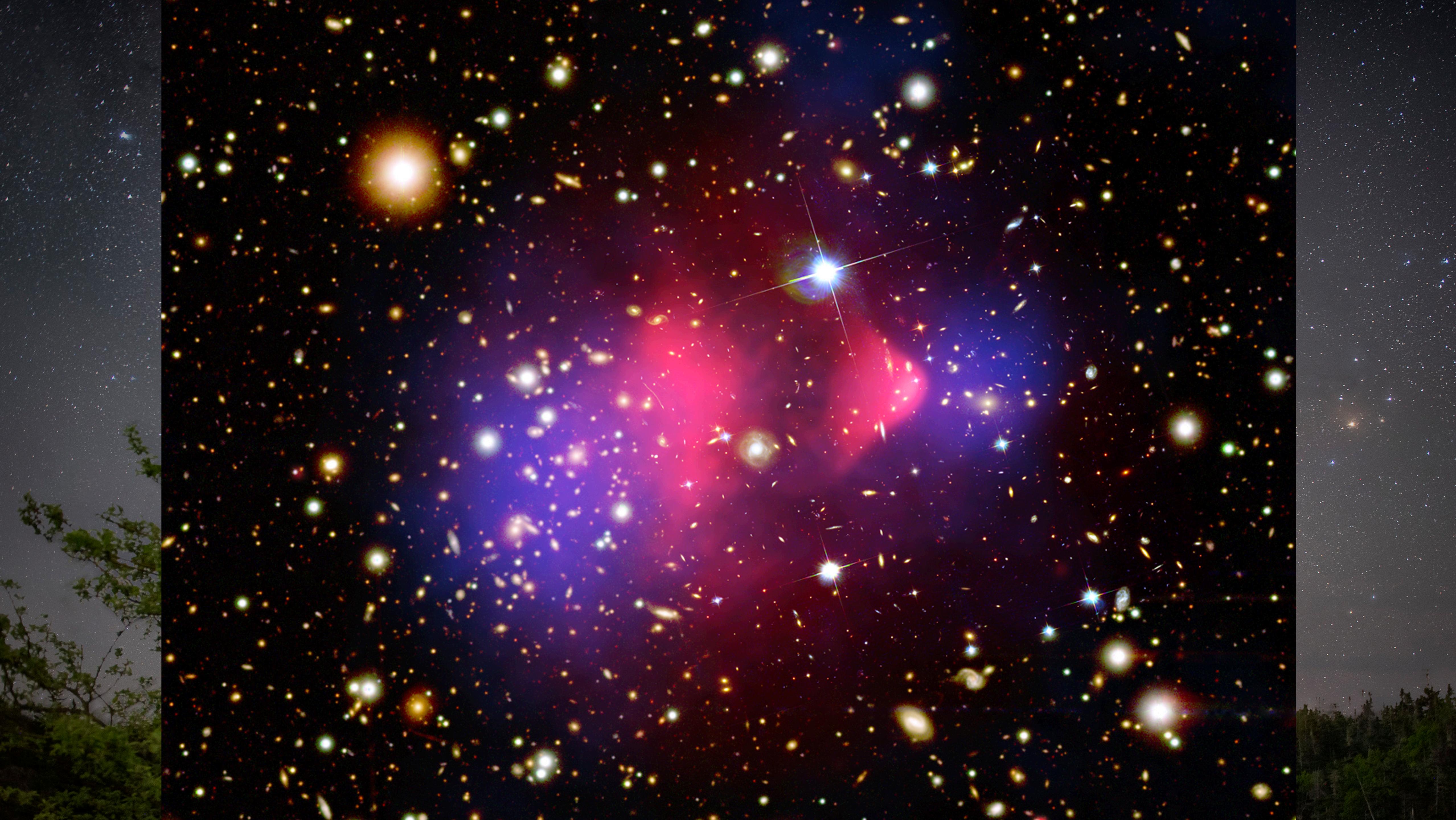
0.6

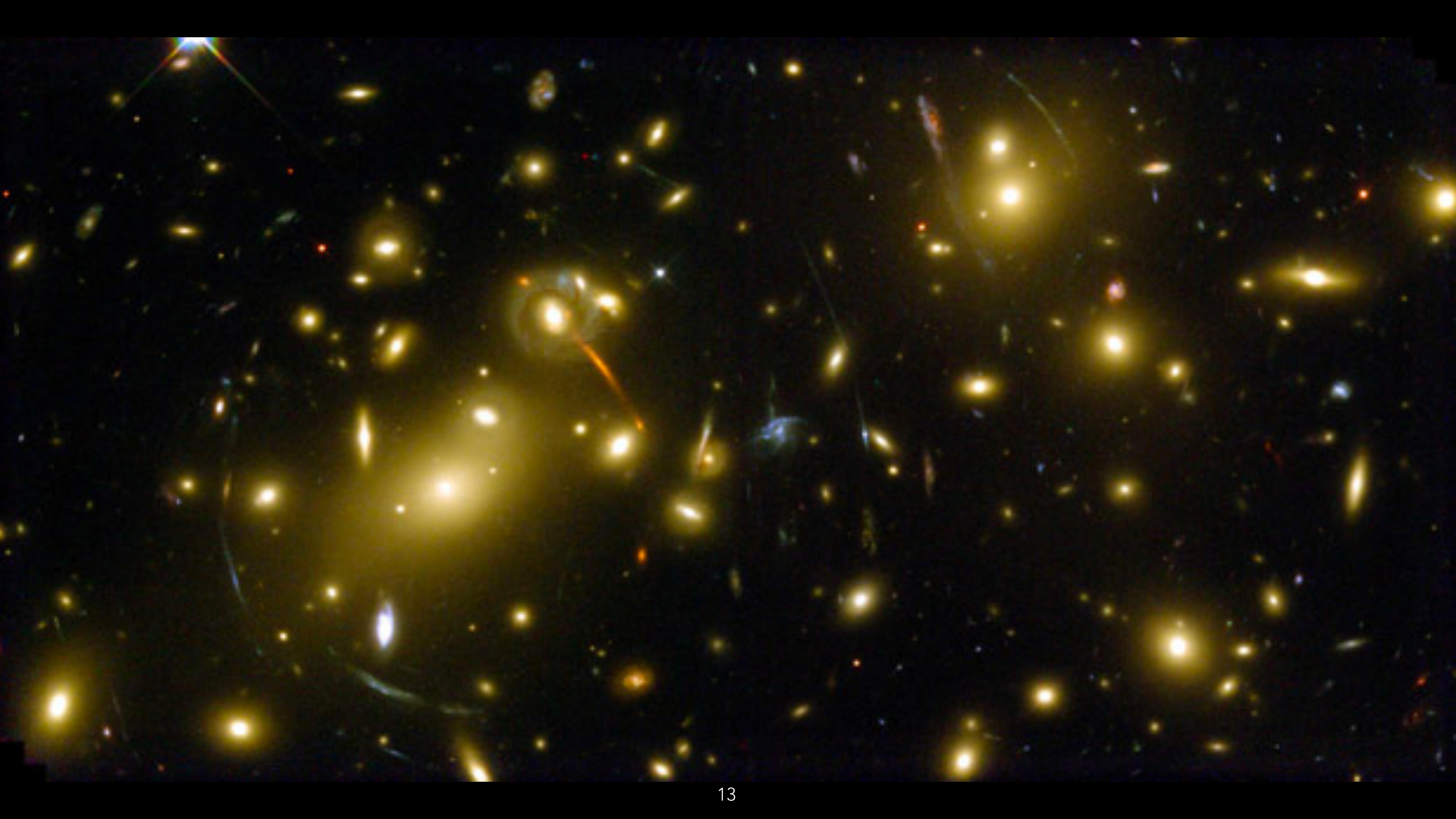
0.4

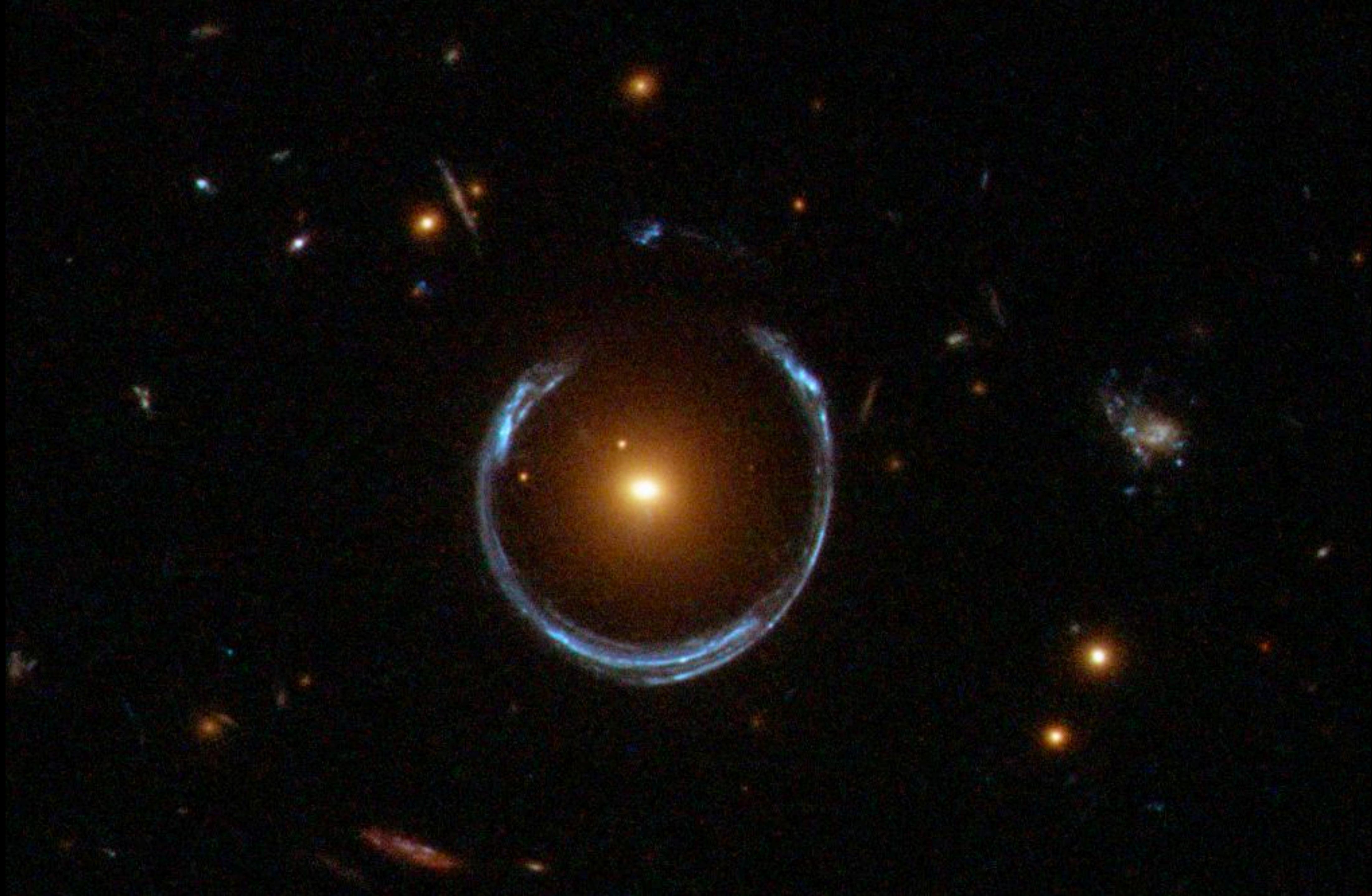
0.2

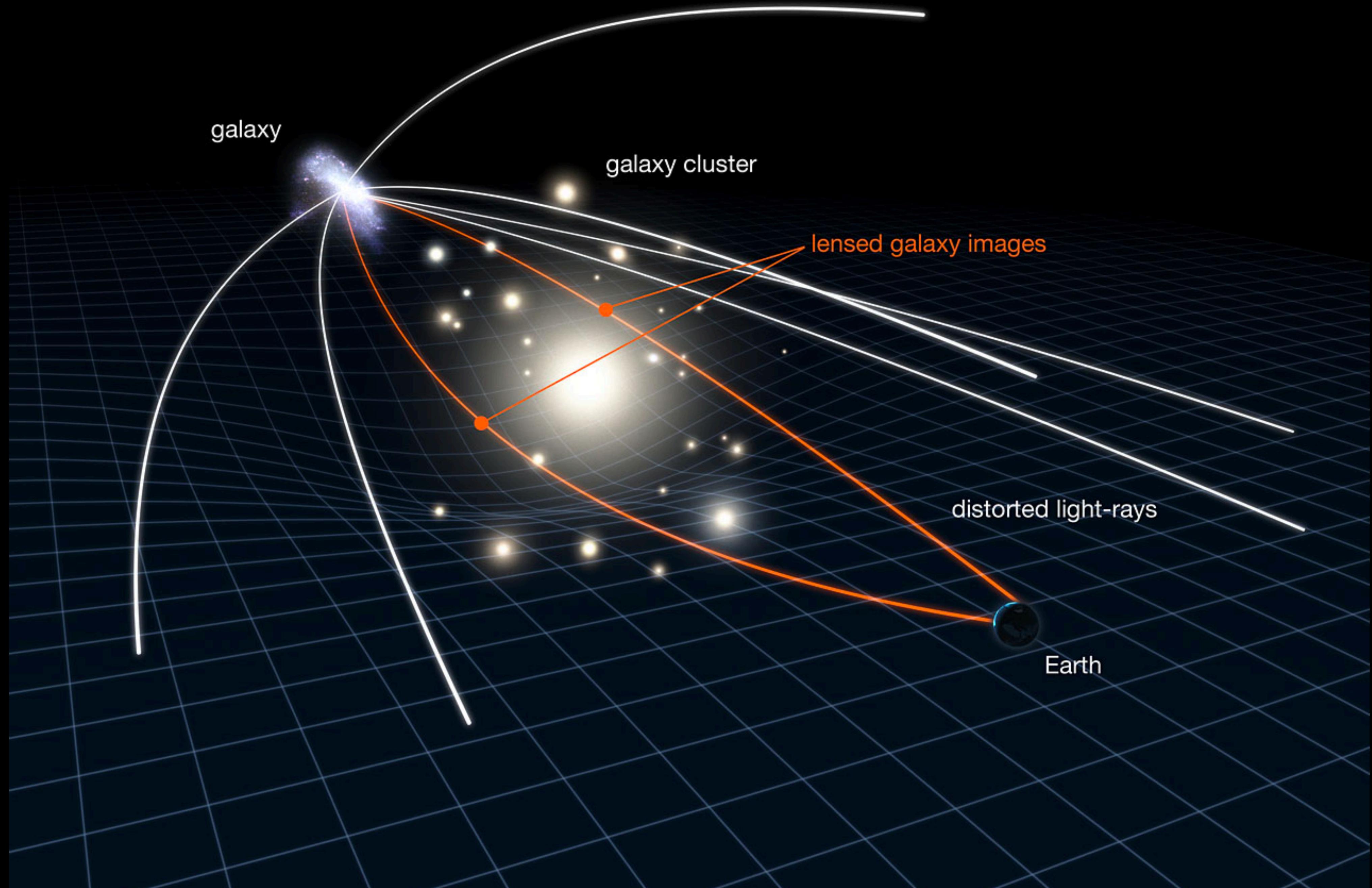
$$\rho(x) = \frac{\rho_h}{x^2 + 1}$$

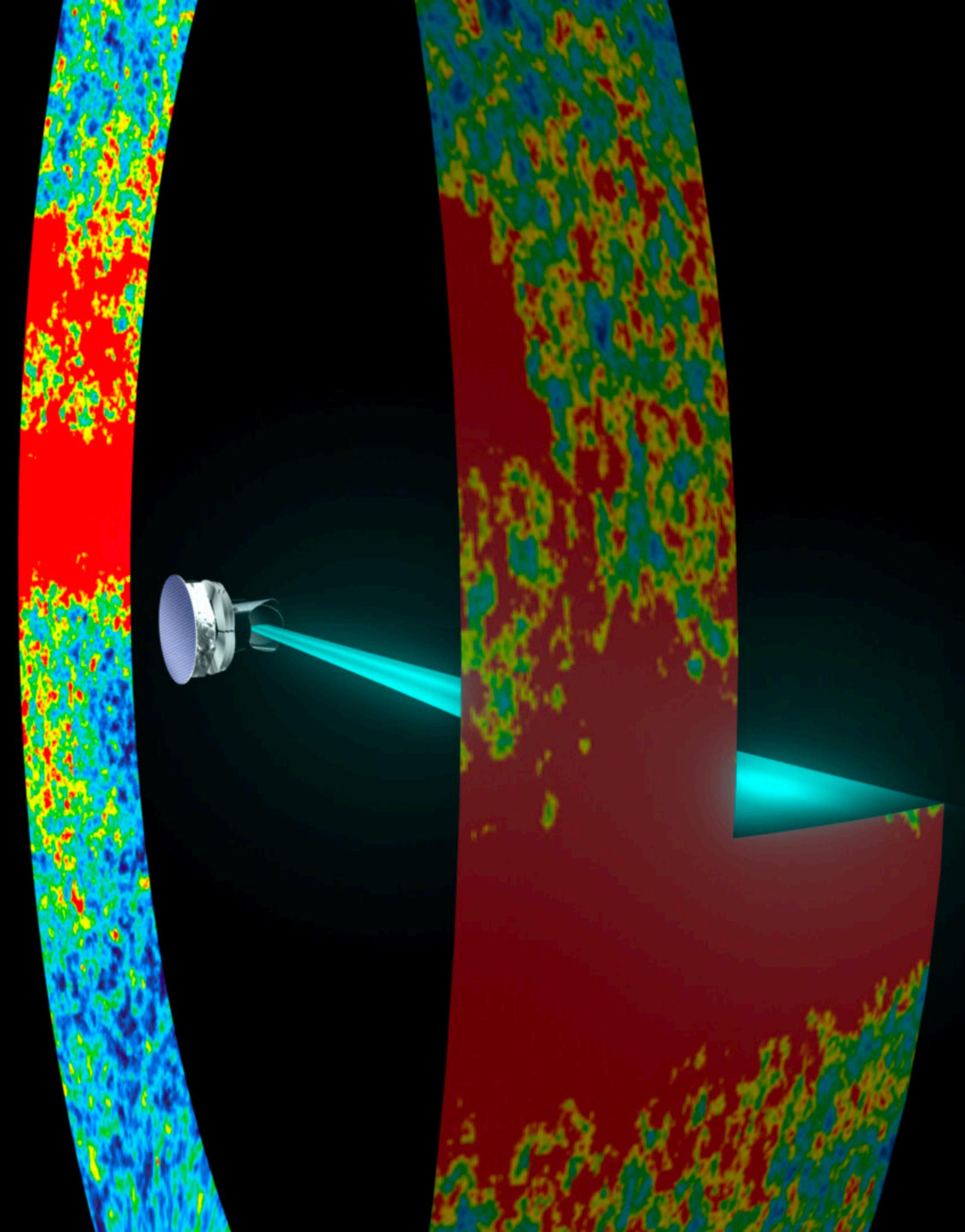
x

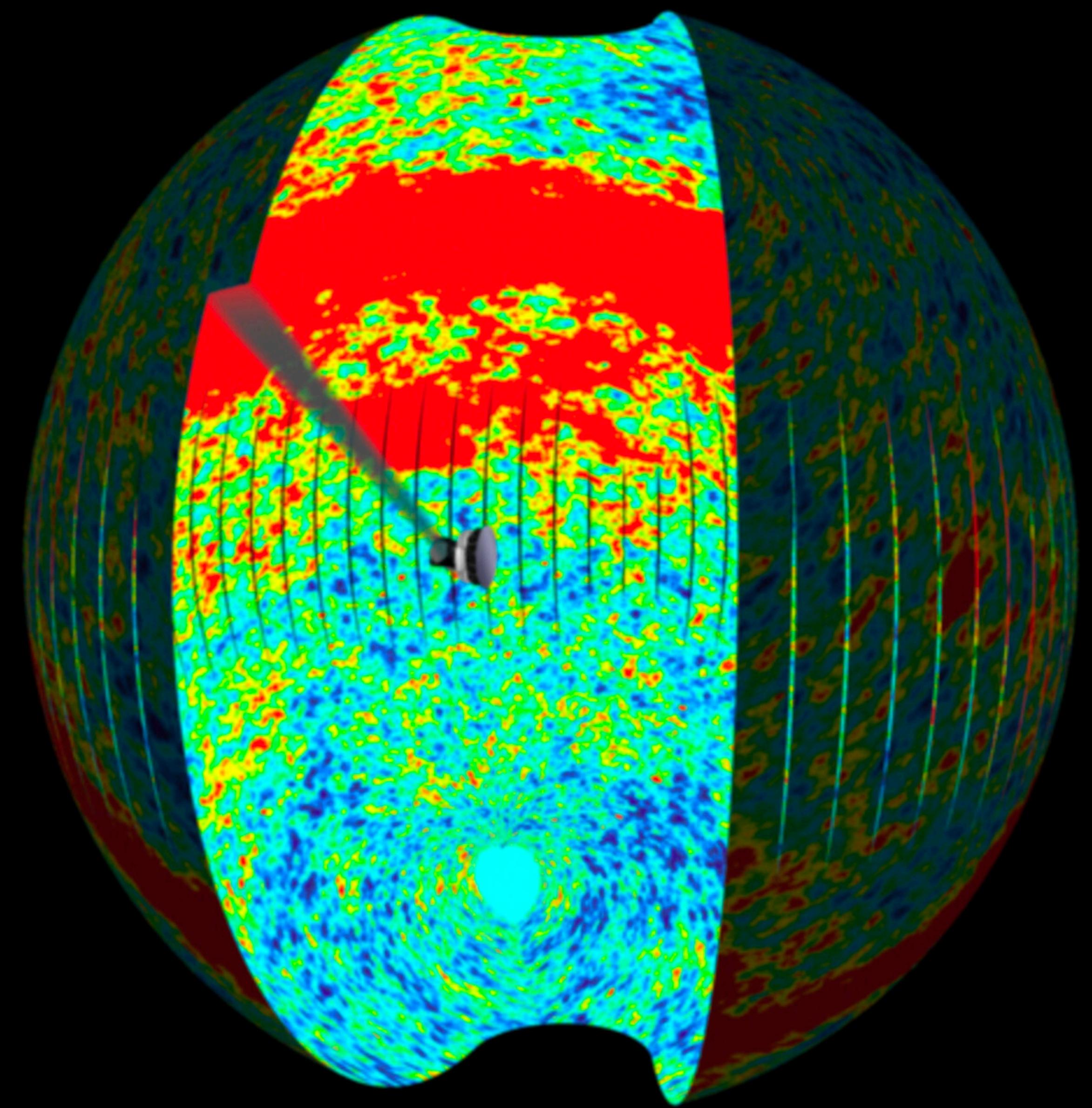


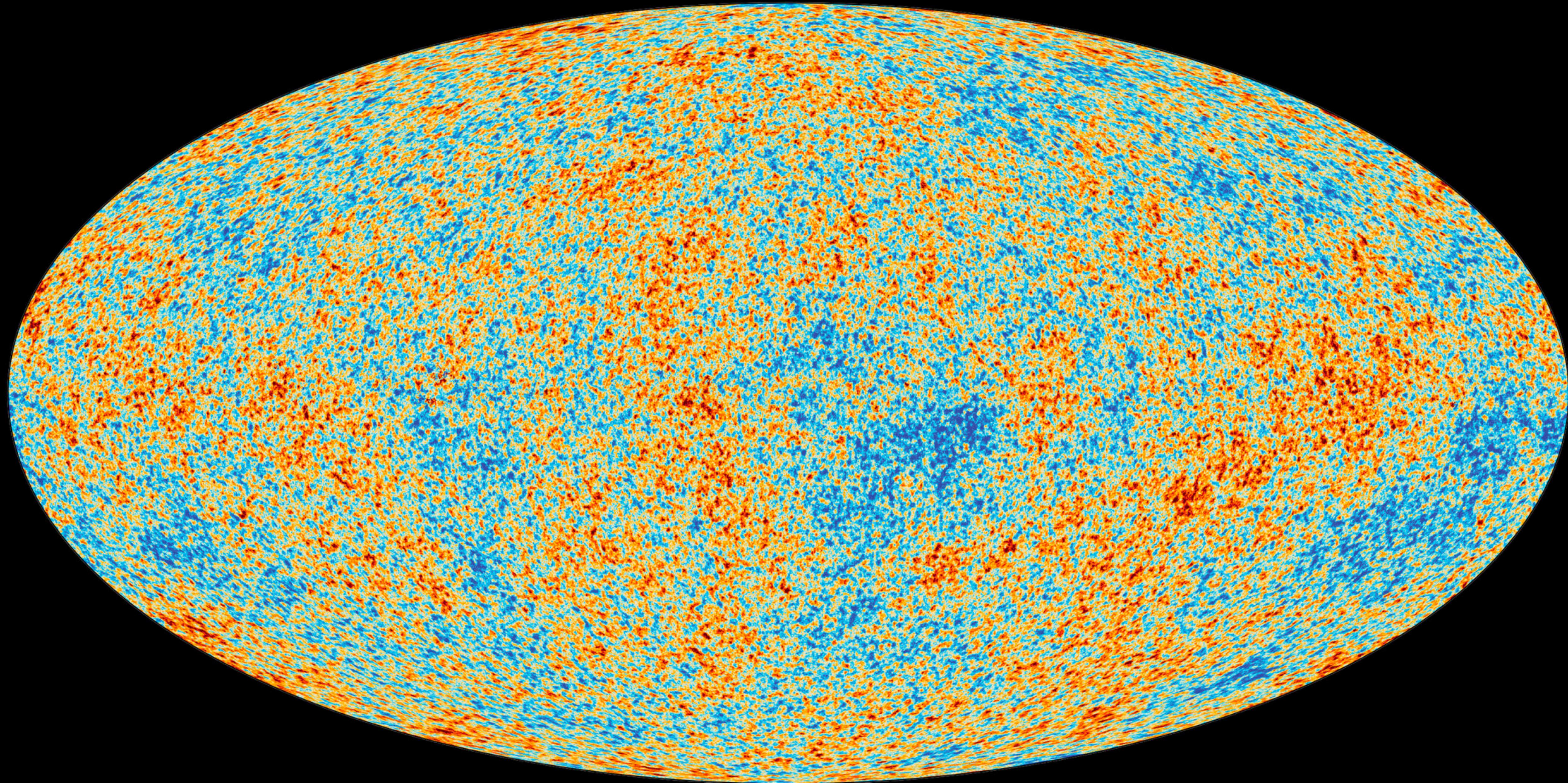


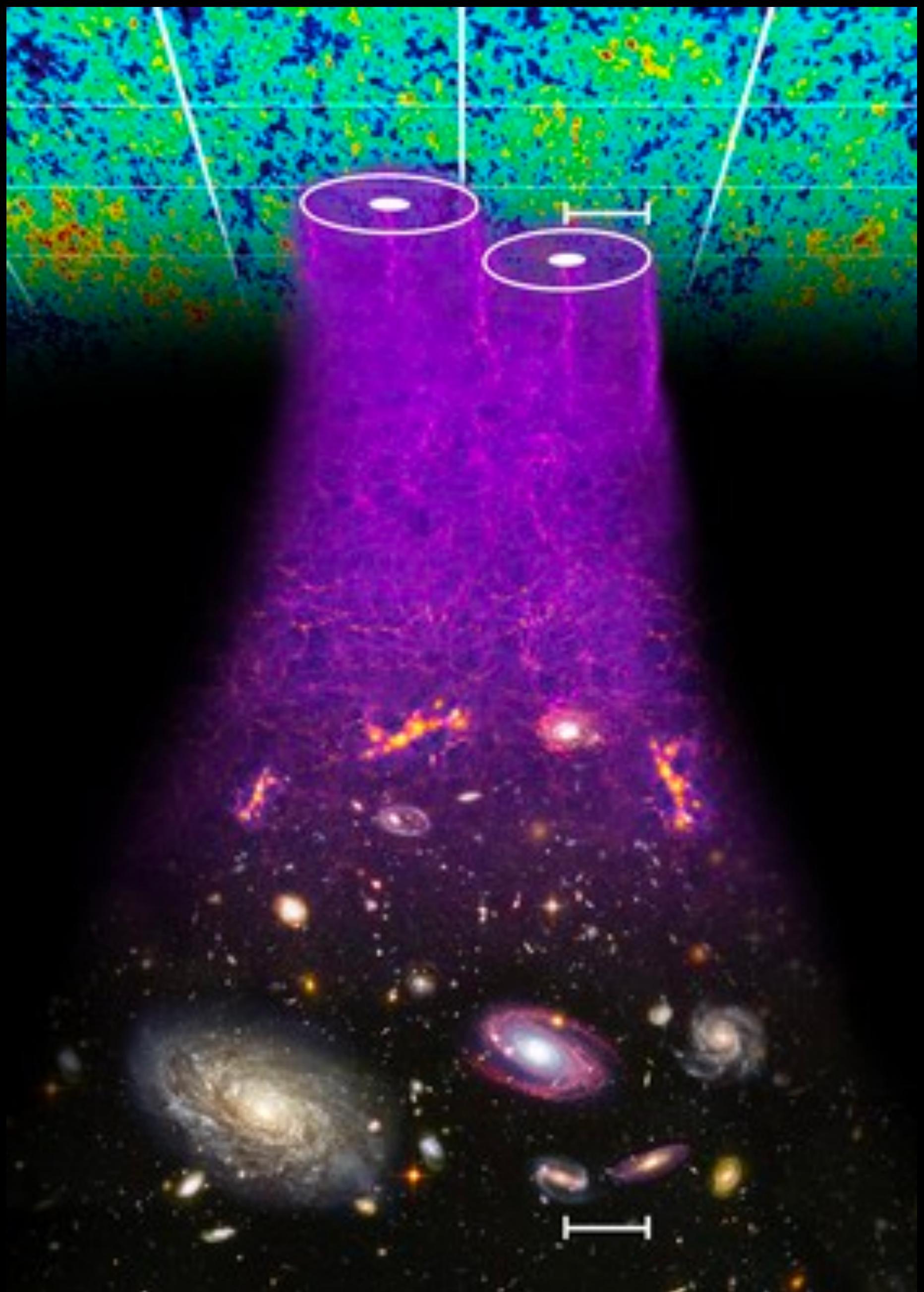












BAO:

