

Unveiling the nature of giant radio galaxies Dabhade, P.

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Propositions associated with the thesis

Unveiling the nature of giant radio galaxies

- 1. Often there is scope to extract new information from older surveys, especially when in combination with a new survey. [Chapter 2]
- Machine learning has still a long way to go before it can reliably morphologically classify all sources from large area radio surveys. [Chapter 3]
- 3. Large sky area optical spectroscopic surveys need to catch up with the radio surveys. [Chapter 3]
- 4. Giant radio galaxies are not as rare as thought previously. [Chapter 3, 4]
- 5. The extraordinary size of giant radio galaxies warrants it to be systematically studied. [Chapter 4]
- 6. Giant radio galaxies quench star formation. [Chapter 5]
- 7. Telescope time allocation committees should give time to observe sources without a solid identification.
- 8. PhD students should work on at least one project totally independently of their supervisor.
- 9. When it comes to art and science there is no substitute for human eyes.
- 10. Along with research, science popularisation is an important activity that every scientist should take up.

Pratik Dabhade Leiden, April 2021