

WMAP Cosmological Parameters

Model: wcdm+mnu

Data: wmap9+snls3

$10^9 \Delta_{\mathcal{R}}^2$	$2.44 \pm 0.11$	$H_0$	$69.8 \pm 2.9$ km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	$5753 \pm 36$ $\mu\text{K}^2$	$d_A(z_{\text{eq}})$	$14184 \pm 118$ Mpc
$d_A(z_*)$	$14019^{+120}_{-119}$ Mpc	$D_v(z=0.57)/r_s(z_d)$	$13.61^{+0.46}_{-0.44}$
$\eta$	$(6.13 \pm 0.15) \times 10^{-10}$	$k_{\text{eq}}$	$0.00998 \pm 0.00032$
$\ell_{\text{eq}}$	$139.9 \pm 3.4$	$\ell_*$	$302.35 \pm 0.65$
$\sum m_\nu$	$< 1.0$ eV (95% CL)	$n_b$	$(2.518 \pm 0.061) \times 10^{-7}$ $\text{cm}^{-3}$
$n_s$	$0.967 \pm 0.014$	$\Omega_b$	$0.0462 \pm 0.0034$
$\Omega_b h^2$	$0.02242 \pm 0.00054$	$\Omega_c$	$0.236 \pm 0.025$
$\Omega_c h^2$	$0.1142 \pm 0.0045$	$\Omega_\Lambda$	$0.709 \pm 0.033$
$\Omega_m$	$0.291 \pm 0.033$	$\Omega_m h^2$	$0.1411^{+0.0059}_{-0.0058}$
$\Omega_\nu h^2$	$< 0.011$ (95% CL)	$r_s(z_d)$	$152.2 \pm 1.3$ Mpc
$r_s(z_d)/D_v(z=0.106)$	$0.342^{+0.014}_{-0.015}$	$r_s(z_d)/D_v(z=0.2)$	$0.1859^{+0.0074}_{-0.0076}$
$r_s(z_d)/D_v(z=0.35)$	$0.1111^{+0.0041}_{-0.0042}$	$r_s(z_d)/D_v(z=0.44)$	$0.0911^{+0.0032}_{-0.0033}$
$r_s(z_d)/D_v(z=0.54)$	$0.0768^{+0.0025}_{-0.0026}$	$r_s(z_d)/D_v(z=0.57)$	$0.0736^{+0.0024}_{-0.0025}$
$r_s(z_d)/D_v(z=0.6)$	$0.0706^{+0.0022}_{-0.0023}$	$r_s(z_d)/D_v(z=0.73)$	$0.0609 \pm 0.0018$
$r_s(z_*)$	$145.7 \pm 1.2$	$R$	$1.756^{+0.027}_{-0.026}$
$\sigma_8$	$0.764^{+0.063}_{-0.064}$	$\sigma_8 \Omega_m^{0.5}$	$0.411 \pm 0.029$
$\sigma_8 \Omega_m^{0.6}$	$0.363^{+0.026}_{-0.027}$	$\alpha_{\text{SNLS}}$	$1.43 \pm 0.11$
$\beta_{\text{SNLS}}$	$3.26 \pm 0.11$	$A_{\text{SZ}}$	$< 2.0$ (95% CL)
$t_0$	$13.91^{+0.20}_{-0.19}$ Gyr	$\tau$	$0.088 \pm 0.014$
$\theta_*$	$0.010391 \pm 0.000022$	$\theta_*$	$0.5953 \pm 0.0013$ $^\circ$
$\tau_{\text{rec}}$	$283.5 \pm 2.4$	$t_{\text{reion}}$	$442 \pm 63$ Myr
$t_*$	$375384^{+4267}_{-4263}$ yr	$w$	$-1.15 \pm 0.11$
$z_d$	$1020.2 \pm 1.2$	$z_{\text{eq}}$	$3270 \pm 104$
$z_{\text{rec}}$	$1088.48 \pm 0.87$	$z_{\text{reion}}$	$10.7 \pm 1.1$
$z_*$	$1091.29 \pm 0.93$		