

WMAP Cosmological Parameters

Model: lcdm+yhe

Data: wmap9+spt+act+snls3+bao+h0

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|-----------------------------------|------------------------------------------|-----------------------------------|-------------------------------------------------------------|
| $10^9 \Delta_{\mathcal{R}}^2$ | $2.395^{+0.076}_{-0.077}$ | H_0 | $70.00^{+0.81}_{-0.82}$ km/s/Mpc |
| $A_{\text{clustered}}$ | < 14 (95% CL) | $A_{\text{Poisson}}^{\text{ACT}}$ | 13.2 ± 2.7 |
| $A_{\text{Poisson}}^{\text{SPT}}$ | > 13 (95% CL) | $\ell(\ell+1)C_{220}/(2\pi)$ | 5752^{+31}_{-32} μK^2 |
| $d_A(z_{\text{eq}})$ | 14085^{+80}_{-81} Mpc | $d_A(z_*)$ | 13919^{+81}_{-82} Mpc |
| $D_v(z=0.57)/r_s(z_d)$ | 13.31 ± 0.11 | η | $(6.19 \pm 0.10) \times 10^{-10}$ |
| k_{eq} | 0.01015 ± 0.00016 | ℓ_{eq} | 141.3 ± 1.5 |
| ℓ_* | 301.48 ± 0.49 | n_b | $(2.543^{+0.043}_{-0.042}) \times 10^{-7}$ cm^{-3} |
| n_s | 0.978 ± 0.011 | Ω_b | $0.04621^{+0.00092}_{-0.00091}$ |
| $\Omega_b h^2$ | 0.02264 ± 0.00038 | Ω_c | $0.2378^{+0.0084}_{-0.0085}$ |
| $\Omega_c h^2$ | 0.1165 ± 0.0021 | Ω_Λ | $0.7160^{+0.0092}_{-0.0093}$ |
| Ω_m | $0.2840^{+0.0093}_{-0.0092}$ | $\Omega_m h^2$ | 0.1391 ± 0.0022 |
| $r_s(z_d)$ | $151.48^{+0.81}_{-0.82}$ Mpc | $r_s(z_d)/D_v(z=0.106)$ | $0.3443^{+0.0042}_{-0.0041}$ |
| $r_s(z_d)/D_v(z=0.2)$ | 0.1881 ± 0.0021 | $r_s(z_d)/D_v(z=0.35)$ | 0.1131 ± 0.0011 |
| $r_s(z_d)/D_v(z=0.44)$ | 0.09286 ± 0.00085 | $r_s(z_d)/D_v(z=0.54)$ | 0.07845 ± 0.00066 |
| $r_s(z_d)/D_v(z=0.57)$ | 0.07514 ± 0.00062 | $r_s(z_d)/D_v(z=0.6)$ | 0.07217 ± 0.00058 |
| $r_s(z_d)/D_v(z=0.73)$ | 0.06222 ± 0.00045 | $r_s(z_*)$ | $145.04^{+0.67}_{-0.68}$ |
| R | 1.7315 ± 0.0057 | σ_8 | 0.840 ± 0.018 |
| $\sigma_8 \Omega_m^{0.5}$ | 0.448 ± 0.014 | $\sigma_8 \Omega_m^{0.6}$ | 0.395 ± 0.013 |
| α_{SNLS} | 1.43 ± 0.11 | β_{SNLS} | 3.25 ± 0.11 |
| A_{SZ} | < 1.5 (95% CL) | t_0 | 13.670 ± 0.074 Gyr |
| τ | 0.084 ± 0.012 | θ_* | 0.010420 ± 0.000017 |
| θ_* | $0.59705^{+0.00097}_{-0.00096}$ $^\circ$ | τ_{rec} | 282.1 ± 1.2 |
| t_{reion} | 444^{+62}_{-64} Myr | t_* | 373891^{+1859}_{-1855} yr |
| Y_{He} | 0.299 ± 0.027 | z_d | $1020.96^{+0.94}_{-0.92}$ |
| z_{eq} | 3330^{+53}_{-52} | z_{rec} | 1090.4 ± 1.0 |
| z_{reion} | 10.7 ± 1.1 | z_* | $1091.19^{+0.49}_{-0.48}$ |