

Contents

1 Description	1
2 Organization	1

1 Description

Final project of PHYS 229 at UCB in Spring 2019:

For your P229 final project I would like you to run the 21cmfast code (<https://github.com/andreimesinger/21cmFAST>) varying several of its parameters to produce ionization histories. Then use CAMB or CLASS (preferred) to compute how the temperature and polarization angular power spectra of the CMB would change if the Universe reionized in this manner. You can either submit an iPython notebook or a PDF file describing your results.

[See report here.](#)

2 Organization

21cmFAST.taskpaper Notes and todos

notebook Jupyter notebooks used

install convenient scripts to install the necessary environments

bin scripts written to generate the outputs