

WMAP Cosmological Parameters

Model: lcdm+mnv

Data: wmap9+bao

$10^9 \Delta_{\mathcal{R}}^2$	$2.407^{+0.084}_{-0.083}$	H_0	67.8 ± 1.1 km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	$5751 \pm 34 \mu\text{K}^2$	$d_A(z_{\text{eq}})$	14207^{+102}_{-101} Mpc
$d_A(z_*)$	14041^{+104}_{-102} Mpc	$D_v(z=0.57)/r_s(z_d)$	13.54 ± 0.13
η	$(6.17 \pm 0.12) \times 10^{-10}$	k_{eq}	0.00991 ± 0.00024
ℓ_{eq}	139.1 ± 2.5	ℓ_*	302.31 ± 0.62
$\sum m_\nu$	< 0.58 eV (95% CL)	n_b	$(2.536 \pm 0.050) \times 10^{-7} \text{ cm}^{-3}$
n_s	0.972 ± 0.011	Ω_b	0.0492 ± 0.0015
$\Omega_b h^2$	0.02258 ± 0.00044	Ω_c	0.246 ± 0.010
$\Omega_c h^2$	$0.1131^{+0.0032}_{-0.0033}$	Ω_Λ	0.698 ± 0.012
Ω_m	0.302 ± 0.012	$\Omega_m h^2$	0.1386 ± 0.0025
$\Omega_\nu h^2$	< 0.0061 (95% CL)	$r_s(z_d)$	152.4 ± 1.1 Mpc
$r_s(z_d)/D_v(z=0.106)$	0.3361 ± 0.0049	$r_s(z_d)/D_v(z=0.2)$	0.1839 ± 0.0025
$r_s(z_d)/D_v(z=0.35)$	0.1108 ± 0.0013	$r_s(z_d)/D_v(z=0.44)$	$0.09115^{+0.00100}_{-0.00099}$
$r_s(z_d)/D_v(z=0.54)$	0.07711 ± 0.00077	$r_s(z_d)/D_v(z=0.57)$	0.07389 ± 0.00072
$r_s(z_d)/D_v(z=0.6)$	$0.07100^{+0.00068}_{-0.00067}$	$r_s(z_d)/D_v(z=0.73)$	0.06131 ± 0.00052
$r_s(z_*)$	$145.92^{+0.92}_{-0.91}$	R	$1.7432^{+0.0070}_{-0.0071}$
σ_8	0.758 ± 0.051	$\sigma_8 \Omega_m^{0.5}$	$0.416^{+0.027}_{-0.028}$
$\sigma_8 \Omega_m^{0.6}$	0.369 ± 0.024	A_{SZ}	< 2.0 (95% CL)
t_0	13.89 ± 0.11 Gyr	τ	0.089 ± 0.013
θ_*	0.010392 ± 0.000021	θ_*	$0.5954 \pm 0.0012^\circ$
τ_{rec}	284.2 ± 1.7	t_{reion}	445^{+63}_{-64} Myr
t_*	376692^{+2805}_{-2785} yr	z_d	1020.5 ± 1.1
z_{eq}	3248^{+78}_{-79}	z_{rec}	1088.19 ± 0.65
z_{reion}	10.7 ± 1.1	z_*	1090.98 ± 0.63