

Lucia Fonseca de la Bella

In the past...

- High-precision cosmology
- Theoretical predictions for the matter and halo power spectra

Keywords:

- Large-scale structure
- Effective Field Theory
- non-linear regime



In this Universe...

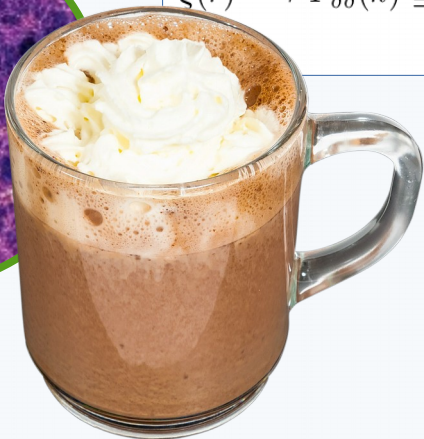
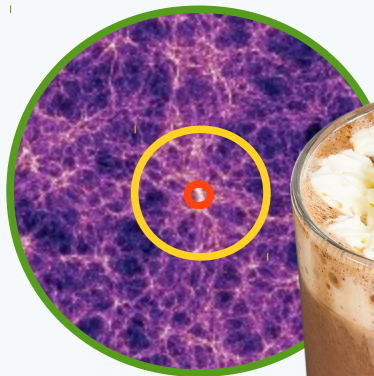
I am a theoretical cosmologist pretending to be an observational cosmologist

In a parallel universe...

I would be Whitney Houston and an astronaut

Interesting facts...

I have a twin sister and I love "Marmite@"



$$\xi(r) \rightarrow P_{\delta\delta}(k) \supseteq \int_{k_{IR}}^{k^*} d^3\mathbf{q} f(\mathbf{q}) g(\mathbf{q}, \mathbf{k}-\mathbf{q}) + \int_{k^*}^{k_{NL}} d^3\mathbf{q} f(\mathbf{q}) g(\mathbf{q}, \mathbf{k}-\mathbf{q}) = P_{1\text{ loop}}^{\text{SPT}}(k) + \underbrace{\frac{c_\delta^2}{k_{NL}^2}}_{\text{}} k^2 P_{\text{lin}}(k)$$

which means.... spend your whole PhD computing **loads of integrals** 😭

Currently... Post-doc - Sarah Bridle - Cosmology

Learning about **cosmic shear** and **photo-z's!**

