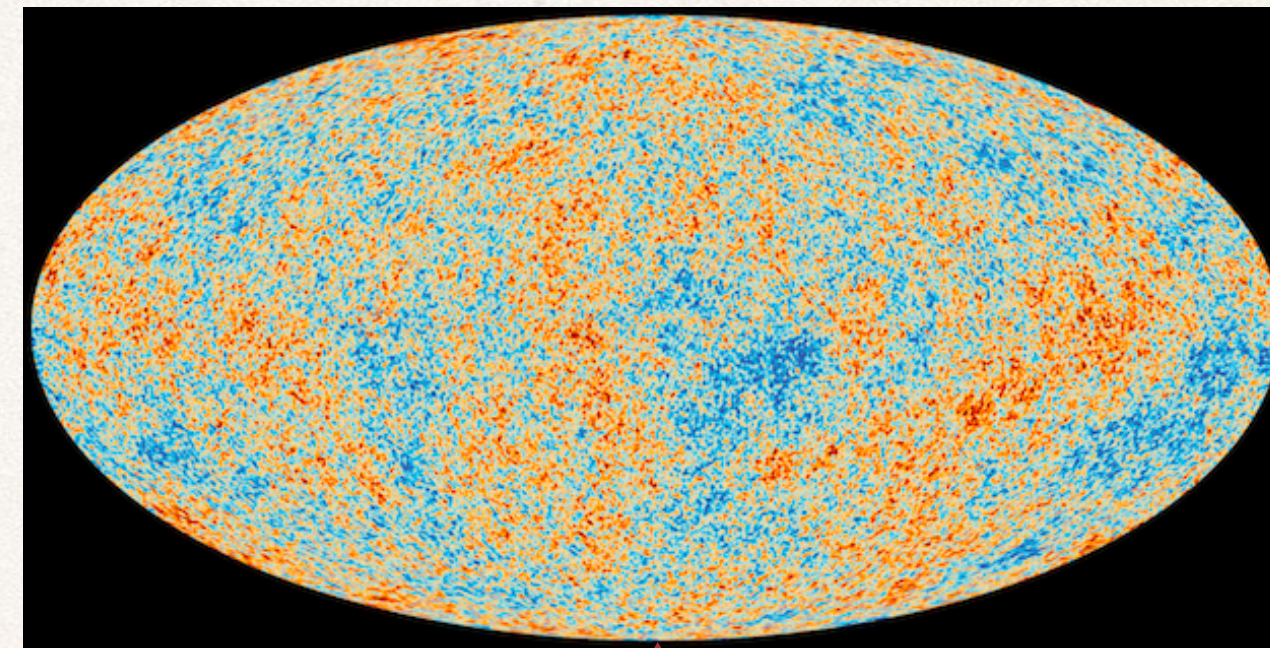


# Leveraging Cross Correlations to Detect New Physics

Andrina Nicola (AlfA) & Joe DeRose (LBNL)

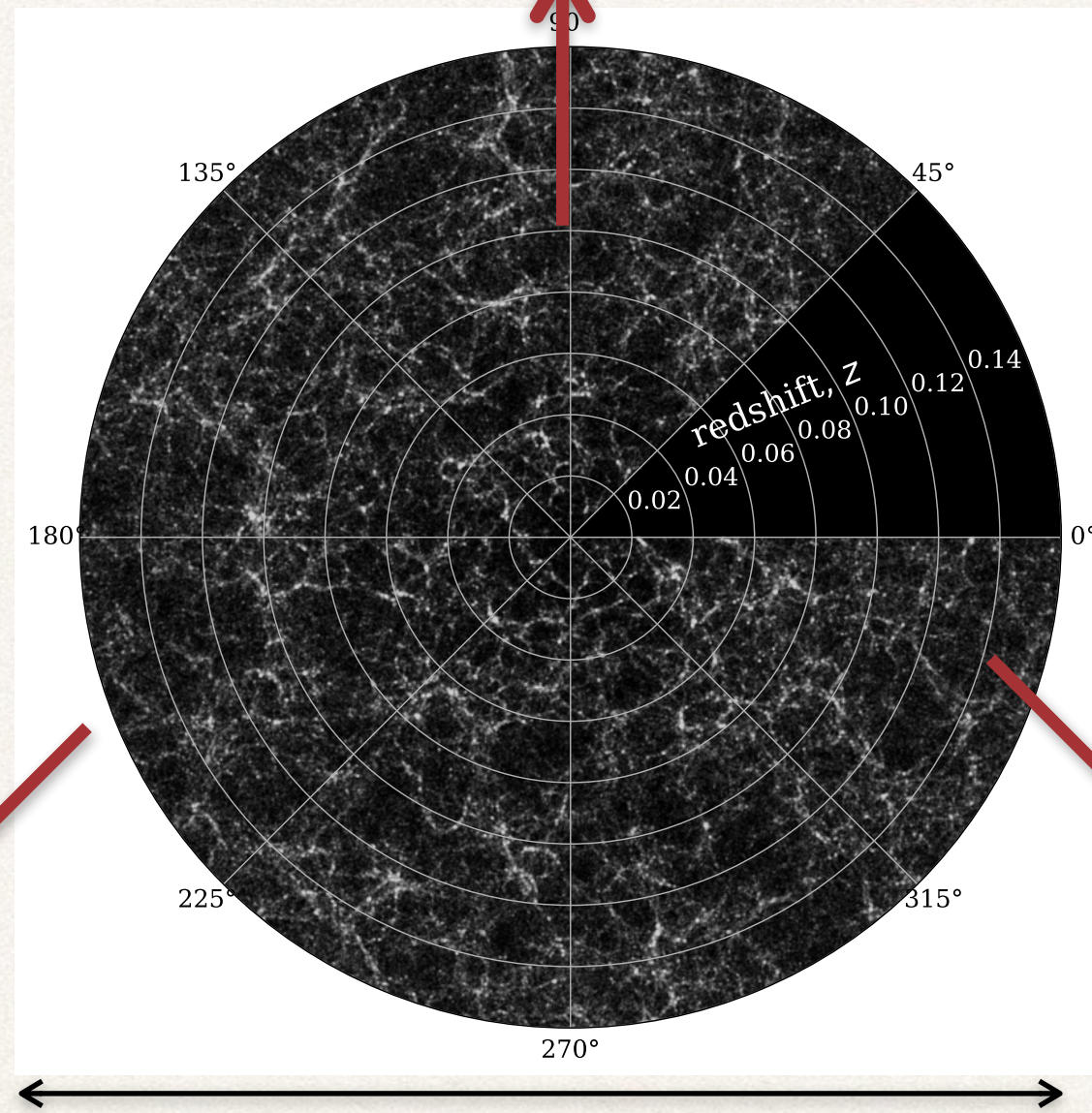
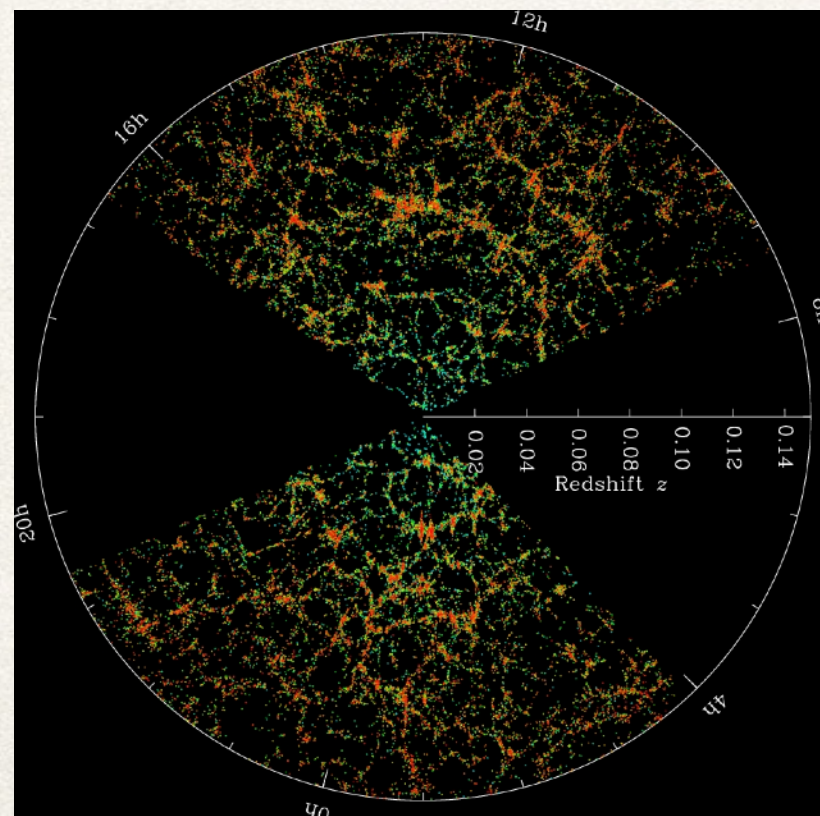
## The CMB



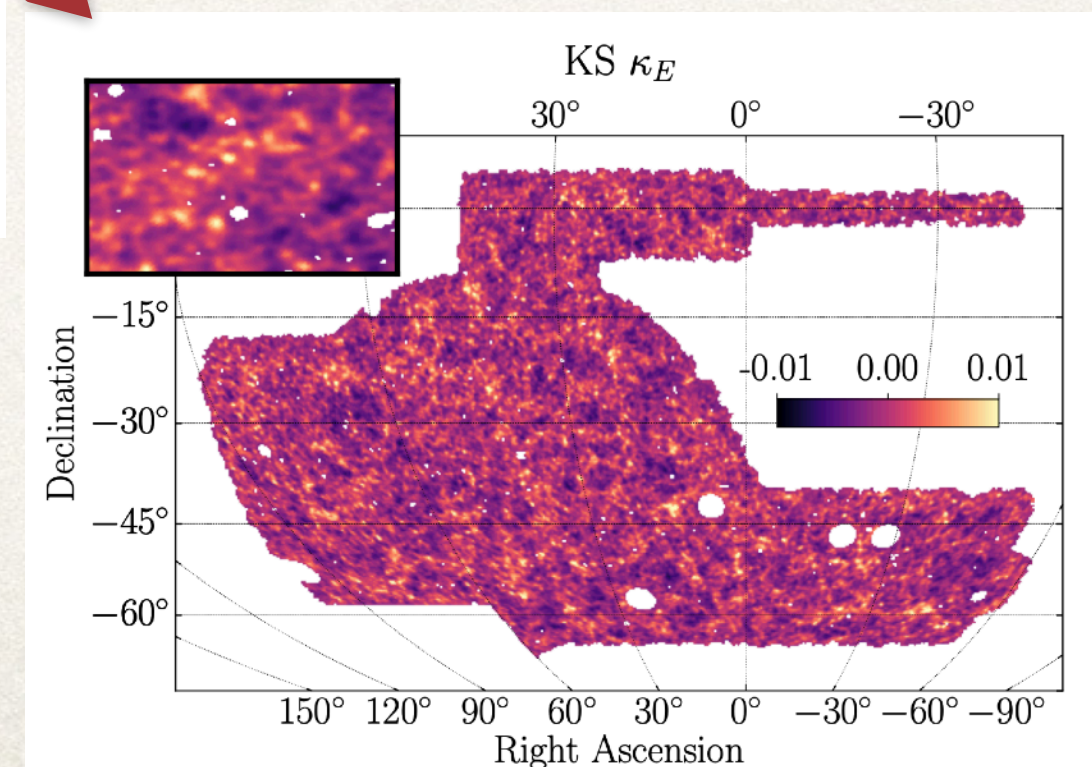
*CMB-galaxy lensing  
Sunyaev-Zel'dovich effect*

*CMB-galaxy lensing  
shear calibration  
redshift calibration  
Sunyaev-Zel'dovich effect  
CMB de-lensing*

## Spectroscopy



## Photometry



*galaxy-galaxy lensing  
intrinsic alignments  
redshift calibration*



# Leveraging Cross Correlations to Detect New Physics

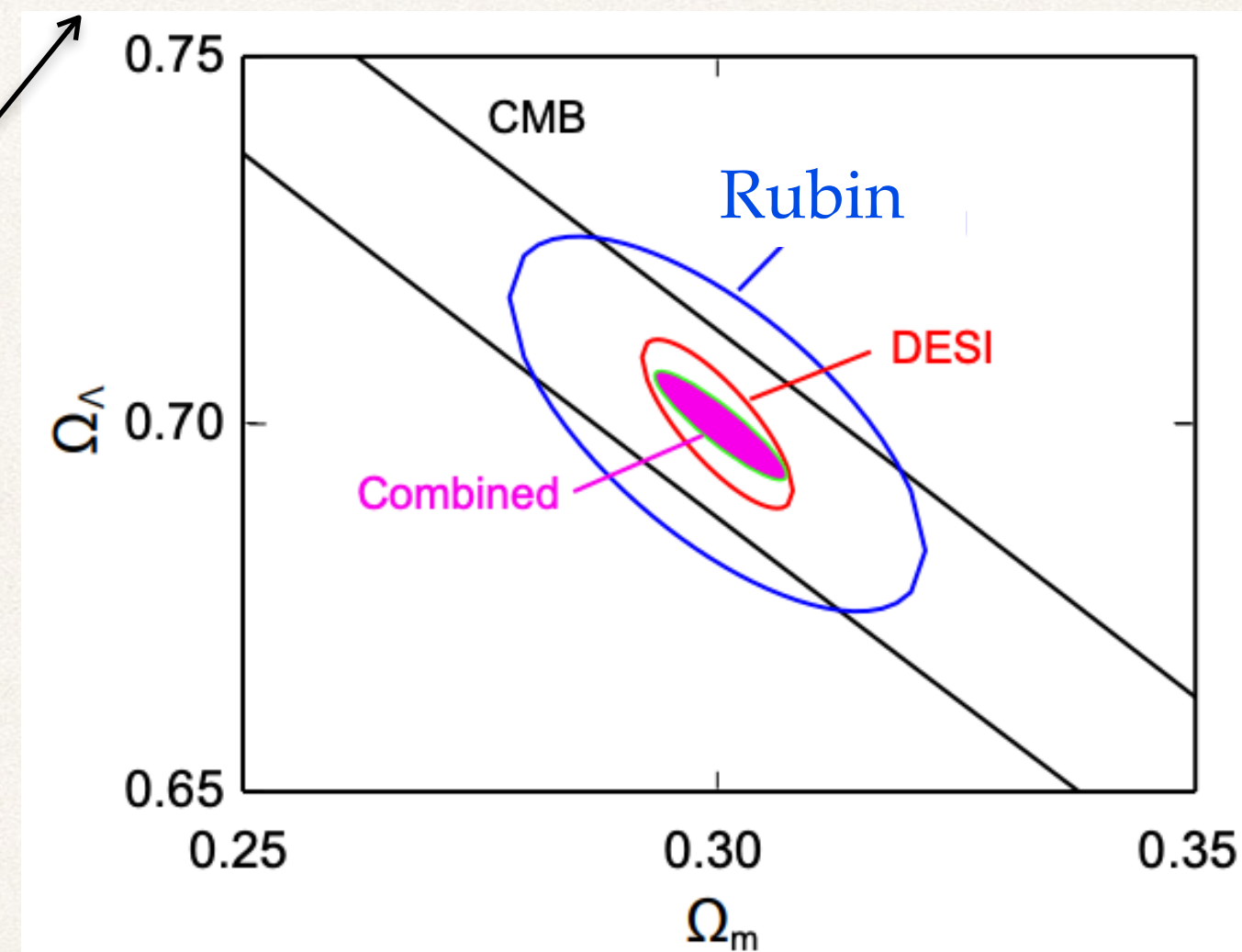
Andrina Nicola (AlfA) & Joe DeRose (LBNL)

## *The CMB*

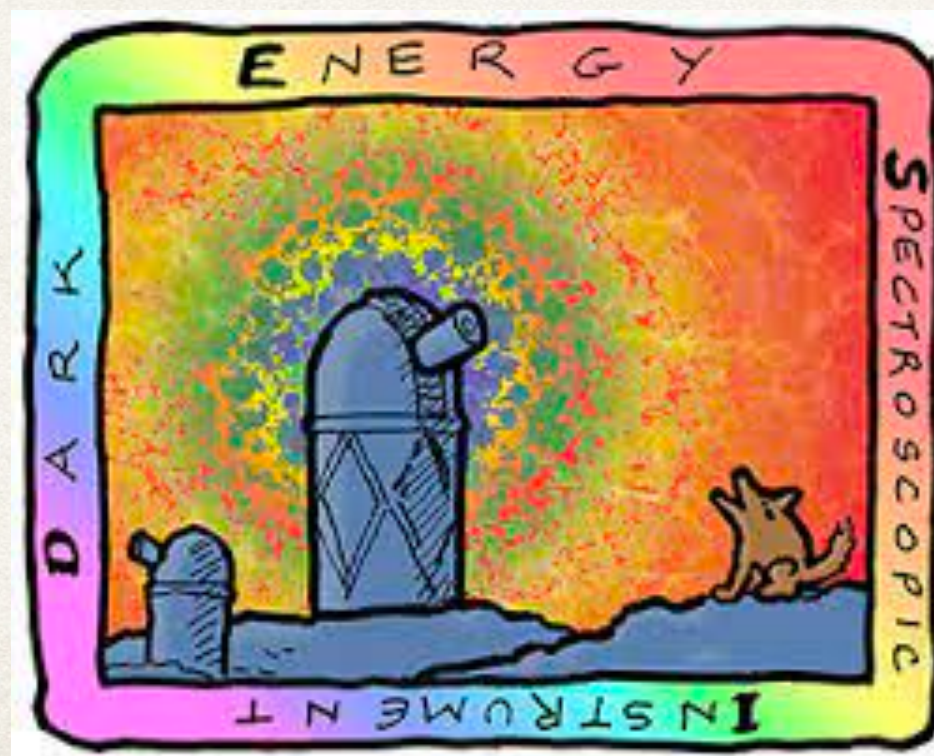


We currently lack the simulation capabilities required to take full advantage of cross-survey analyses.

We need to facilitate cross-talk and code sharing between collaborations and we need to train students and postdocs in techniques relevant to cross-survey work.



*Spectroscopy*



*Photometry*

