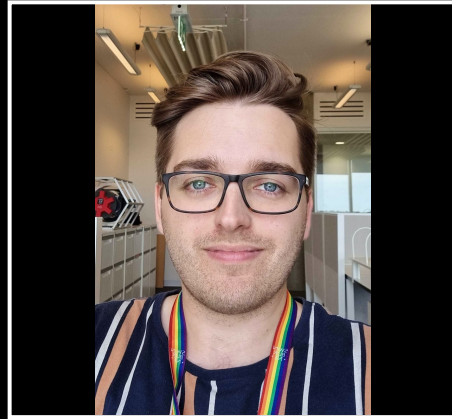


Cosmology Research Team



Chris Blake
(faculty)



Ryan Turner
(postdoc)



Agne Semenaite
(postdoc)



Sera Rauhut
(graduating PhD)



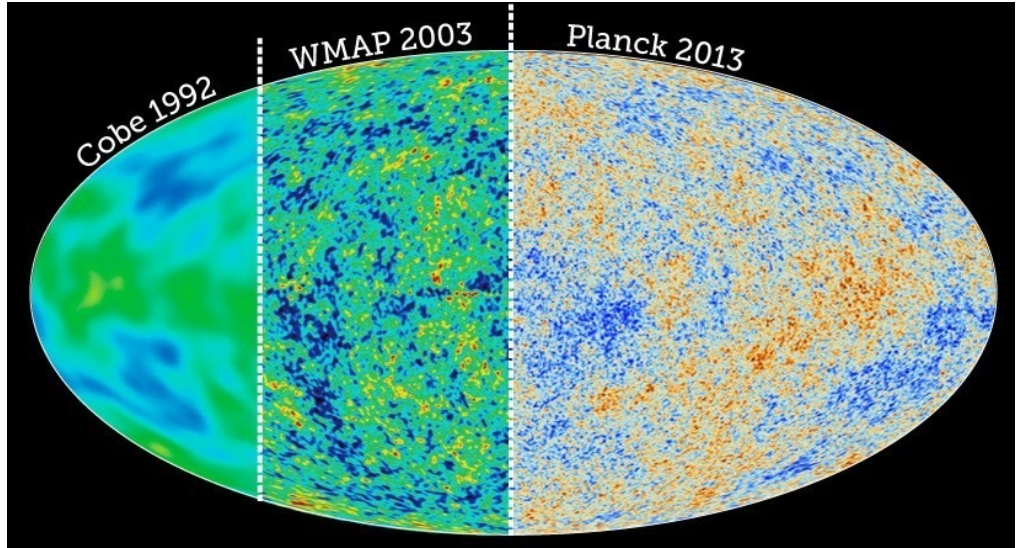
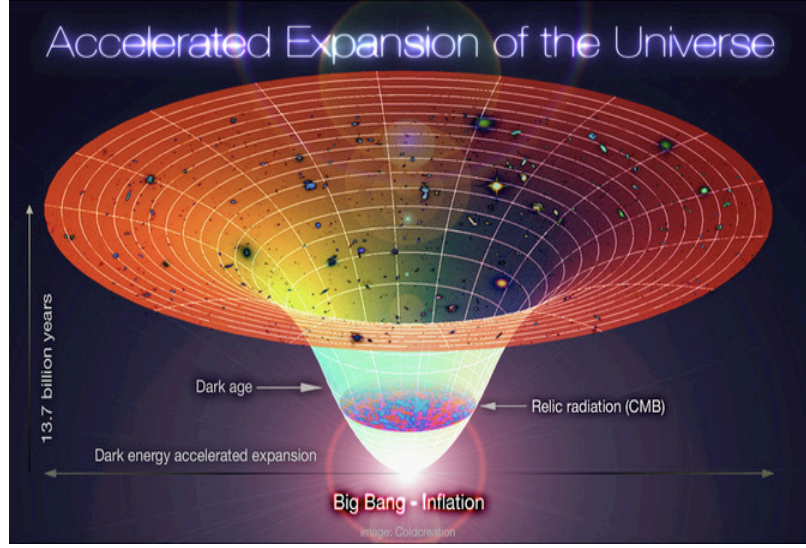
Stuart Lyall
(graduating PhD)



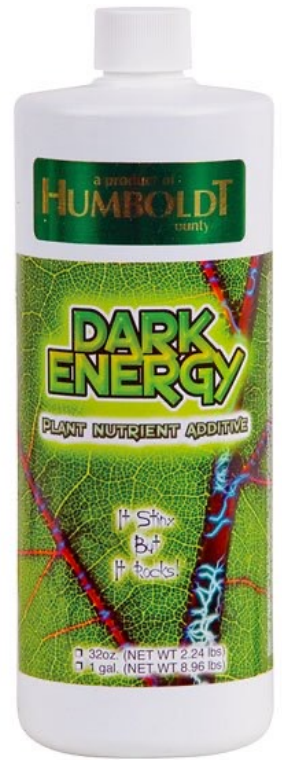
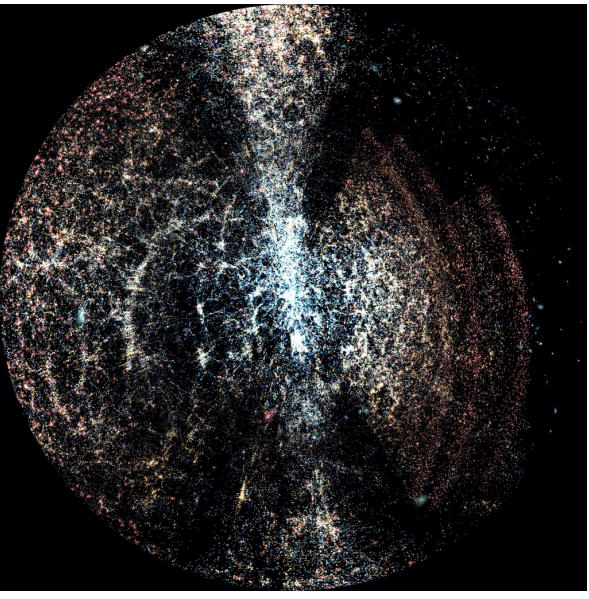
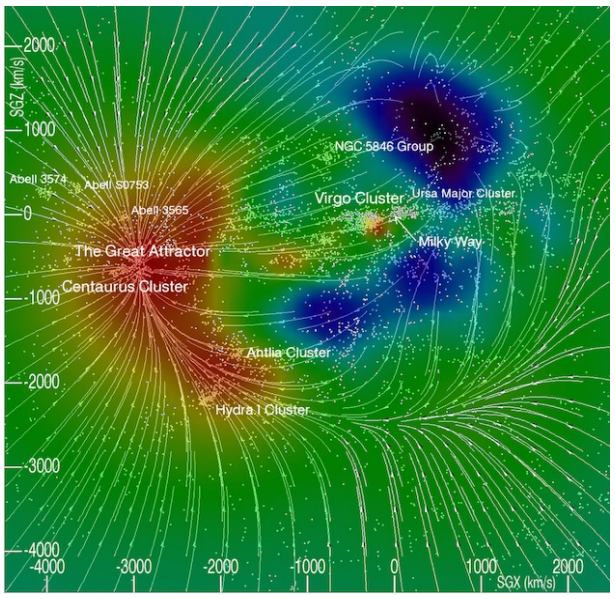
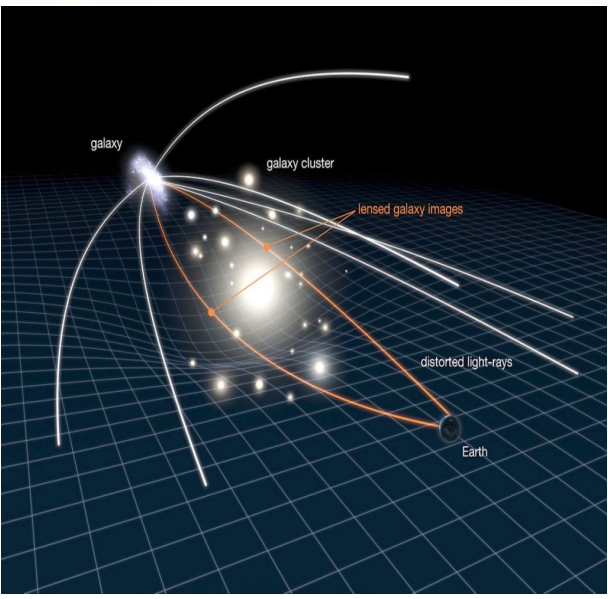
Nimas
(PhD student)



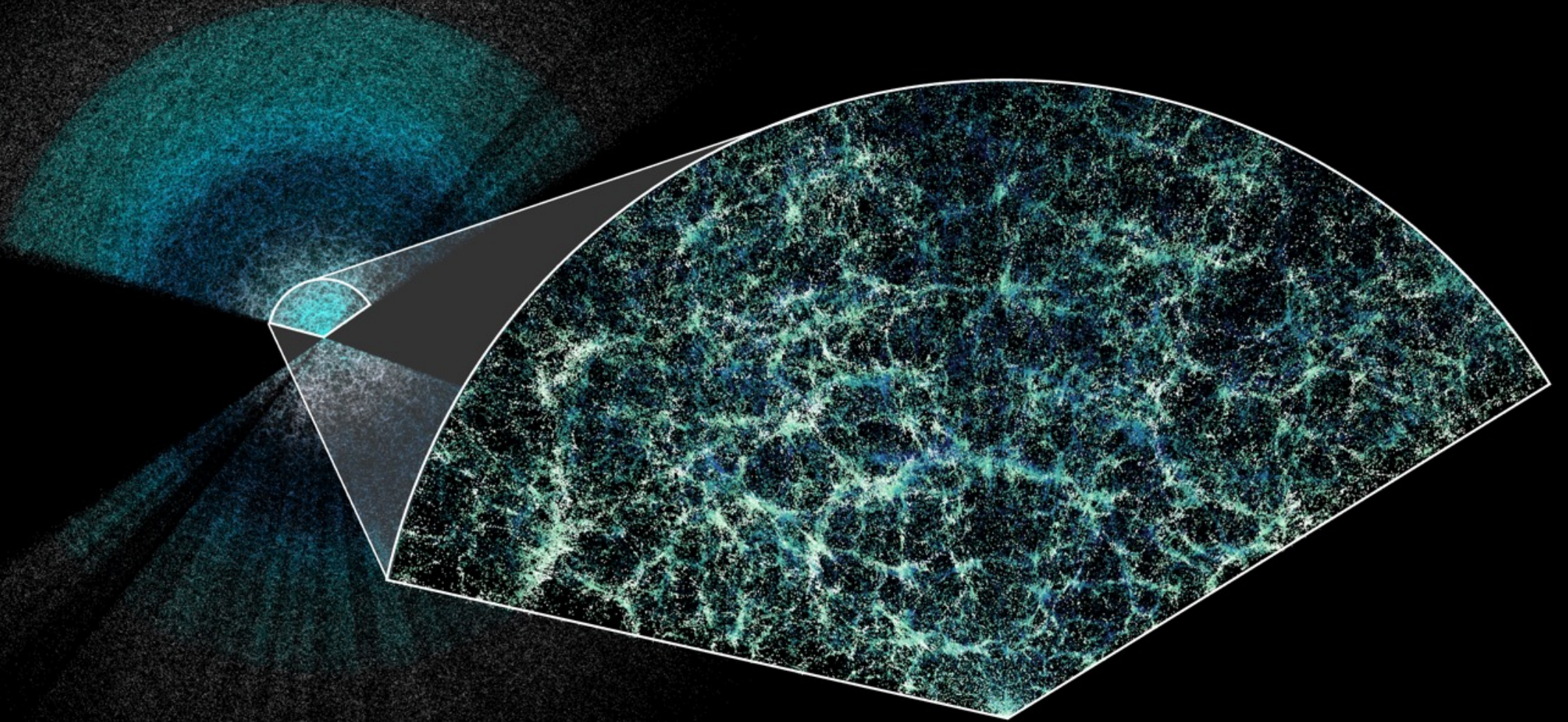
Andy Nguyen
(PhD student)



Do the laws of gravity measured in the solar system apply on cosmic scales?



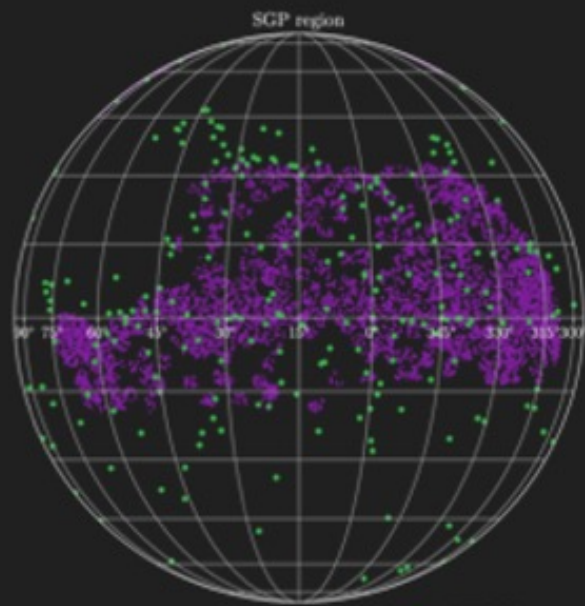
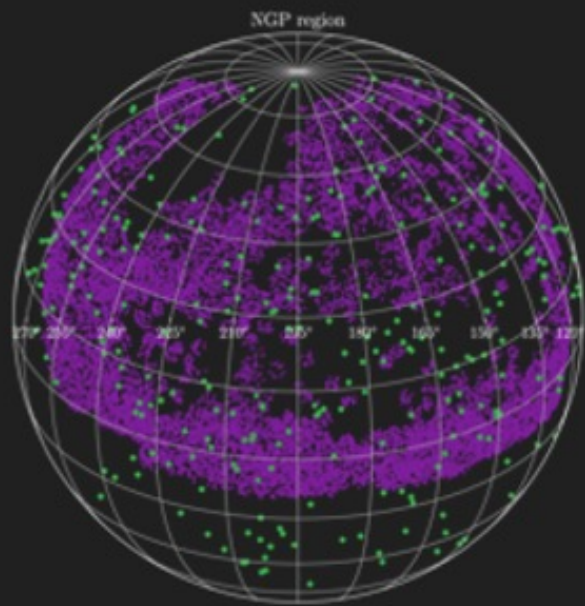
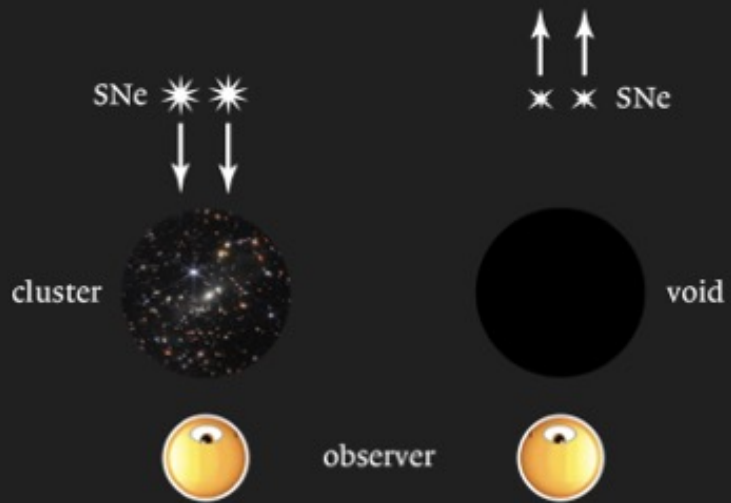
We apply statistics to large galaxy surveys to test cosmology!



We're members of the Dark Energy Spectroscopic Instrument (DESI) collaboration, which has measured more than 30 million spectroscopic redshifts...



DARK ENERGY
SPECTROSCOPIC
INSTRUMENT



DESI BGS
Pantheon+ SNe Ia



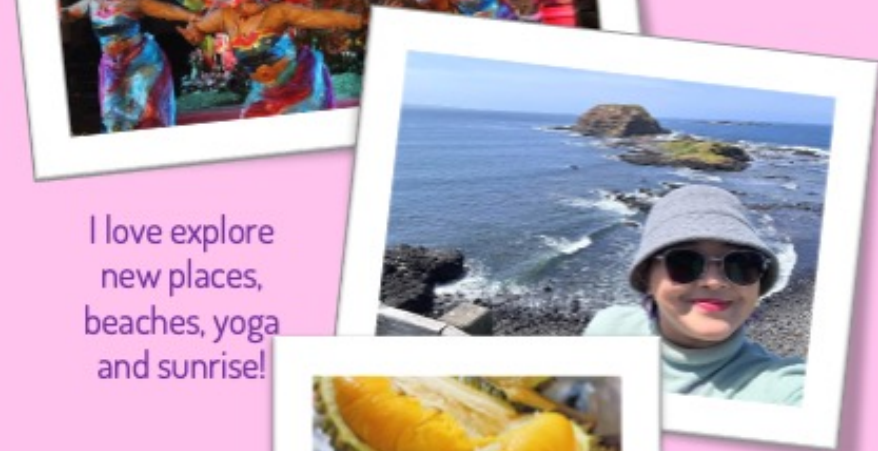
Nimas' Fun Fact

I am from Bali, Indonesia

Ps. Bali is not a country!



I love dancing!



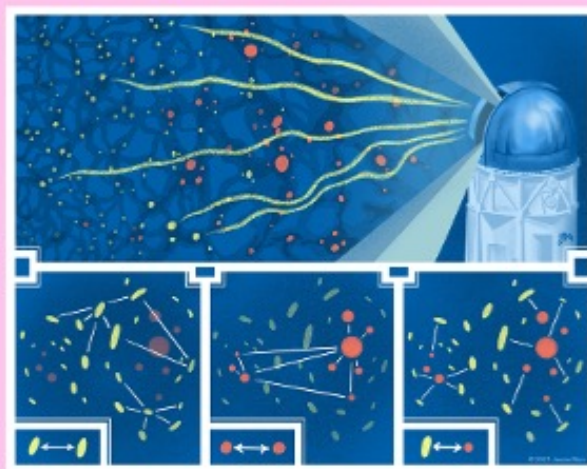
I love explore new places, beaches, yoga and sunrise!



Please invite me if you have durian!

Project during PhD

Testing cosmology with galaxy redshift and weak lensing surveys



Unveiling Melbourne: The Metro Journey



Aim: going to the end of the line on Melbourne Metro and exploring Melbourne by train.

This project is a collaboration with A. Fernandez (CAS), R. Respati (Monash U.) and D. Mulya (Unimelb).

We have finished 60% of the Metro Line. If we have time: Vline? Tram?

I'M OPEN FOR COLLABORATION!

Stuart Lyall



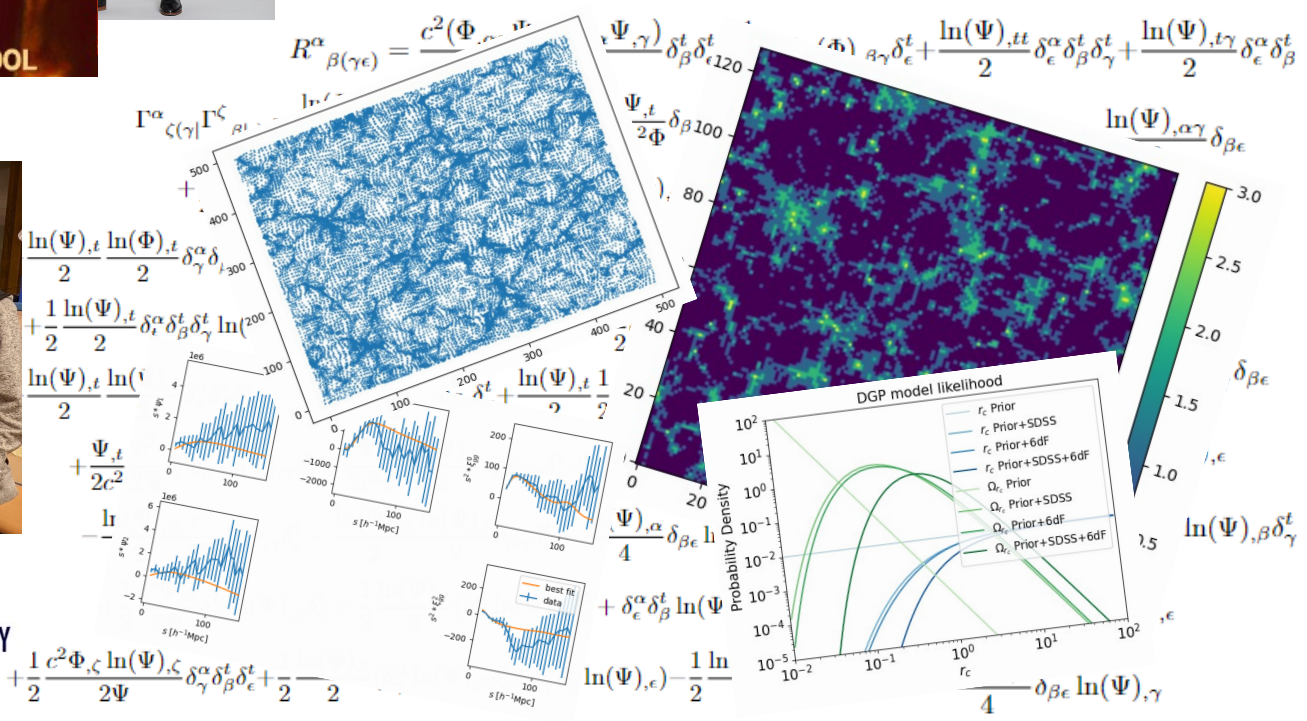
Melbourne

Jakarta

Broken Hill



MOUNT
BURNETT
OBSERVATORY



Agné

- * Postdoc in CAS since 2023
- * From Vilnius, Lithuania
- * Did my undergraduate in Edinburgh and PhD in Munich



Galaxy lensing in DESI



Pixie

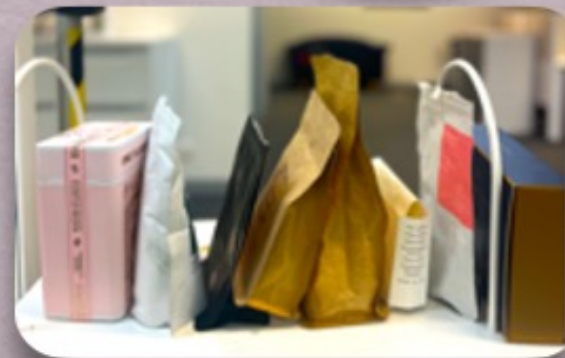


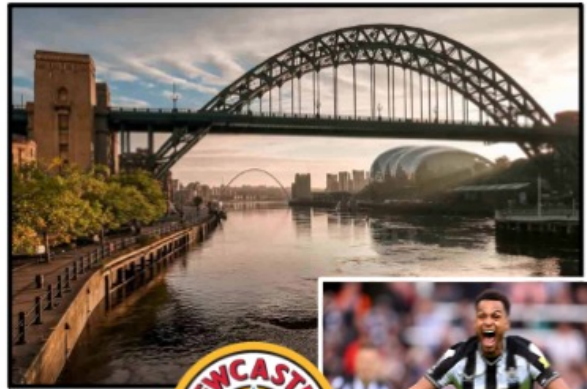
Cindy

Rowing



Coffee!

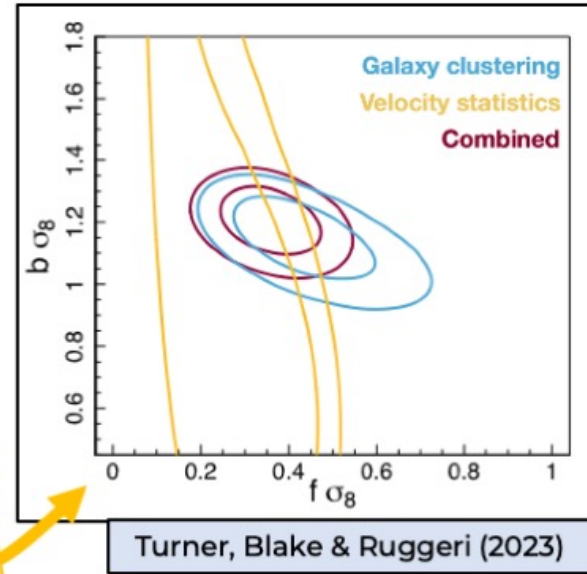




4



Measuring cosmological constants!



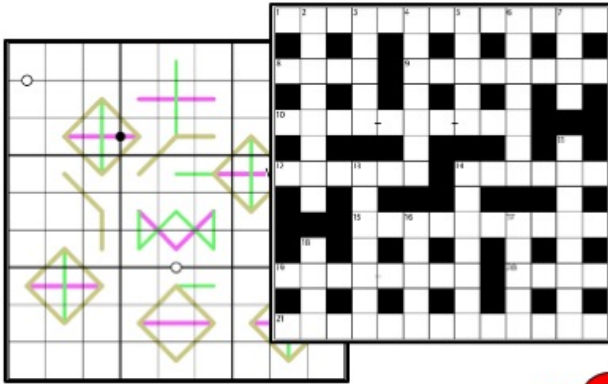
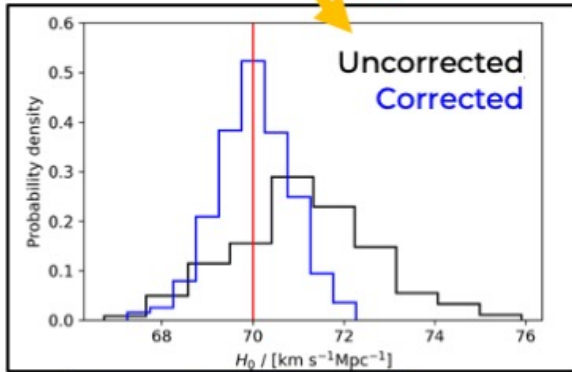
Improving velocity field reconstructions!



H₀!



Internationally recognized comedian!



x2



Personal history

- Born in Sheffield in Yorkshire, U.K.
- Lived in Sydney and Vancouver
- Worked at Swinburne since 2006!

CAS roles

- Undergraduate physics teaching
- Research in cosmology
- Now a member of OzGrav!

You will also find me:

- Recently starting music lessons for the first time in my life!
- At the chessboard, theatre and MCG



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