

10 ⁻¹ - 10 ⁻⁴ - 10 ⁻⁷ - 10 ⁻¹⁰ -	$\begin{array}{c} & & & & & & & & & & & & & & & & & & &$
<pre>fig,ax = p ax.errorba model2=get model2=mod ax.plot(el</pre>	10 ⁰ 10 ¹ 10 ² 10 ³ 10 ⁴ bolt.subplots() ar(planck_binned[:,0],planck_binned[:,1],errs_binned,fmt='.',label = 'Data') c_spectrum(pmcmc) del2[:len(spec)] al,model2,label = 'Fit at MCMC method parameters')
ax.legend	<pre>int, model2, label = 'Fit at MCMC method parameters') () et_chisq(get_spectrum, spec, pmcmc, varerr) .sq is ",chisq," for ",len(spec)-len(pars)," degrees of freedom.") Fit at MCMC method parameters Data</pre>
4000 - 3000 - 2000 -	
print('Bes for i in r displa	0 500 1000 1500 2000 2500 2577.043102636848 for 2501 degrees of freedom. St fit parameters for the chain with the constraint:\n') range(len(pmcmc)): ay(Math(params[i]+r'\$= {} \pm {}\$'.format(pmcmc[i],pmcmc_err[i])))
for i in a displa Best fit p $H_0 = 67.763$ $\Omega_b h^2 = 0.02$ $\Omega_c h^2 = 0.11$	Best fit parameters for the chain with the constraint:\n') range(len(pmcmc)): ay(Math(params[i]+r'\$= {} \pm {}\$'.format(pimpsamp[i],pimpsamp_err[i]))) parameters for the chain with the constraint: $346189604908 \pm 1.0008806776718875$ $229694213976638 \pm 0.00021528509595358883$ $873758371378285 \pm 0.0022660402476238958$ $8979114304674 \pm 0.007341093217705456$
n_s $= 0.9703$ Best fit p H_0 $= 67.870$ $\Omega_b h^2$ $= 0.02$ $\Omega_c h^2$ $= 0.11$	$807374930637e - 09 \pm 3.1452296824359454e - 11$ $921091096512 \pm 0.0053907417373109875$ parameters for the chain with the constraint: $973884097363 \pm 0.9609301260723686$ $92299806667003968 \pm 0.0002061890583405401$ $9844156523227146 \pm 0.002192271844630678$
$A_s{=}\;2.0969$ $n_s{=}\;0.9706$ We see that t	$224036403911\pm0.00712548428933894$ $277296342167e-09\pm3.0497072584057284e-11$ $665036744093\pm0.005625002213305259$ There is no statistical difference between those two sts of parameters. Hence, importance sampling has the same effectole new chain with a constraint, but the first method takes a few milliseconds to run, and the other takes a couple of health of the constraint of the constra