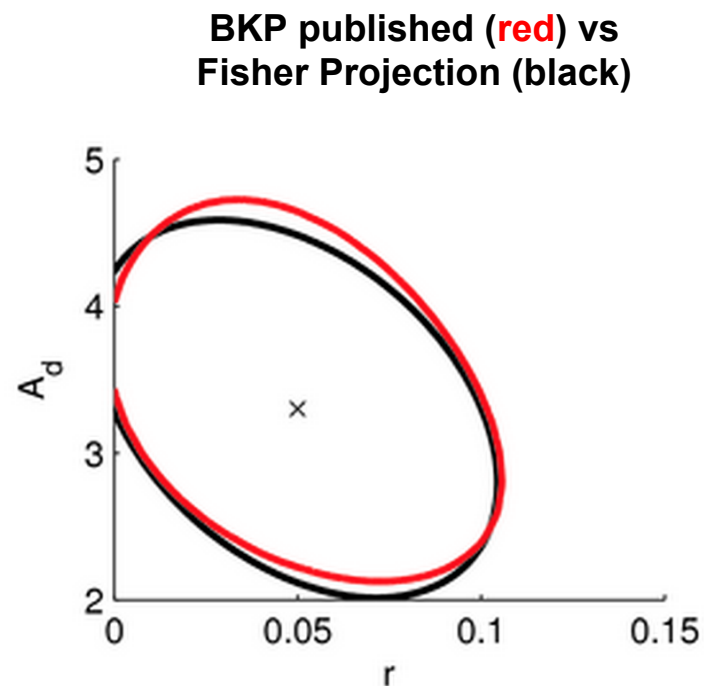


Fisher machinery based on likelihood code initially developed for BKP.

Forecasts based on experimentally achieved survey weights (bandpower covariances) at each frequency,

Component separation in the context of our 12 parameter model:  $\{r, A_L, A_d, A_s, \beta_{\text{dust}}, \beta_{\text{sync}}, \alpha_{\text{dust}}, \alpha_{\text{sync}}, E/B_{\text{dust}}, E/B_{\text{sync}}, \epsilon_{\text{dust/sync}}, T_{\text{dust}}\}$ ,  
-- parameterization in this code easily extensible--Jo mentioned one worked example (band-by-band) FG yesterday.

-- delensing, vary  $f_{\text{sky}}$ , explore priors on any of FG parameters

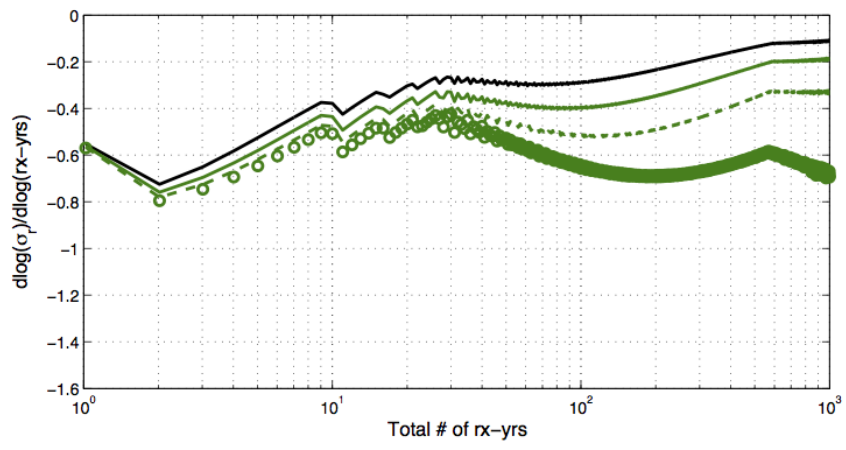
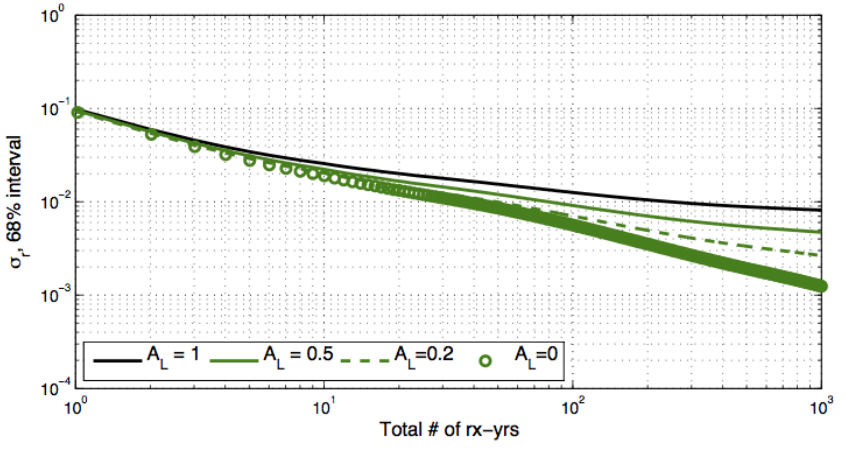
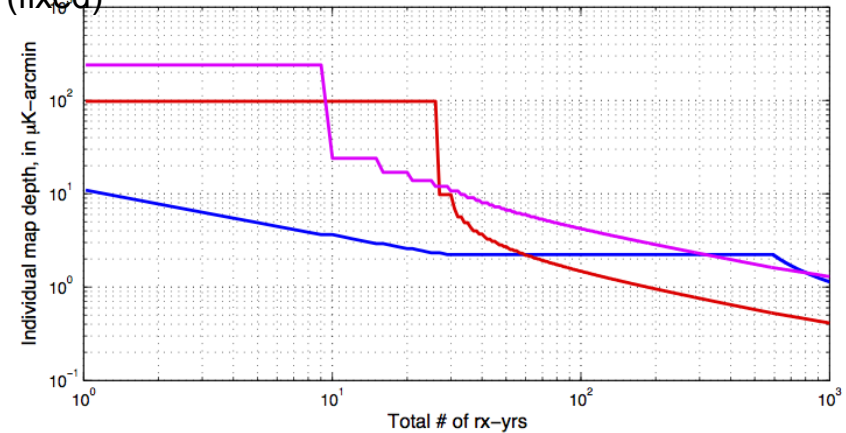
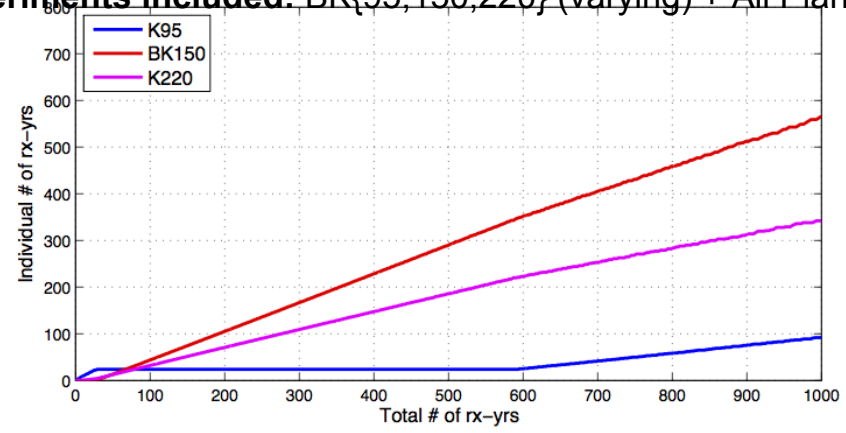


**Fisher parameters:**  $r, A_{\text{dust}}, A_{\text{sync}}, \beta_{\text{dust}}$

**Model centered at:**  $r=0, A_{\text{d}} = 3.3 \mu\text{K}^2, A_{\text{s}} = 3\text{e-}4 \mu\text{K}^2, \beta_{\text{dust}} = 1.59 \pm 0.11, \beta_{\text{sync}} = -3.3, \alpha_{\text{dust}} = -0.42, \alpha_{\text{sync}} = -0.6, T_{\text{dust}} = 19.6$

K

**Experiments included:** BK{95,150,220} (varying) + All Planck (fixed)



$\sigma_r$  for various noise levels (BKP; rx-yrs = 100; rx-yrs = 1000), various  $f_{\text{sky}} = [10^{-3}, 1]$ , and various levels of delensing (0%, 50%, 80% and 100% delensing)

