A plot of the scalar power spectrum, $\Delta^2_{\mathcal{R}}(k)$ vs. no of e-folds, N for k = 14254. 10⁻¹ $\Delta^2_{\mathcal{R}}(k) = \frac{k^3}{2\pi^2} \left(\frac{|v_k|}{a\phi'}\right)^2$ 10⁻³ **Bunch-Davies Solution** 10⁻⁵ Scalar power spectrum, $\Delta^2_{\mathcal{R}}(k)$ 10⁻⁷ 10⁻⁹ 10⁻¹¹ 10⁻¹³ 10⁻¹⁵ 10⁻¹⁷ 20 30 60 40 50 70 80 10 No. of e-folds, N