

DAWN journal club history

anisotropela.dk/dawn/journal_club

2021

22 June

Meghana:

Bouwens et al, [Low-luminosity galaxies in the early universe have observed sizes similar to star cluster complexes](#)

Francesca:

Yue et al, [ALMA Observations of the Sub-kpc Structure of the Host Galaxy of a \$z=6.5\$ Lensed Quasar: A Rotationally-Supported Hyper-Starburst System at the Epoch of Reionization](#)

Moderator: Sune

31 May

1. TBD
2. TBD

Moderator: Seiji

12 Apr

1. Harvey+2021: *The impact of Self-Interacting Dark Matter on the Intrinsic Alignments of Galaxies*, presented by Axel Widmark, <https://arxiv.org/pdf/2104.02093.pdf>
2. Awaiting responses

22 Mar

- Stefanon+21: "Blue Rest-Frame UV-Optical Colors in $z\sim 8$ Galaxies from GREATS: Very Young Stellar Populations at ~ 650 Myr of Cosmic Time", <https://arxiv.org/pdf/2103.06279> , presented by Gabe.
- Sommovigo+21: "Dust temperature in ALMA [CII]-detected high- z galaxies", <https://arxiv.org/pdf/2102.08950> , presented by Thomas.

Moderator: Clara

15 Mar

1. Nelson+2021 — Spatially Resolved Star Formation and Inside-out Quenching in the TNG50 Simulation and 3D-HST Observations

Georgios; <https://arxiv.org/abs/2101.12212>

2. Hashemizadeh+2021 — Deep Extragalactic Visible Legacy Survey (DEVILS): Stellar Mass Growth by Morphological Type since $z=1$

John; <https://arxiv.org/abs/2102.13377>

Moderator: Malte

8 Mar

Gabe : On the story, an update, and the final words on the proposed $z\sim 11$ flash from a GRB: <https://arxiv.org/abs/2102.13164>

Vasily : Galaxy And Mass Assembly (GAMA): The inferred mass–metallicity relation from $z = 0$ to 3.5 via forensic SED fitting : <https://arxiv.org/pdf/2102.11514.pdf>

Moderator: Lise

1 Mar:

No journal club

22 Feb

Moderator: Lijie

15 Feb

Kate: Livet+2021 — [Catalog-free modeling of galaxy types in deep images](#)

Iary: Trenti+2007 — [Cosmic Variance and Its Effect on the Luminosity Function Determination in Deep High \$z\$ Surveys](#)

Moderator: John

8 Feb

No journal club

1 Feb

Nikki: Bayer+21 : [HOLISMOKES -- V. Microlensing of type II supernovae and time-delay inference through spectroscopic phase retrieval](#)

Clara: Hamed+21 : [Multiwavelength dissection of a massive heavily dust-obscured galaxy and its blue companion at \$z \sim 2\$](#)

Moderator: Iary

25 Jan

Vasily: Sun+21 [ALMA 1.3 mm Survey of Lensed Submillimeter Galaxies \(SMGs\) Selected by Herschel: Discovery of Spatially Extended SMGs and Implications](#)

Vadim: Suess+2021 [Dissecting the size-mass and \$\Sigma 1\$ -mass relations at \$1.0 < z < 2.5\$: galaxy mass profiles and color gradients as a function of spectral shape](#)

Moderator: Georgios

18 Jan

No journal club

11 Jan

Pascal: Bowler et al. [The rapid transition from star-formation to AGN dominated rest-frame UV light at \$z \sim 4\$](#)

Seiji: Izumi et al. [Subaru High- \$z\$ Exploration of Low-Luminosity Quasars \(SHELLQs\) XII. Extended \[C II\] Structure \(Merger or Outflow\) in a \$z = 6.72\$ Red Quasar](#)

Moderator: Gabe

2020

14 Dec

Francesca: [Ubiquitous Molecular Outflows in \$z > 4\$ Massive, Dusty Galaxies I.](#)

[Sample Overview and Clumpy Structure in Molecular Outflows on 500pc Scales](#)

(Spilker+20)

Moderator: Francesco

7 Dec

Malte: Lotz et al., [Rise and fall of post-starburst galaxies in Magneticum Pathfinder](#)

Axel: Loubser et al., [Dynamical masses of brightest cluster galaxies II: constraints on the stellar IMF](#)

Moderator: Meghana

30 Nov

Iary: Reichers et al., [Rise of the Titans: Gas Excitation and Feedback in a Binary Hyper-Luminous Dusty Starburst Galaxy at \$z \sim 6\$](#)

Moderator: Peter L

23 Nov

No journal club because of JWST deadline

16 Nov

Zoe: Ansari et al., [Mixture Models for Photometric Redshifts](#)

Sandra: Williams et al., [The black hole mass of the \$z=2.805\$ multiply imaged quasar SDSS J2222+2745 from velocity-resolved time lags of the CIV emission line](#)

Moderator: Anne

09 Nov

John: Rhodes et al. [“The End of Galaxy Surveys”](#)

Darach: Priestley et al. [“Revisiting the dust destruction efficiency of supernovae”](#)

Moderator: Vasily

02 Nov

Seiji: Novak et al., [No evidence for \[CII\] halos or high-velocity outflows in \$z > 6\$ quasar host galaxies](#)

Kate: Graaf et al., [Tightly coupled morpho-kinematic evolution for massive star-forming and quiescent galaxies across 7 Gyr of cosmic time](#)

Moderator: Thomas

26 Oct

Francesco: Esdaile et al., [Confirmation of stellar masses and potential light IMF in massive quiescent galaxies at \$3 < z < 4\$ using velocity dispersions measurements with MOSFIRE](#)

Iary: Snellen et al., [Re-analysis of the 267-GHz ALMA observations of Venus](#)

Moderator: Sune

19 Oct

John: Bluck et al., [How do central and satellite galaxies quench? -- Insights from spatially resolved spectroscopy in the MaNGA survey](#)

Anne: Rodriguez-Ardila et al., [A novel black-hole mass scaling relation based on Coronal lines and supported by accretion predictions](#)

Moderator: Sandra

Comments:

From Francesco to Everyone:

Past work on strangulation as quenching mechanism in local galaxies (SDSS), including satellite/centrals:

<https://ui.adsabs.harvard.edu/abs/2015Natur.521..192P/abstract> (Not spatially resolved)

12 Oct

Nina: Morishita et al., [SuperBoRG: Exploration of point sources at \$z \sim 8\$ in HST parallel fields](#)

Lijie: Lihawi et al., [ALMaQUEST - IV. The Alma-Manga Quenching And Star Formation \(Almaquest\) Survey](#)

Moderator: Steven

5 Oct

Postponed: ~~Nina: Morishita et al.,~~ [SuperBoRG: Exploration of point sources at \$z \sim 8\$ in HST parallel fields](#)

Georgios: Walter et al., [The Evolution of the Baryons Associated with Galaxies Averaged over Cosmic Time and Space](#)

Moderator: Seiji

Comments:

Lise Bech Christensen : All this was known 20 years ago. So whats new?

Johan Peter Uldall Fynbo : :-). Maybe that the numbers starts to match roughly?

Lise Bech Christensen : well, yes - create more HI and the numbers will match :)

Francesco : On the arXiv today:

Francesco : <https://arxiv.org/abs/2010.00609v1>

Francesco : About the effect of cosmic variance on the LF and ρ_{H2}

28 Sep

Clara: Wagg et al., [Observations of \[O\]63micron line emission in main-sequence galaxies at \$z \sim 1.5\$](#)

Steven: Vanzella et al., [The MUSE Deep Lensed Field on the Hubble Frontier Field MACS J0416](#)

Moderator: Peter L.