Johannes Zabl — Publication list

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Refereed (including submitted papers that are posted on arXiv)

- Y. Asada, M. Sawicki, G. Desprez, 13 others, and **J. Zabl**, "JWST catches the assembly of a $z \sim 5$ ultra-low-mass galaxy," *MNRAS*, vol. 523, pp. L40–L45, July 2023.
- I. Langan, **J. Zabl**, N. F. Bouché, and 12 others, "MusE GAs FLOw and Wind (MEGAFLOW) IX. The impact of gas flows on the relations between the mass, star formation rate, and metallicity of galaxies," *MNRAS*, vol. 521, pp. 546–557, May 2023.
- M. Akhshik, K. E. Whitaker, J. Leja, 16 others, and **J. Zabl**, "REQUIEM-2D: A Diversity of Formation Pathways in a Sample of Spatially Resolved Massive Quiescent Galaxies at z 2," *ApJ*, vol. 943, p. 179, Feb. 2023.
- L. Mowla, K. G. Iyer, G. Desprez, 15 others, and **J. Zabl**, "The Sparkler: Evolved High-redshift Globular Cluster Candidates Captured by JWST," *ApJ*, vol. 937, p. L35, Oct. 2022.
- F. Leclercq, A. Verhamme, B. Epinat, 6 others, **J. Zabl**, and 14 others, "The MUSE eXtremely deep field: first panoramic view of an Mg II emitting intragroup medium," *A&A*, vol. 663, p. A11, July 2022.
- C. J. Willott, R. Doyon, L. Albert, G. B. Brammer, 24 others, and **J. Zabl**, "The Near-infrared Imager and Slitless Spectrograph for the James Webb Space Telescope. II. Wide Field Slitless Spectroscopy," *PASP*, vol. 134, p. 025002, Feb. 2022.
- S. Muzahid, J. Schaye, S. Cantalupo, 6 others, and **J. Zabl**, "MUSEQuBES: characterizing the circumgalactic medium of redshift ≈3.3 Ly α emitters," *MNRAS*, vol. 508, pp. 5612–5637, Dec. 2021.
- **J. Zabl**, N. F. Bouché, L. Wisotzki, and 11 others, "MusE GAs FLOw and Wind (MEGAFLOW) VIII. Discovery of a MgII emission halo probed by a quasar sightline," *MNRAS*, vol. 507, pp. 4294–4315, Nov. 2021.
- I. Schroetter, N. F. Bouché, **J. Zabl**, and 7 others, "MusE GAs FLOw and Wind (MEGAFLOW) VI. A study of C IV and Mg II absorbing gas surrounding [O II] emitting galaxies," *MNRAS*, vol. 506, pp. 1355–1363, Sept. 2021.
- A. W. S. Man, **J. Zabl**, G. B. Brammer, and 6 others, "An Exquisitely Deep View of Quenching Galaxies through the Gravitational Lens: Stellar Population, Morphology, and Ionized Gas," *ApJ*, vol. 919, p. 20, Sept. 2021.
- J. Shen, A. W. S. Man, **J. Zabl**, and 5 others, "Molecular Gas in a Gravitationally Lensed Galaxy Group at z = 2.9," *ApJ*, vol. 917, p. 79, Aug. 2021.
- M. Wendt, N. F. Bouché, **J. Zabl**, and 2 others, "MusE GAs FLOw and Wind V. The dust/metallicity-anisotropy of the circum-galactic medium," *MNRAS*, vol. 502, pp. 3733–3745, Apr. 2021.
- R. Bacon, D. Mary, T. Garel, 27 others, **J. Zabl**, and 1 other, "The MUSE Extremely Deep Field: The cosmic web in emission at high redshift," *A&A*, vol. 647, p. A107, Mar. 2021.
- J. Freundlich, N. F. Bouché, T. Contini, 1 other, **J. Zabl**, and 3 others, "MusE GAs FLOw and wind (MEGAFLOW) VII. A NOEMA pilot program to probe molecular gas in galaxies with measured circumgalactic gas flows," *MNRAS*, vol. 501, pp. 1900–1910, Feb. 2021.

- M. Stockmann, I. Jørgensen, S. Toft, 11 others, and **J. Zabl**, "The Fundamental Plane of Massive Quiescent Galaxies at z $\sim$ 2," *ApJ*, vol. 908, p. 135, Feb. 2021.

- S. Muzahid, J. Schaye, R. A. Marino, 5 others, **J. Zabl**, and 11 others, "MUSEQuBES: calibrating the redshifts of Ly α emitters using stacked circumgalactic medium absorption profiles," *MNRAS*, vol. 496, pp. 1013–1022, May 2020.

- **J. Zabl**, N. F. Bouché, I. Schroetter, and 8 others, "MusE GAs FLOw and Wind (MEGAFLOW) IV. A two sightline tomography of a galactic wind," *MNRAS*, vol. 492, pp. 4576–4588, Mar 2020.

- S. Harish, A. Coughlin, J. E. Rhoads, 8 others, **J. Zabl**, and 10 others, "A Comprehensive Study of Hα Emitters at z $\sim$ 0.62 in the DAWN Survey: The Need for Deep and Wide Regions," *ApJ*, vol. 892, p. 30, Mar. 2020.

- V. Tilvi, S. Malhotra, J. E. Rhoads, 10 others, **J. Zabl**, and 3 others, "Onset of Cosmic Reionization: Evidence of an Ionized Bubble Merely 680 Myr after the Big Bang," *ApJ*, vol. 891, p. L10, Mar. 2020.

- L. Ciesla, M. Béthermin, E. Daddi, 8 others, **J. Zabl**, and 14 others, "A hyper luminous starburst at z = 4.72 magnified by a lensing galaxy pair at z = 1.48," *A&A*, vol. 635, p. A27, Mar. 2020.

- F. Valentino, M. Tanaka, I. Davidzon, 18 others, and **J. Zabl**, "Quiescent Galaxies 1.5 Billion Years after the Big Bang and Their Progenitors," *ApJ*, vol. 889, p. 93, Feb 2020.

- M. Stockmann, S. Toft, A. Gallazzi, 3 others, **J. Zabl**, and 20 others, "X-shooter Spectroscopy and HST Imaging of 15 Massive Quiescent Galaxies at z $\gtrsim$ 2," *ApJ*, vol. 888, p. 4, Jan 2020.

- I. Schroetter, N. F. Bouché, **J. Zabl**, and 11 others, "MusE GAs FLOw and Wind (MEGAFLOW) - III. Galactic wind properties using background quasars," *MNRAS*, vol. 490, pp. 4368–4381, Dec 2019.

- M. Tanaka, F. Valentino, S. Toft, 12 others, and **J. Zabl**, "Stellar Velocity Dispersion of a Massive Quenching Galaxy at z = 4.01," *ApJ*, vol. 885, p. L34, Nov 2019.

- G. de La Vieuville, D. Bina, R. Pello, 11 others, **J. Zabl**, and 9 others, "Faint end of the z$\sim$3-7 luminosity function of Lyman-alpha emitters behind lensing clusters observed with MUSE," *A&A*, vol. 628, p. A3, Aug 2019.

- **J. Zabl**, N. F. Bouché, I. Schroetter, and 10 others, "MusE GAs FLOw and Wind (MEGAFLOW) II. A study of gas accretion around z $\approx$ 1 star-forming galaxies with background quasars," *MNRAS*, vol. 485, pp. 1961–1980, May 2019.

- L. A. Boogaard, J. Brinchmann, N. Bouché, 17 others, and **J. Zabl**, "The MUSE Hubble Ultra Deep Field Survey. XI. Constraining the low-mass end of the stellar mass - star formation rate relation at z ¡ 1," *A&A*, vol. 619, p. A27, Nov 2018.

- N. R. Tanvir, T. Laskar, A. J. Levan, one other, **J. Zabl**, and 35 others, "The Properties of GRB 120923A at a Spectroscopic Redshift of z $\approx$ 7.8," *ApJ*, vol. 865, p. 107, Oct 2018.

- A. Verhamme, T. Garel, E. Ventou, 22 others, and **J. Zabl**, "Recovering the systemic redshift of galaxies from their Lyman alpha line profile," *MNRAS*, vol. 478, pp. L60–L65, Jul 2018.

- A. Coughlin, J. E. Rhoads, S. Malhotra, 13 others, and **J. Zabl**, "Hα Emitting Galaxies at $z \sim 0.6$ in the Deep And Wide Narrow-band Survey," *ApJ*, vol. 858, p. 96, May 2018.

- H. Ebeling, M. Stockmann, J. Richard, **J. Zabl**, and three others, "Thirty-fold: Extreme Gravitational Lensing of a Quiescent Galaxy at z=1.6," *ApJ*, vol. 852, p. L7, Jan. 2018.

- S. Toft, **J. Zabl**, J. Richard, and 10 others, "A massive, dead disk galaxy in the early Universe," *Nature*, vol. 546, pp. 510–513, June 2017.

- K. E. Heintz, J. P. U. Fynbo, 2 others, **J. Zabl**, and 6 others, "Determining the fraction of reddened quasars in COSMOS with multiple selection techniques from X-ray to radio wavelengths," *A&A*, vol. 595, p. A13, Oct. 2016.
- **J. Zabl**, W. Freudling, P. Møller, and five others, "Method for improving line flux and redshift measurements with narrowband filters," *A&A*, vol. 590, p. A66, May 2016.
- C. Laigle, H. J. McCracken, O. Ilbert, 27 others, and **J. Zabl**, "The COSMOS2015 Catalog: Exploring the $1 < z < 6$ Universe with Half a Million Galaxies," *ApJS*, vol. 224, p. 24, June 2016.
- **J. Zabl**, H. U. Nørgaard-Nielsen, J. P. U. Fynbo, and three others, "Deep rest-frame far-UV spectroscopy of the giant Lyman α emitter 'Himiko'," *MNRAS*, vol. 451, pp. 2050–2070, Aug. 2015.
- I. Kochiashvili, P. Møller, Milvang-Jensen, 5 others, **J. Zabl**, and one other, "Emission-line-selected galaxies at $z = 0.6$-2 in GOODS South: Stellar masses, SFRs, and large-scale structure," *A&A*, vol. 580, p. A42, Aug. 2015.
- B. Milvang-Jensen, W. Freudling, **J. Zabl**, and 9 others, "On-sky characterisation of the VISTA NB118 narrow-band filters at 1.19 μm," *A&A*, vol. 560, p. A94, Dec. 2013.
- H. J. McCracken, B. Milvang-Jensen, J. Dunlop, M. Franx, 16 others, and **J. Zabl**, "UltraVISTA: a new ultra-deep near-infrared survey in COSMOS," *A&A*, vol. 544, p. A156, Aug. 2012.

Not Refereed

- H. J. McCracken, B. Milvang-Jensen, J. Dunlop, 19 others, and **J. Zabl**, "UltraVISTA: A VISTA Public Survey of the Distant Universe," *The Messenger*, vol. 154, pp. 29–31, Dec. 2013.

Press releases for papers with major contribution

- for: Zabl et al. 2021
  - `https://www.cnrs.fr/en/press/part-universes-missing-matter-found-thanks-muse-instrument`
- for: Toft S, Zabl J, et al. 2017
  - `https://hubblesite.org/contents/news-releases/2017/news-2017-26.html`
  - `http://www.irap.omp.eu/actualites/actu-galaxies4` (French)
- for: Ebeling H, Stockmann M, Richard J, Zabl J, et al. 2018
  - `http://www.ifa.hawaii.edu/info/press-releases/eMACSJ1341/`

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