$\Delta \sigma = (1.050 \pm 7.116) \times 10^{-4}$  $\sigma$  = 0.00580600 ± 0.00050190  $\sigma$  = 0.00591100 ± 0.00050448 0.0075 0.0050 0.0045 0.0050 0.0055 0.0060 0.0065 0.0070 0.0075 redshift nosyst gal  $\sigma_{lpha}$