Instructions and references for SP3176 Test (AY2024)

Date and time: Reading Week Wednesday 20 Nov 2024, 10:00 am – 12:00 pm

Venue: TBC

Instructions:

The object of interest for this test is [GN-z11](https://en.wikipedia.org/wiki/GN-z11), a galaxy *far far away*.

It was first detected using Hubble Space Telescope and now studied in detail by various groups using the James Webb Space Telescope.

For the test you will read a research article by Bunker et al., that showed us “[exquisite detail from GN-z11’s emission lines](https://www.nature.com/articles/s41550-023-02023-8)”.

**Questions for the test will be related to the main reference article as well related concepts covered in SP3176 The Universe.**

References

[1] A. Bunker et al. “JADES NIRSpec Spectroscopy of GN-z11: Lyman-α emission and possible enhanced nitrogen abundance in a z = 10.60 luminous galaxy”, Astronomy and Astrophysics **677**(A88) (2023).