$v_\odot$ around center of Galaxy	$\Theta_\circ$	$220(20)$ km s^{-1}	[11]
solar distance from galactic center	$R_\circ$	$8.0(5)$ kpc	[12]
Hubble constant†	H_0	$100\ h_0$ km s^{-1} Mpc^{-1}	
		$= h_0 \times (9.778\,13\ \text{Gyr})^{-1}$	[13]
normalized Hubble constant†	h_0	$0.5 < h_0 < 0.85$	[14,15]
critical density of the universe†	$\rho_c = 3H_0^2/8\pi G_N$	$2.775\,366\,27 \times 10^{11}\ h_0^2\ M_\odot \text{Mpc}^{-3}$	
		$= 1.878\,82(24) \times 10^{-29}\ h_0^2$ g cm^{-3}	
		$= 1.053\,94(13) \times 10^{-5}\ h_0^2$ GeV cm^{-3}	
local disk density	ρ_{disk}	3–12 $\times 10^{-24}$ g cm^{-3} $\approx$ 3–7 GeV/c^2 cm^{-3}	[16]
local halo density	ρ_{halo}	3–7 $\times 10^{-25}$ g cm^{-3} $\approx$ 0.2–0.4 GeV/c^2 cm^{-3}	[17]
density parameter of the universe†	$\Omega_0 \equiv \rho_0/\rho_c$	$0.1 < \Omega_0 < 2$	[18]
scaled cosmological constant†	$\lambda_0 = \Lambda c^2/3H_0^2$	$-1 < \lambda_0 < 2$	[19,20]
scale factor for cosmological constant†	$c^2/3H_0^2$	$2.853 \times 10^{51}\ h_0^{-2}$ m^2	
age of the universe†	t_0	$15(5)$ Gyr	[10]
	$\Omega_0 h_0^2$	≤ 2.4 for $t_0 \geq 10$ Gyr	[10]
		≤ 1 for $t_0 \geq 10$ Gyr, $h_0 > 0.4$	[10]
cosmic background radiation (CBR) temperature†	T_0	2.726 ± 0.005 K	[21]
solar velocity with respect to CBR		369.5 ± 3.0 km s^{-1}	[22]
energy density of CBR	ρ_γ	$4.647\,7 \times 10^{-34}\ (T/2.726)^4$ g cm^{-3}	[10]
		$= 0.260\,71\ (T/2.726)^4$ eV cm^{-3}	
number density of CBR photons	n_γ	$410.89\ (T/2.726)^3$ cm^{-3}	[10]
entropy density/Boltzmann constant	s/k	$2\,892.4\ (T/2.726)^3$ cm^{-3}	[10]

† Subscript 0 indicates present-day values.