

Journal Club: 2nd session: 4. Nov. 2019 16:30

Have a look at the following publication about identification of highest redshift galaxy

THE ASTROPHYSICAL JOURNAL, 819:129 (11pp), 2016 March 10
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arXiv:1603.00461

[doi:10.3847/0004-637X/819/2/129](https://doi.org/10.3847/0004-637X/819/2/129)



CrossMark

A REMARKABLY LUMINOUS GALAXY AT $Z = 11.1$ MEASURED WITH *HUBBLE SPACE TELESCOPE*
GRISM SPECTROSCOPY

- 1) How is the z-determination performed?
- 2) What is the origin of the Ly-alpha break?
- 3) How does light from nearby galaxies affect the determination?
- 4) Why are determined brightness and mass of this galaxy special?
- 5) What are the prospects of finding even younger galaxies?