

WMAP Cosmological Parameters

Model: lcdm+run

Data: wmap9+snls3

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|-------------------------------|------------------------------|---------------------------|--|
| $10^9 \Delta_{\mathcal{R}}^2$ | 2.365 ± 0.098 | H_0 | 71.3 ± 2.6 km/s/Mpc |
| $\ell(\ell+1)C_{220}/(2\pi)$ | $5754 \pm 35 \mu\text{K}^2$ | $d_A(z_{\text{eq}})$ | 14239_{-124}^{+125} Mpc |
| $d_A(z_*)$ | 14074 ± 126 Mpc | $dn_s/d \ln k$ | -0.000 ± 0.021 |
| $D_v(z=0.57)/r_s(z_d)$ | 13.10 ± 0.35 | η | $(6.23 \pm 0.17) \times 10^{-10}$ |
| k_{eq} | 0.00979 ± 0.00036 | ℓ_{eq} | 137.7 ± 4.0 |
| ℓ_* | 302.20 ± 0.64 | n_b | $(2.559 \pm 0.071) \times 10^{-7} \text{ cm}^{-3}$ |
| n_s | 0.978 ± 0.044 | Ω_b | 0.0449 ± 0.0024 |
| $\Omega_b h^2$ | 0.02279 ± 0.00063 | Ω_c | 0.221 ± 0.026 |
| $\Omega_c h^2$ | 0.1113 ± 0.0052 | Ω_Λ | 0.734 ± 0.028 |
| Ω_m | 0.266 ± 0.028 | $\Omega_m h^2$ | 0.1341 ± 0.0049 |
| $r_s(z_d)$ | 152.8 ± 1.3 Mpc | $r_s(z_d)/D_v(z=0.106)$ | 0.353 ± 0.014 |
| $r_s(z_d)/D_v(z=0.2)$ | 0.1925 ± 0.0070 | $r_s(z_d)/D_v(z=0.35)$ | 0.1154 ± 0.0037 |
| $r_s(z_d)/D_v(z=0.44)$ | 0.0946 ± 0.0028 | $r_s(z_d)/D_v(z=0.54)$ | 0.0798 ± 0.0022 |
| $r_s(z_d)/D_v(z=0.57)$ | $0.0764_{-0.0021}^{+0.0020}$ | $r_s(z_d)/D_v(z=0.6)$ | 0.0733 ± 0.0019 |
| $r_s(z_d)/D_v(z=0.73)$ | 0.0631 ± 0.0015 | $r_s(z_*)$ | 146.3 ± 1.2 |
| R | $1.719_{-0.018}^{+0.019}$ | σ_8 | 0.812 ± 0.023 |
| $\sigma_8 \Omega_m^{0.5}$ | 0.418 ± 0.031 | $\sigma_8 \Omega_m^{0.6}$ | 0.366 ± 0.031 |
| α_{SNLS} | 1.43 ± 0.11 | β_{SNLS} | 3.26 ± 0.11 |
| A_{SZ} | < 2.0 (95% CL) | t_0 | 13.70 ± 0.13 Gyr |
| τ | $0.092_{-0.014}^{+0.015}$ | θ_* | 0.010396 ± 0.000022 |
| θ_* | 0.5956 ± 0.0013 ° | τ_{rec} | 285.2 ± 2.7 |
| t_{reion} | 450_{-72}^{+71} Myr | t_* | 378633_{-4813}^{+4802} yr |
| z_d | 1020.8 ± 1.2 | z_{eq} | 3210 ± 118 |
| z_{rec} | 1087.85 ± 0.97 | z_{reion} | 10.7 ± 1.2 |
| z_* | 1090.6 ± 1.1 | | |