likelihood

May 29, 2019

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In [1]: import numpy as np
        import matplotlib.pyplot as plt
        import posterior as pos
       posterior = pos.posterior()
In [2]: lmax = 500
       ns_range = [0.85, 1.15, 0.005]
        file_scal = 'cls_scal_lmax2500_ns0p85-1p15_step0p005.npy'
       file_tens = 'cls_tens_lmax2500.npy'
        file_data = 'cls_data_lmax2500.npy'
        posterior.load_theory(file_scal, file_tens, lmax, ns_range)
       posterior.load_data(file_data, lmax)
In [3]: 1 = np.arange(2, lmax+1)
       fl = 1*(1+1)/(2.*np.pi)
       plt.loglog(1, fl*posterior.cl_data[2:], color='black')
       plt.loglog(1, fl*posterior.cl_scal(0.96)[2:], color='red')
       plt.xlabel('$\ell$')
       plt.ylabel('$\ell (\ell+1) / 2 \pi \ C_\ell$')
       plt.show()
```







