



FIG. 4. Excess of galaxies in bins of  $\cos \theta_{Rg}$  over what would be expected if there was no correlation between  $\mathbf{j}_g$  and  $\mathbf{j}_R$ , the galaxy spins measured and predicted. For our fiducial sample of 15155 galaxies and  $r = 3 \text{ Mpc/h}$ . The (correlated) error bars assume  $\mathbf{j}_g$  and  $\mathbf{j}_R$  are independent.