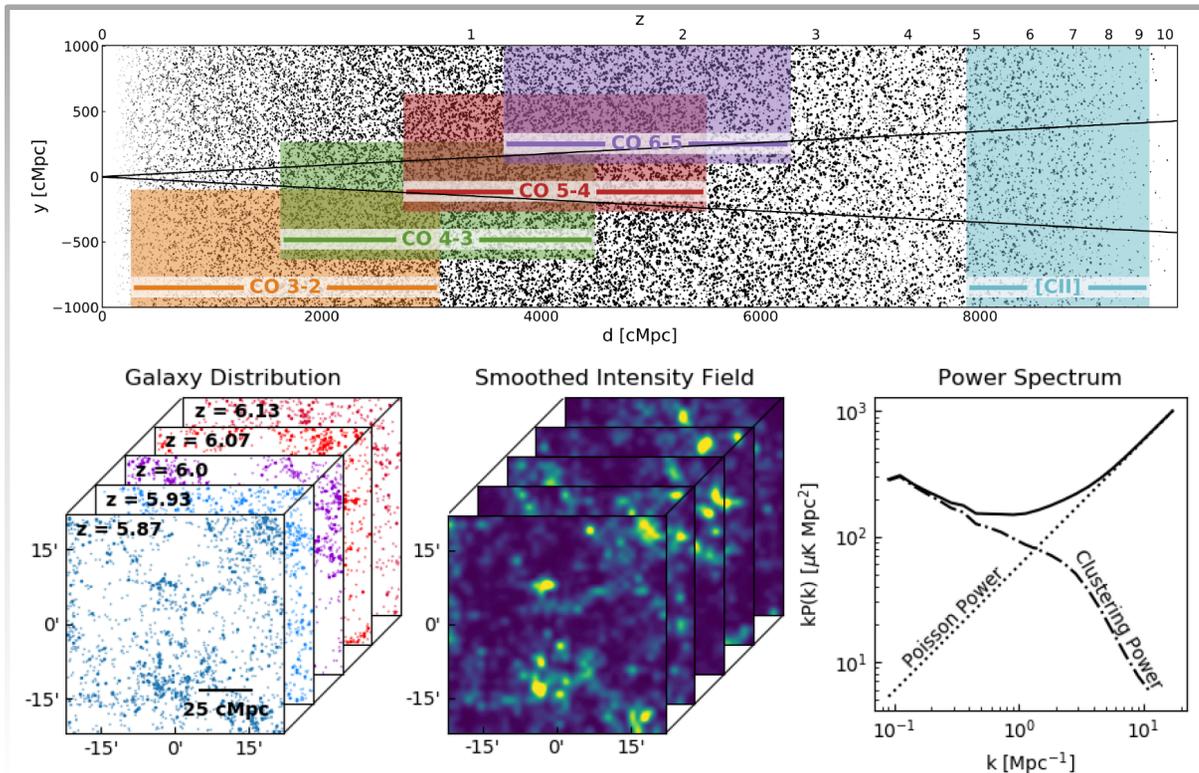


Line Intensity Mapping of [CII] Emission in the Early Universe

Guochao (Jason) Sun



- LIM: **3D analogy** of CMB measurements, but with redshift information!
- A method to probe large-scale structure **complementary** to galaxy surveys
- Study **multi-phase ISM** with **multi-tracer LIM**

Mysterious [CII] halos at $z \sim 6$

- How to better model them? (**CLOUDY**)
- Insights intensity mapping can offer?
 - Small-scale physics

