WMAP Cosmological Parameters

Model: lcdm+sz+lens+nrel

Data: wmap7

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|---|---|---|---|
| $10^2\Omega_b h^2$ | $2.260^{+0.055}_{-0.054}$ | $1-n_s$ | $0.008^{+0.023}_{-0.022}$ |
| $1-n_s$ | $-0.031 < 1-n_s < 0.059$ (95% CL) | $A_{\rm BAO}(z=0.35)$ | $0.465 \pm 0.021$ |
| $C_{220}$ | $5756^{+38}_{-37}$ | $d_A(z_{\rm eq})$ | $12346^{+1285}_{-1334}$ Mpc |
| $d_A(z_*)$ | $12206^{+1270}_{-1317}$ Mpc | $\Delta^2_{\mathcal{R}}$ | $(2.39 \pm 0.11) \times 10^{-9}$ |
| $h$ | $0.826^{+0.089}_{-0.087}$ | $H_0$ | $82.6^{+8.9}_{-8.7}$ km/s/Mpc |
| $k_{\rm eq}$ | $0.0113 \pm 0.0012$ | $\ell_{\rm eq}$ | $136.5^{+4.5}_{-4.4}$ |
| $\ell_*$ | $304.8 \pm 1.6$ | $N_{\rm eff}$ | $> 2.7$ (95% CL) |
| $n_s$ | $0.992^{+0.022}_{-0.023}$ | $\Omega_b$ | $0.0342 \pm 0.0072$ |
| $\Omega_b h^2$ | $0.02260^{+0.00055}_{-0.00054}$ | $\Omega_c$ | $0.235^{+0.029}_{-0.028}$ |
| $\Omega_c h^2$ | $0.162^{+0.041}_{-0.038}$ | $\Omega_\Lambda$ | $0.731^{+0.029}_{-0.030}$ |
| $\Omega_m$ | $0.269^{+0.030}_{-0.029}$ | $\Omega_m h^2$ | $0.184^{+0.041}_{-0.038}$ |
| $r_{\rm hor}(z_{\rm dec})$ | $245^{+27}_{-28}$ Mpc | $r_s(z_d)$ | $132^{+14}_{-15}$ Mpc |
| $r_s(z_d)/D_v(z=0.2)$ | $0.1903^{+0.0073}_{-0.0072}$ | $r_s(z_d)/D_v(z=0.35)$ | $0.1142^{+0.0039}_{-0.0038}$ |
| $r_s(z_*)$ | $126 \pm 14$ Mpc | $R$ | $1.721 \pm 0.019$ |
| $\sigma_8$ | $0.903 \pm 0.077$ | $A_{\rm SZ}$ | $0.97^{+0.67}_{-0.97}$ |
| $t_0$ | $11.9^{+1.2}_{-1.3}$ Gyr | $\tau$ | $0.088^{+0.014}_{-0.015}$ |
| $\theta_*$ | $0.010309 \pm 0.000053$ | $\theta_*$ | $0.5906^{+0.0031}_{-0.0030}$ $^\circ$ |
| $t_*$ | $324760^{+36170}_{-37308}$ yr | $z_{\rm dec}$ | $1092.3^{+3.3}_{-3.1}$ |
| $z_d$ | $1022.8 \pm 1.7$ | $z_{\rm eq}$ | $3145^{+140}_{-139}$ |
| $z_{\rm reion}$ | $11.7^{+1.5}_{-1.6}$ | $z_*$ | $1094.8^{+3.1}_{-3.0}$ |