WMAP Cosmological Parameters

Model: owcdm

Data: wmap9+snls3+bao+h0

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|---|---|---|---|
| $10^9\Delta^2_{\mathcal{R}}$ | $2.431 \pm 0.099$ | $H_0$ | $71.1 \pm 1.4$ km/s/Mpc |
| $\ell(\ell+1)C_{220}/(2\pi)$ | $5747 \pm 35\ \mu\mathrm{K}^2$ | $d_A(z_{\rm eq})$ | $14159^{+112}_{-111}$ Mpc |
| $d_A(z_*)$ | $13997^{+115}_{-114}$ Mpc | $D_v(z=0.57)/r_s(z_d)$ | $13.54 \pm 0.15$ |
| $\eta$ | $(6.18 \pm 0.13) \times 10^{-10}$ | $k_{\rm eq}$ | $0.01005^{+0.00030}_{-0.00031}$ |
| $\ell_{\rm eq}$ | $140.6^{+3.2}_{-3.3}$ | $\ell_*$ | $302.34 \pm 0.64$ |
| $n_b$ | $(2.540 \pm 0.054) \times 10^{-7}$ cm$^{-3}$ | $n_s$ | $0.970 \pm 0.012$ |
| $\Omega_b$ | $0.0448 \pm 0.0019$ | $\Omega_b h^2$ | $0.02262 \pm 0.00048$ |
| $\Omega_c$ | $0.228 \pm 0.010$ | $\Omega_c h^2$ | $0.1151^{+0.0042}_{-0.0043}$ |
| $\Omega_k$ | $-0.0046^{+0.0040}_{-0.0041}$ | $\Omega_k$ | $-0.0126 < \Omega_k < 0.0037$ (95% CL) |
| $\Omega_\Lambda$ | $0.732 \pm 0.013$ | $\Omega_m$ | $0.273 \pm 0.011$ |
| $\Omega_m h^2$ | $0.1377^{+0.0041}_{-0.0042}$ | $\Omega_{\rm tot}$ | $1.0046^{+0.0041}_{-0.0040}$ |
| $\Omega_{\rm tot}$ | $1.00 < \Omega_{\rm tot} < 1.01$ (95% CL) | $r_s(z_d)$ | $151.9 \pm 1.2$ Mpc |
| $r_s(z_d)/D_v(z=0.106)$ | $0.3469 \pm 0.0050$ | $r_s(z_d)/D_v(z=0.2)$ | $0.1880 \pm 0.0023$ |
| $r_s(z_d)/D_v(z=0.35)$ | $0.1120^{+0.0012}_{-0.0013}$ | $r_s(z_d)/D_v(z=0.44)$ | $0.0916 \pm 0.0010$ |
| $r_s(z_d)/D_v(z=0.54)$ | $0.07719^{+0.00085}_{-0.00084}$ | $r_s(z_d)/D_v(z=0.57)$ | $0.07387 \pm 0.00081$ |
| $r_s(z_d)/D_v(z=0.6)$ | $0.07091 \pm 0.00078$ | $r_s(z_d)/D_v(z=0.73)$ | $0.06100^{+0.00068}_{-0.00067}$ |
| $r_s(z_*)$ | $145.4 \pm 1.1$ | $R$ | $1.732^{+0.014}_{-0.015}$ |
| $\sigma_8$ | $0.863^{+0.032}_{-0.033}$ | $\sigma_8\Omega_m^{0.5}$ | $0.451 \pm 0.019$ |
| $\sigma_8\Omega_m^{0.6}$ | $0.396^{+0.017}_{-0.018}$ | $\alpha_{\rm SNLS}$ | $1.44 \pm 0.11$ |
| $\beta_{\rm SNLS}$ | $3.27 \pm 0.11$ | $A_{\rm SZ}$ | $< 2.0$ (95% CL) |
| $t_0$ | $13.93 \pm 0.18$ Gyr | $\tau$ | $0.088 \pm 0.014$ |
| $\theta_*$ | $0.010391 \pm 0.000022$ | $\theta_*$ | $0.5954 \pm 0.0013$ ° |
| $\tau_{\rm rec}$ | $283.3^{+2.3}_{-2.2}$ | $t_{\rm reion}$ | $455^{+64}_{-66}$ Myr |
| $t_*$ | $375209^{+3897}_{-3807}$ yr | $w$ | $-1.137^{+0.070}_{-0.071}$ |
| $z_d$ | $1020.8 \pm 1.1$ | $z_{\rm eq}$ | $3295^{+99}_{-101}$ |
| $z_{\rm rec}$ | $1088.27^{+0.75}_{-0.76}$ | $z_{\rm reion}$ | $10.5 \pm 1.1$ |
| $z_*$ | $1091.10^{+0.80}_{-0.81}$ | | |