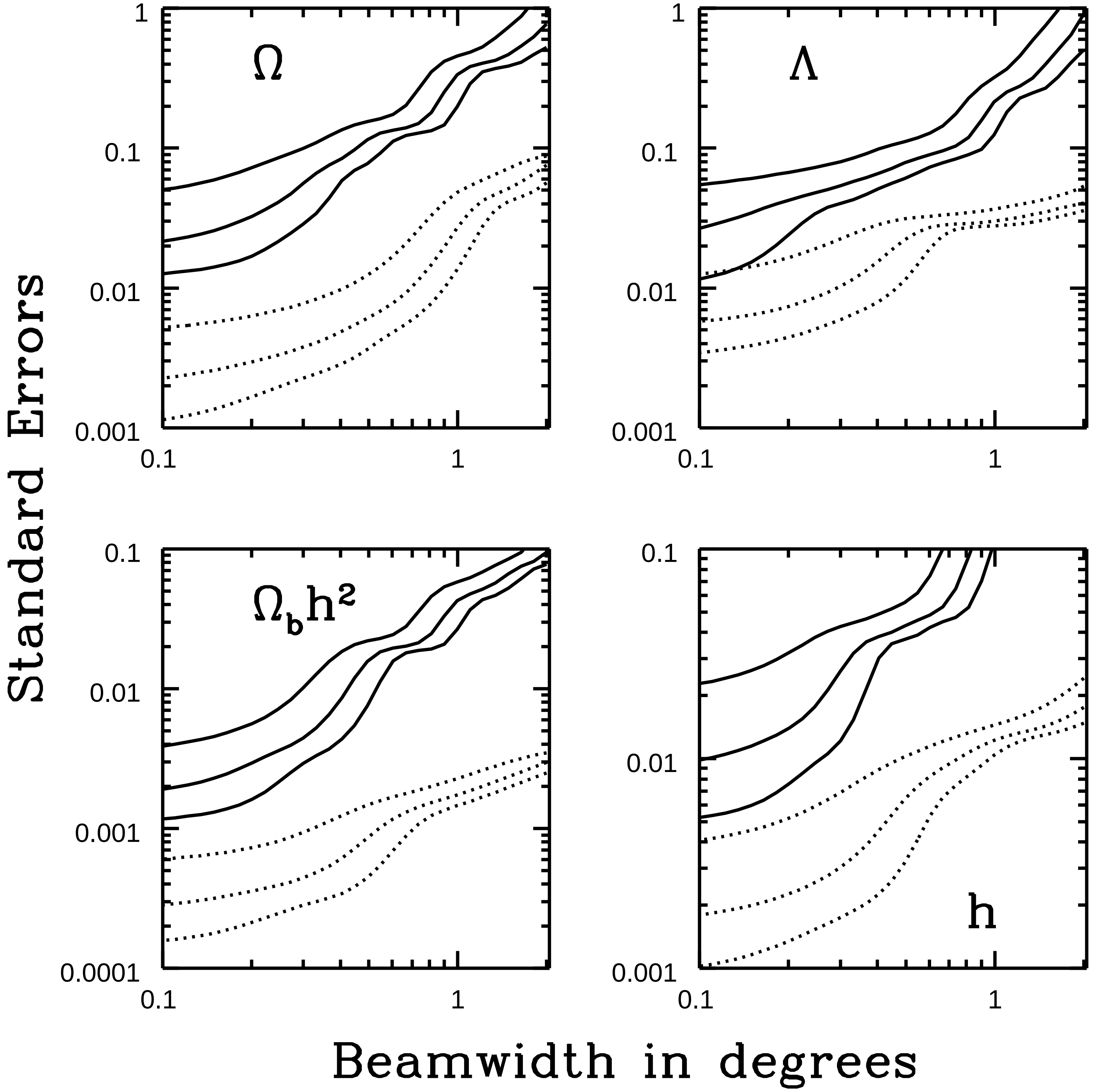

FIG. 3. The standard errors for Ω, Λ, $\Omega_b h^2$, and h that can be obtained with a full-sky mapping experiment as a function of the beam width $\theta_{\rm fwhm}$ for noise levels $w^{-1} = 2\times10^{-15}$, 9×10^{-15}, and 4×10^{-14} (from lower to upper curves). The underlying model is "standard CDM." The solid curves are the sensitivities attainable with no prior assumptions about the values of any of the other cosmological parameters. The dotted curves are the sensitivities that would be attainable assuming that all other cosmological parameters, except the normalization (Q), were fixed. The results for a mapping experiment which covers only a fraction $f_{\rm sky}$ of the sky can be obtained by replacing $w \to w f_{\rm sky}$ and scaling by $f_{\rm sky}^{-1/2}$ [c.f., Eq. (20)].