A spectroscopic study of the high-redshift Universe

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Propositions

accompanying the dissertation

A spectroscopic study of the high-redshift Universe

1. Spectroscopy with a resolution of R>1000 is important to understand galaxy evolution (Chapters 2-6)

2. Gas outflows are important in high-redshift galaxies (Chapters 2,3,5)

3. The combination of gravitational lensing and integral-field spectroscopy is one made in heaven (Chapters 3-7)

4. Faint, low-mass Lyα emitters have young rapidly star-forming populations with properties as predicted in a scenario where low-mass galaxies reionised the Universe (Chapter 5)

5. Resonant scattering produces extended Lyα emission around a low-mass galaxy (Chapter 4)

6. Supernova Refsdal exploded in a pre-heated environment (Chapter 7)

7. One of the main factors determining the scientific return of an instrument is how well its observations can be supplemented by other instruments

8. Science Fiction offers more than simple entertainment

9. A lot of money is wasted by letting our smartest people deal with bureaucracy and grant applications

10. Crises are crucial for progress

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