planck pr3 allch Cosmo sample Catalogue [$A = -0.186 \pm 0.01$; $\alpha = 1.791 \pm 0.055$] X-ray prior [$A = -0.192 \pm 0.012$; $\alpha = 1.846 \pm 0.07$] X-ray prior iterative [$A = -0.173 \pm 0.011$; $\alpha = 1.787 \pm 0.069$] 10⁻³ Blind [$A = -0.127 \pm 0.017$; $\alpha = 1.769 \pm 0.125$] $E(z)^{-2/3}D_A^2Y_{500}$ 10^{-4} $E(z)^{-2/3}D_A^2Y_{500} = 10^A \left[\frac{M_{500}}{6 \times 10^{14}M_{\odot}}\right]^{\alpha}$ 10^{-5} 10^{15}

 $M_{500} M_{\odot}$