

Exploring the edge Contigiani, O.

Citation

Contigiani, O. (2022, January 26). *Exploring the edge*. Retrieved from https://hdl.handle.net/1887/3254432

Version:	Publisher's Version
License:	Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden
Downloaded from:	https://hdl.handle.net/1887/3254432

Note: To cite this publication please use the final published version (if applicable).

Propositions accompanying the thesis

Exploring the edge

- The boundaries of galaxy clusters can be measured using targeted weak lensing observations. (Chapter 2)
- 2. The impact of dark energy models on the dynamics of collapsing material is within the precision of current measurements. (Chapter 3)
- 3. The cosmic web shapes the edges of galaxy clusters. (Chapter 4)
- 4. Wide electromagnetic surveys are required to extract the most information from gravitational-wave observations. (Chapter 6)
- 5. There is a non-zero probability that the nature of the dark sector will always be a mystery.
- 6. In the era of precision cosmology, the exact numerical value of most cosmological parameters is unimportant.
- 7. (Semi-)analytical models are instrumental in understanding the dynamics of a system.
- 8. Science is a cultural product. The zeitgeist dictates its general interests, focus, and methods.
- 9. It is essential to advocate the value and beauty of the more fundamental sciences for them to remain relevant.
- 10. There are lessons to be learned from experts from all walks of life.

Omar Contigiani Leiden, November 2021