planck_pr1_hfi_inpainted_data

Cosmo sample: X-ray prior iterative (NEM)
T=0 keV : $A = -0.172 \pm 0.01$; $\alpha = 1.755 \pm 0.05$]
$T = T_X$ keV : $A = -0.132 \pm 0.009$; $\alpha = 1.801 \pm 0.047$]

$$E(z)^{-2/3} D_A^2 Y_{500} = 10^A \left[\frac{M_{500}}{6 \times 10^{14} M_\odot} \right]^\alpha$$

$E(z)^{-2/3} D_A^2 Y_{500}$

$M_{500}\ M_\odot$