

1/3 Էլեմենտար Մասնիկների Ֆիզիկա

2/3 Կոսմոլոգիա

3/3 Նեուտրինային Ֆիզիկա

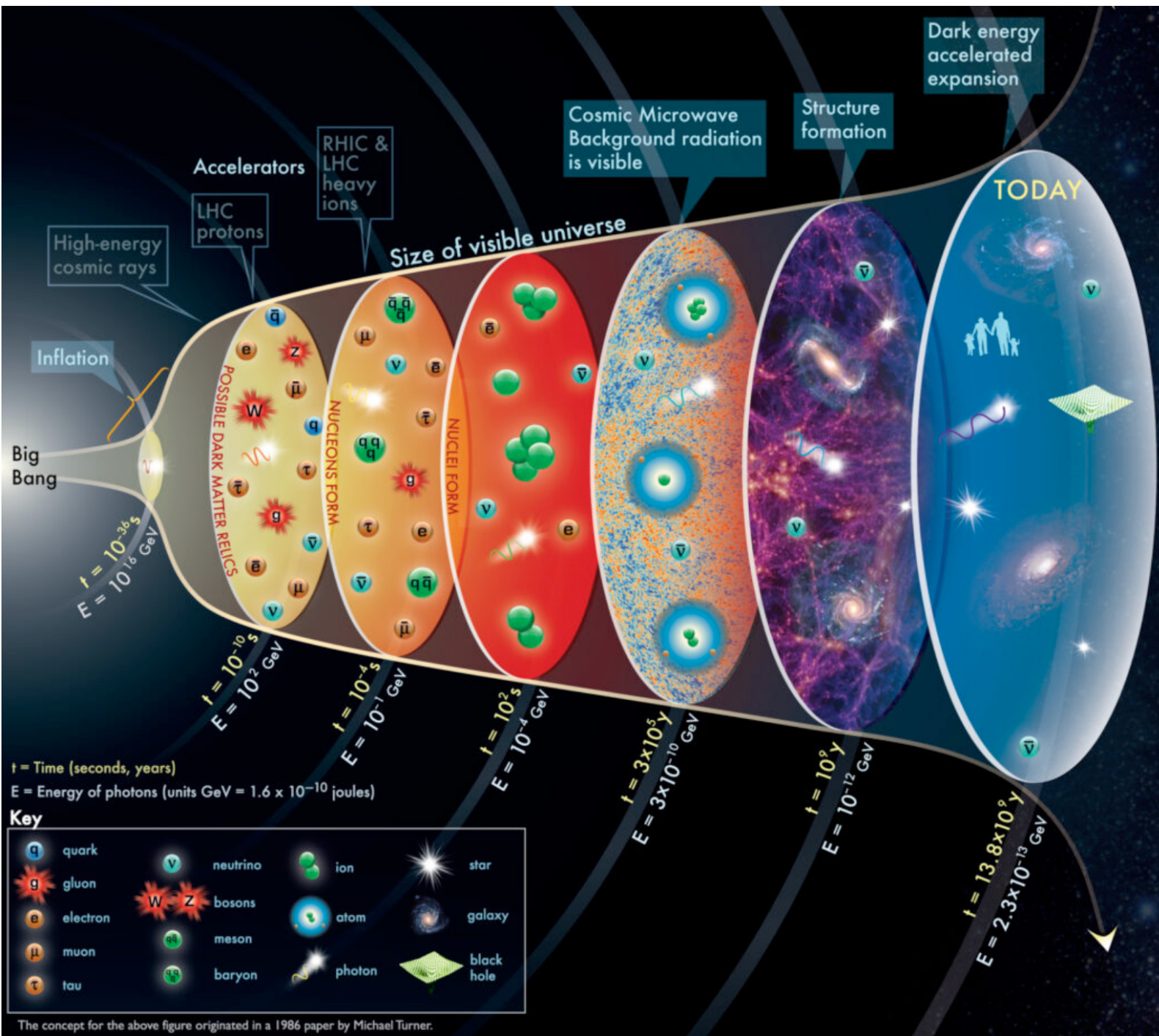
Իրաննիսյան Արա

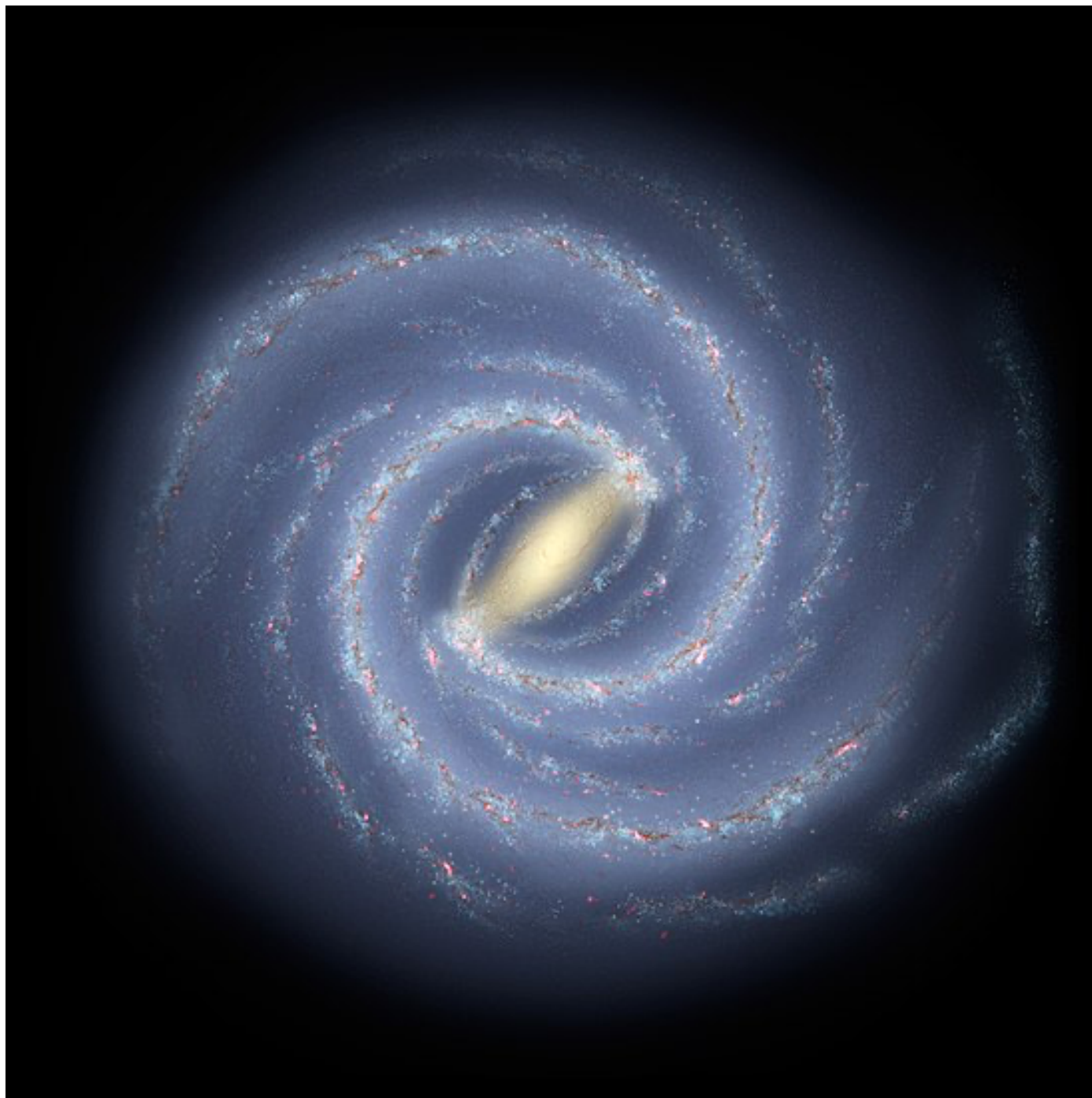
Armenian Teacher Programme CERN24

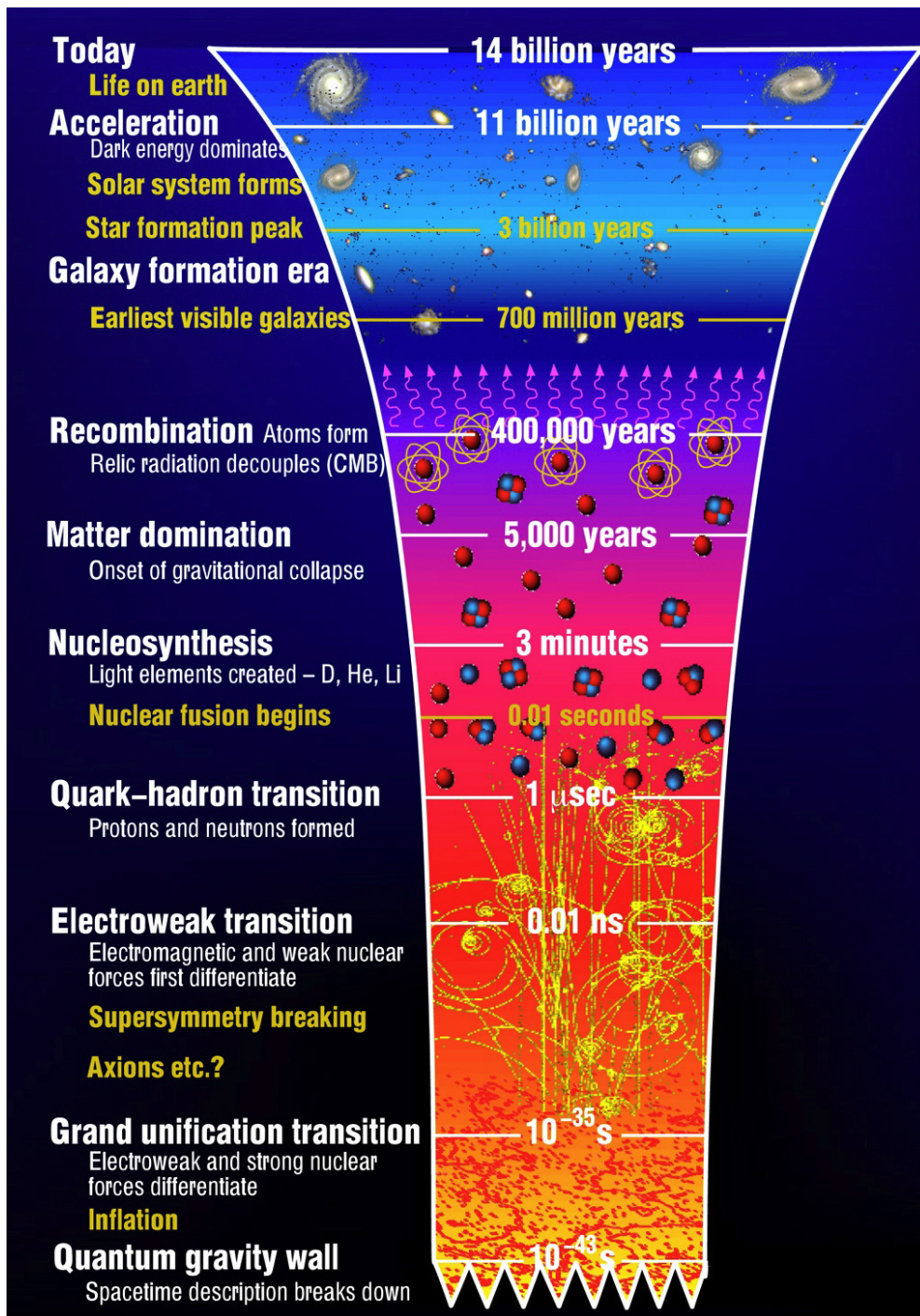
Հայաստանի Ֆիզիկայի Ուսուցիչներ

CERN24

2/3 Կոսմոլոգիա







Էինշտեյն

$$R_{\mu\nu} - 1/2 R g_{\mu\nu} + \Lambda g_{\mu\nu} = 8\pi G/c^4 T_{\mu\nu}$$

Ֆրիդման

$$\rho_c = 3 H^2 / 8\pi G = 8.5 \cdot 10^{-27} \text{ kg/m}^3$$

$$\rho = \rho_c$$

$$\rho = \rho_m + \rho_{dm} + \rho_{de}$$

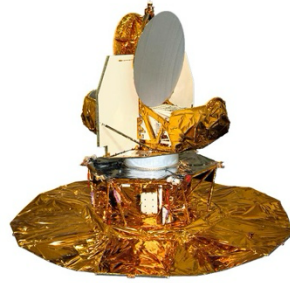
$$4.9\% + 27\% + 68.1\%$$

$t^{1/2}$ Radiation dominant

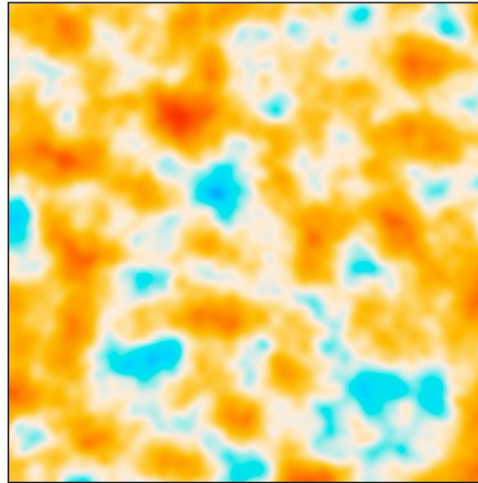
$t^{2/3}$ matter dominant

Exp(t). cosmology constant dominant

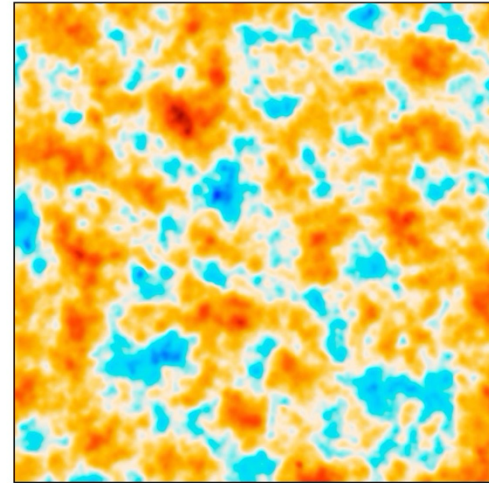




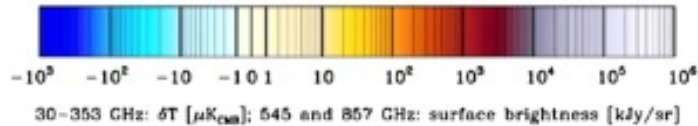
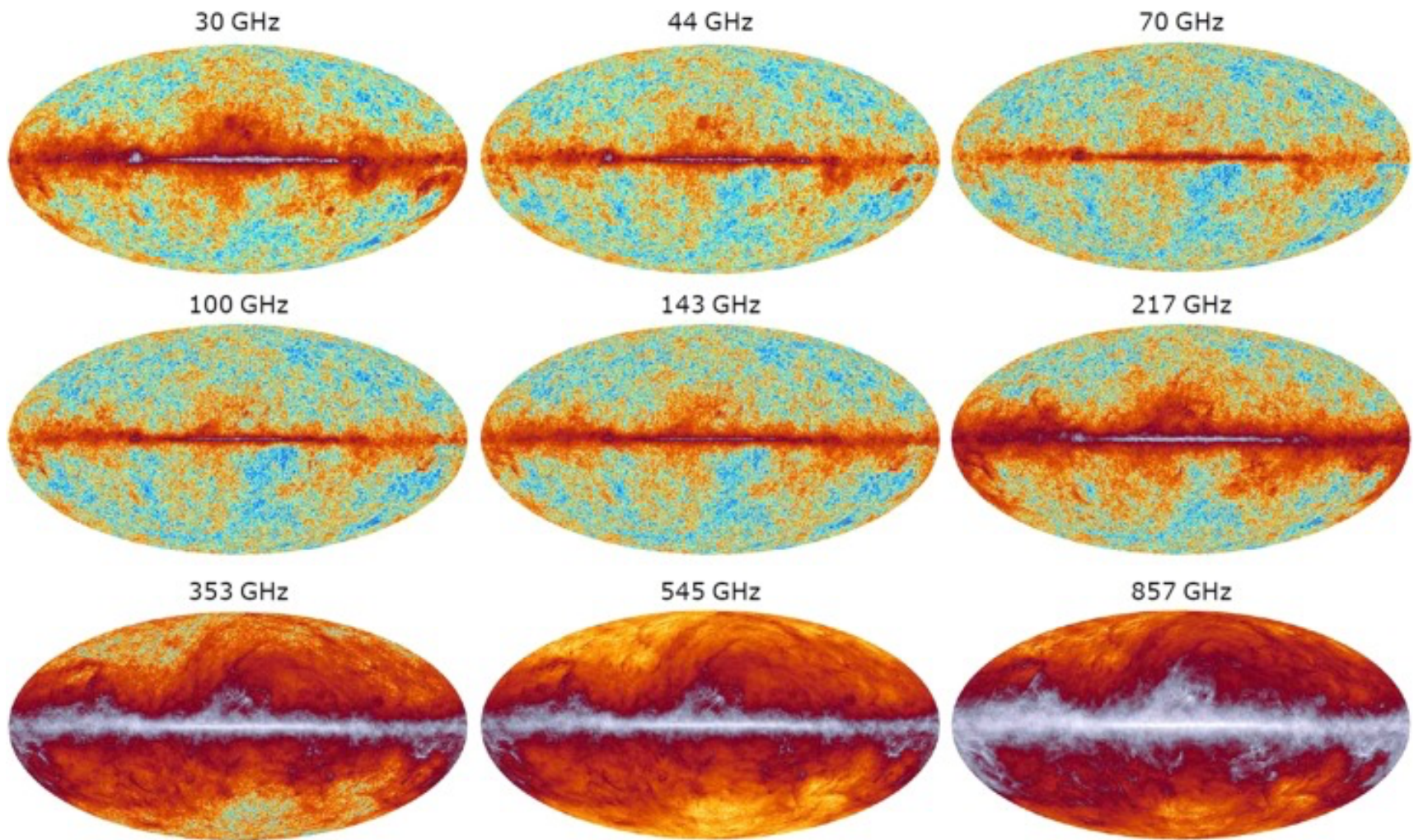
COBE

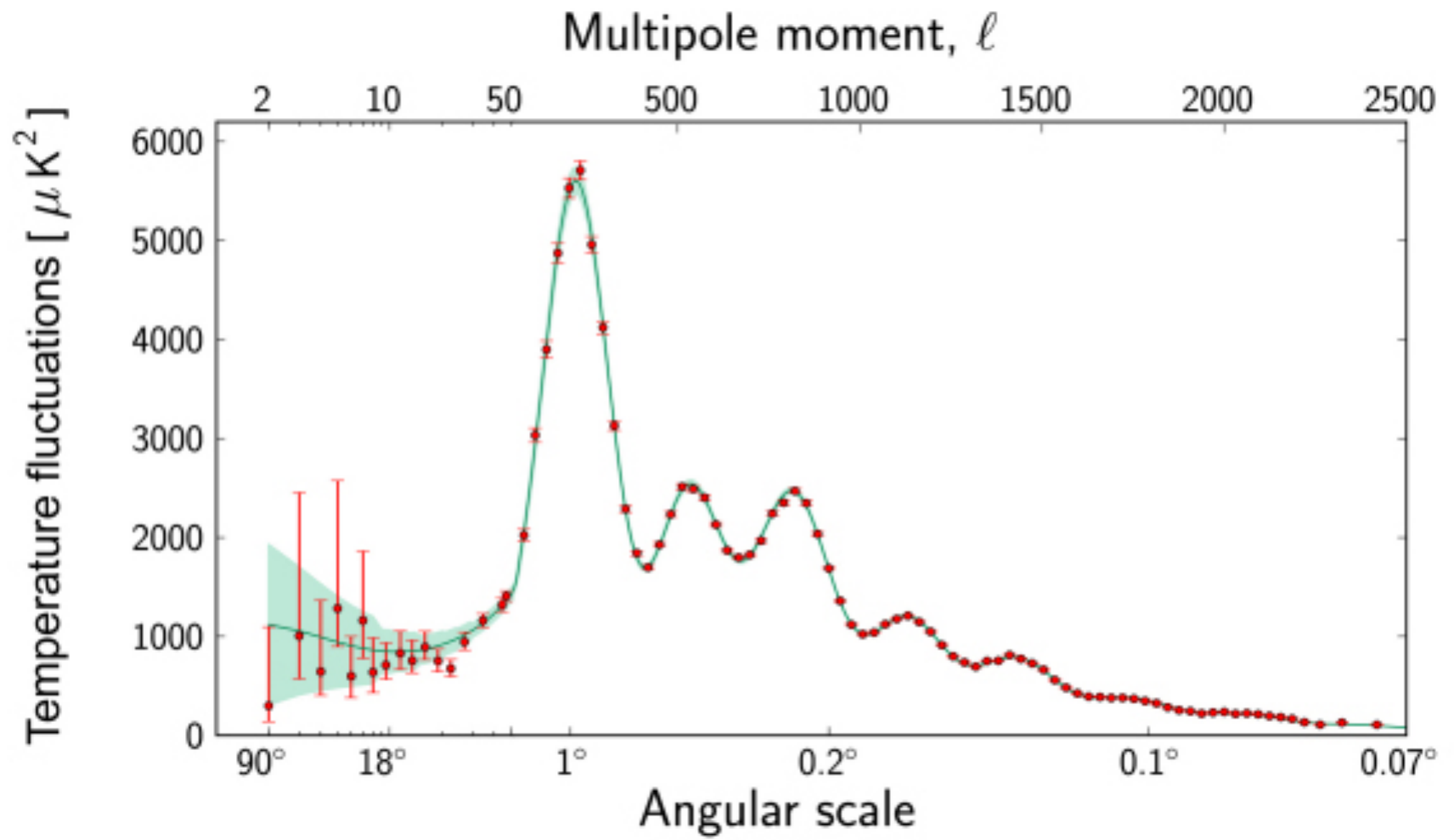


WMAP

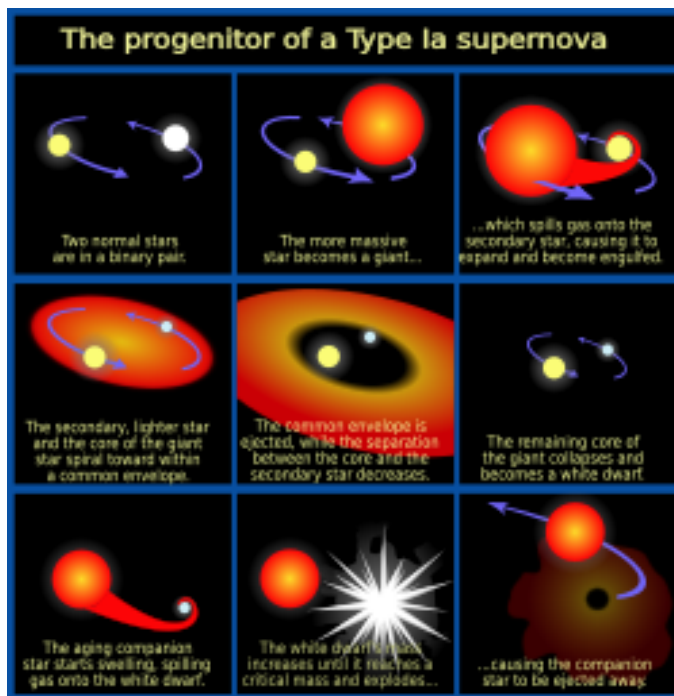


Planck





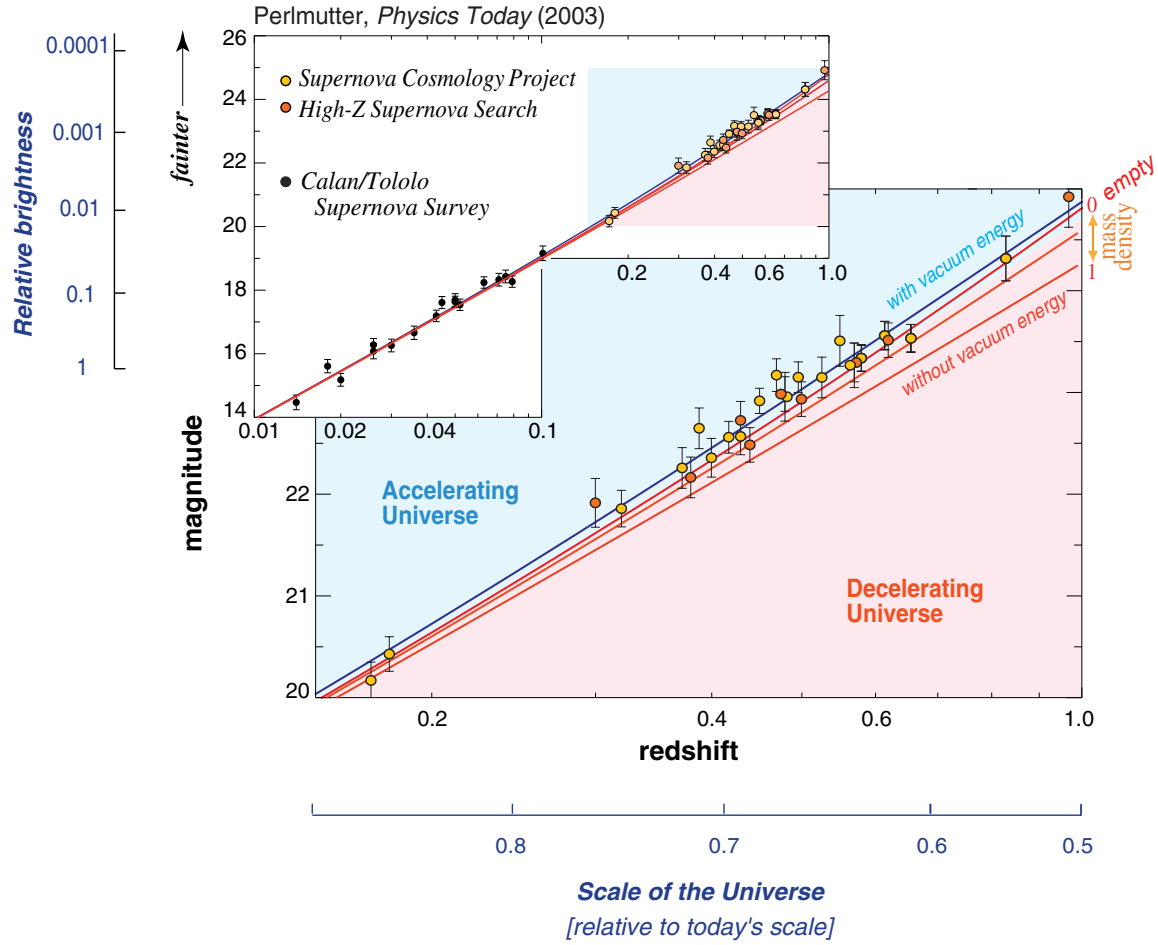
Planck



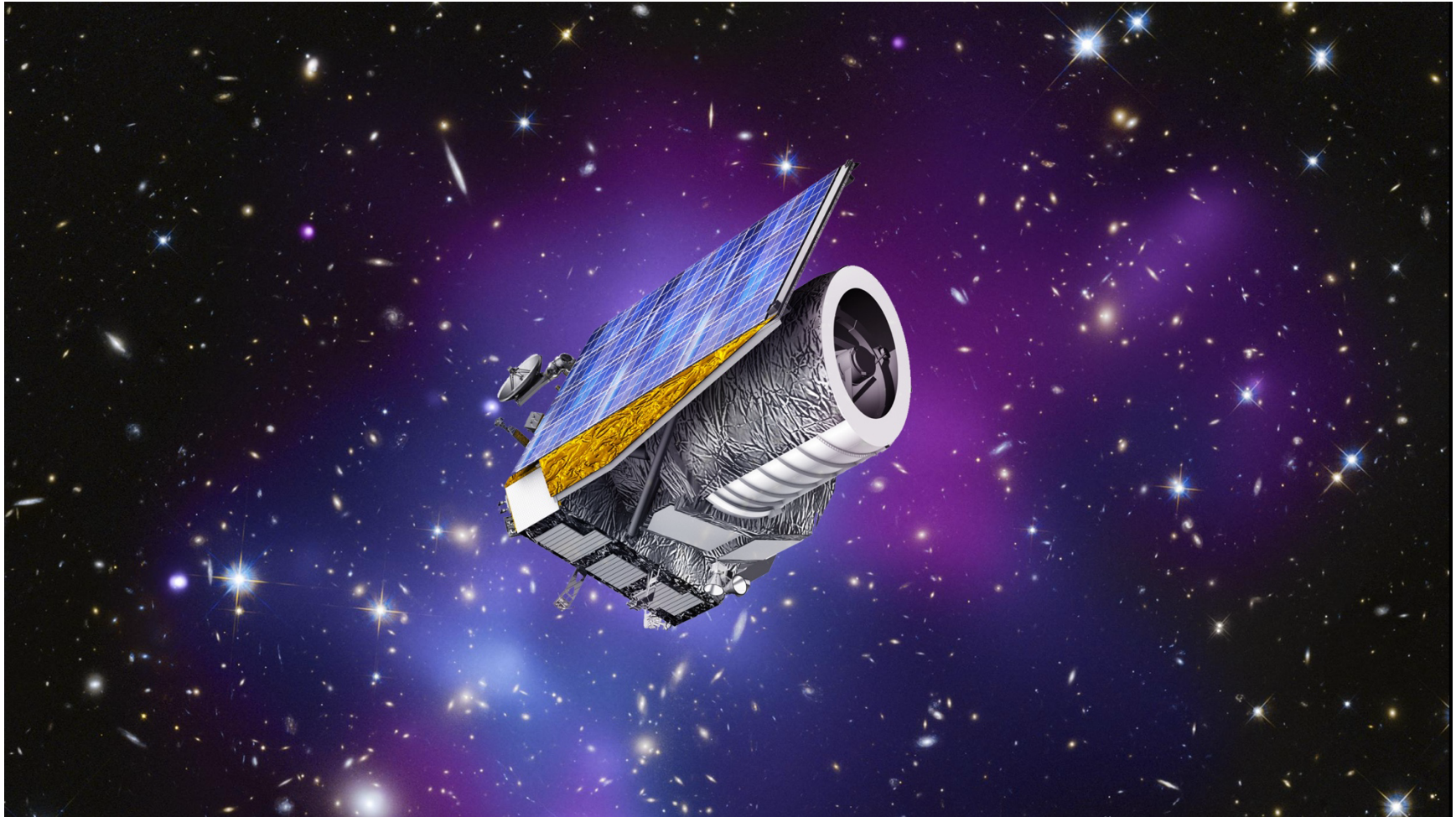
Supernova 1a

Չանդրասեկար.

Type Ia Supernovae

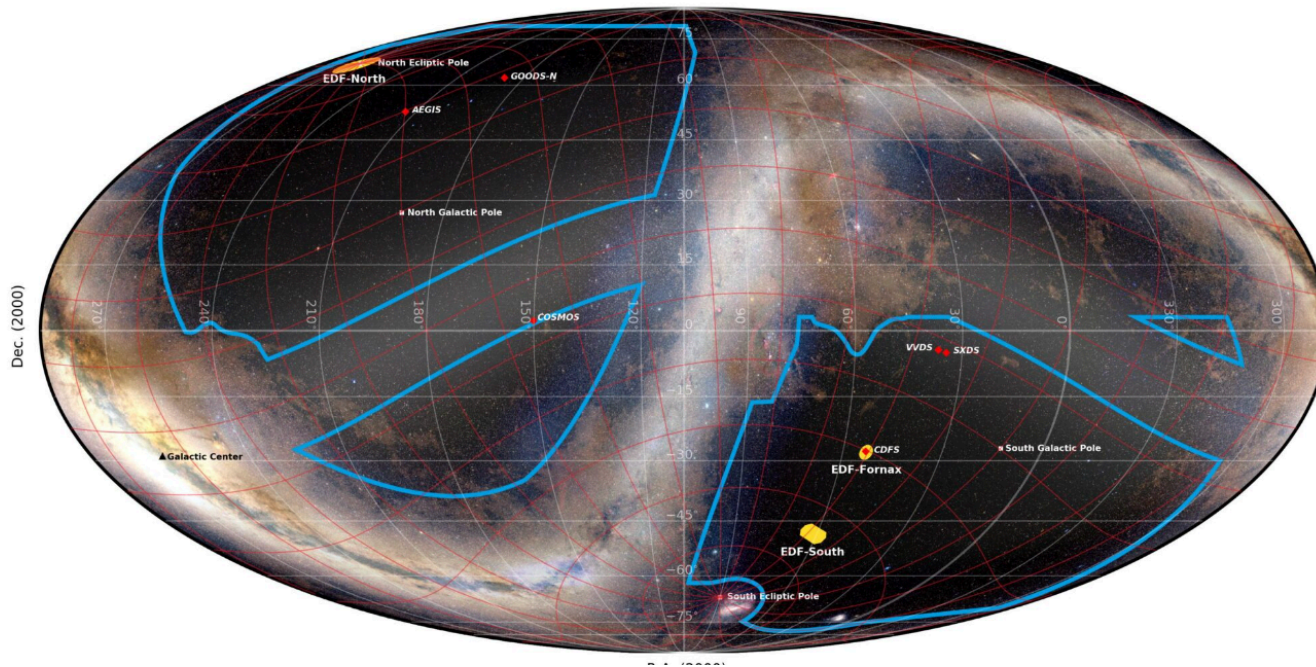


Euclid since 2023



The Euclid Deep Survey

For the Wide Survey, Euclid will observe each patch on the sky only once, with a footprint of 0.57 square degrees, about 3x the surface of the full moon, about every hour. For a much smaller area of 53 square degrees, however, Euclid will observe much longer, 40-53x longer than in the Wide Survey. This deep survey will allow to calibrate many aspects of the mission, and will later be used for a lot of legacy science projects.



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Շնորհակալություն

Հարցե՛ր