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PUBLICATIONS (65 ACCEPTED), ADS LIBRARY

Refereed publications as first author: 8 accepted

- 8) **N.T. Kurtovic**, S. Grant, M. Temmink, et al., **2025b**, A&A, accepted, arXiv:2508.02576 "MINDS. Young binary systems with JWST/MIRI: Variable water-rich primaries and extended emission"
- 7) **N.T. Kurtovic**, M. Gárate, P. Pinilla, et al., **2025a**, ApJ, 989, 6. "The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). VI. Comparison of Dust Evolution Models to AGE-PRO Observations"
- 6) **N.T. Kurtovic**, S. Facchini, M. Benisty, et al., **2024c**, A&A, 692, A155. "Binary orbit and disks properties of the RW Aur system using ALMA observations"
- 5) **N.T. Kurtovic**, P. Pinilla, **2024b**, A&A, 687, A188. "Recovering the gas properties of protoplanetary disks through parametric visibility modeling: MHO 6"
- 4) **N.T. Kurtovic**, **2024a**, JOSS, 9, 4942. "SIMIO-continuum: Connecting simulations to interferometric observations",
- 3) **N.T. Kurtovic**, P. Pinilla, A. B. T. Penzlin, et al., **2022**, A&A, 645, A139. "The morphology of CS Cha circumbinary disk suggesting the existence of a Saturn-mass planet"
- 2) **N.T. Kurtovic**, P. Pinilla, M. Benisty, et al., **2021**, A&A, 645, A139. "Size and Structures of Disks around Very Low Mass Stars in the Taurus Star-Forming Region"
- 1) **N.T. Kurtovic**, L.M. Pérez, M. Benisty, et al., **2018**, ApJL, 869, L44. "The Disk Substructures at High Angular Resolution Project (DSHARP). IV. Characterizing Substructures and Interactions in Disks around Multiple Star Systems"

Refereed papers as second, third, fourth author, or with significant contributions: 22 accepted

- 22) L. Trapman, M. Vioque, **N. T. Kurtovic**, et al., (2025), ApJ, 989, 10. "The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). XI. Beam-corrected Gas Disk Sizes from Fitting ¹²CO Moment Zero Maps"
- 21) M. Vioque, **N.T. Kurtovic**, L. Trapman, et al., (2025), ApJ, 989, 9. "The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). X. Dust Substructures, Disk Geometries, and Dust-disk Radii"
- 20) K. Zhang, L.M. Pérez, I. Pascucci, et al., incl. **N.T. Kurtovic**, (2025), ApJ, 989, 1. "The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). I. Program Overview and Summary of First Results"
- 19) A. Santamaría-Miranda, P. Curone, L.M. Pérez, **N.T. Kurtovic**, et al., (2025), ApJL, 986, L11.
- "Hints of Disk Substructure in the First Brown Dwarf with a Dynamical Mass Constraint"
- 18) G. Perotti, **N.T. Kurtovic**, T. Henning, et al., (2025), arXiv, arXiv:2504.11424. "MINDS. Anatomy of a water-rich, inclined, brown dwarf disk: lack of abundant hydrocarbons"
- 17) M. Vlasblom, M. Temmink, S. Grant, **N.T. Kurtovic**, et al., (2025), A&A, 693, A278. "MINDS. JWST-MIRI reveals a peculiar CO₂-rich chemistry in the drift-dominated disk CX Tau"
- 16) S. Das, **N.T. Kurtovic**, and M. Flock, (2024), A&A, 689, A104. "From traffic jams to roadblocks: The outer regions of TW Hya with ALMA Band 8"
- 15) S.L. Grant, **N.T. Kurtovic**, E.F. van Dishoeck, et al., (2024), A&A, 689, A85. "MINDS: A multi-instrument investigation into the molecule-rich JWST-MIRI spectrum of the DF Tau binary system"
- 14) A. Derkink, C. Ginski, P. Pinilla, **N.T. Kurtovic**, et al., (2024), A&A, 688, A149. "Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINYS): PDS 111, an old T Tauri star with a young-looking disk"
- 13) J. Dietrich, D. Apai, M. Schlecker, K.K. Hardegree-Ullman, B.V. Rackham, **N.T. Kurtovic**, et al., (2023), AJ, 165, 149.
- "EDEN Survey: Small Transiting Planet Detection Limits and Constraints on the Occurrence Rates of Planets around Late-M Dwarfs within 15 pc"
- 12) L. Flores-Rivera, M. Flock, **N.T. Kurtovic**, et al., (2023), A&A, 670, A126. "Forbidden emission lines in protostellar outflows and jets with MUSE"
- 11) J. Stadler, M. Benisty, A. Izquierdo, S. Facchini, R. Teague, **N.T. Kurtovic**, et al., (2023), A&A, 670, L1.
- "A kinematically detected planet candidate in a transition disk"

- 10) P. Weber, S. Pérez, G. Guidi, **N.T. Kurtovic**, et al., (2023), MNRAS, 518, 5620. "The SPHERE view of three interacting twin disc systems in polarized light"
- 9) P. Pinilla, M. Benisty, **N.T. Kurtovic**, et al., (2022), A&A, 665, A128. "Distributions of gas and small and large grains in the LkHa 330 disk trace a young planetary system"
- 8) Bergez-Casalou, C., Bitsch, B., Kurtovic, N. T., and Pinilla, P. (2022), A&A, 659, A6. "Constraining giant planet formation with synthetic ALMA images of the Solar System's natal protoplanetary disk"
- 7) M.A. Pyerin, T.N. Delage, **N.T. Kurtovic**, et al., (2021), A&A, 656, A150. "Constraining the properties of the potential embedded planets in the disk around HD 100546"
- 6) S.B. Brown-Sevilla, M. Keppler, M. Barraza-Alfaro, J.D. Melon-Fuksman, **N.T. Kurtovic**, et al., (2021), A&A, 654, A35.
- "A multiwavelength analysis of the spiral arms in the protoplanetary disk around WaOph 6"
- 5) Benisty, Myriam, Bae, Jaehan, Facchini, Stefano, et al., incl. **N.T. Kurtovic**, (2021), ApJL, 916, L2.
- "A Circumplanetary Disk around PDS70c"
- 4) P. Pinilla, **N.T. Kurtovic**, M. Benisty, et al., (2021), A&A, 649, A122.
- "A bright inner disk and structures in the transition disk around the very low-mass star CIDA 1"
- 3) L. Wölfer, S. Facchini, **N.T. Kurtovic**, et al., (2021), A&A, 648, A19. "A highly non-Keplerian protoplanetary disc. Spiral structure in the gas disc of CQ Tau"
- 2) L.A. Cieza, C. González-Ruilova, A.S. Hales, et al., incl **N.T. Kurtovic**, (2021), MNRAS, 501, 2934.
- "The Ophiuchus DIsc Survey Employing ALMA (ODISEA) III. The evolution of substructures in massive discs at 3-5 au resolution"
- 1) Jenkins, James S., Díaz, Matías R., **N. T. Kurtovic**, et al., (2020), NatAs, 4, 1148. "An ultrahot Neptune in the Neptune desert"

Additional refereed papers: (35 accepted)

- 35) S. L. Grant, M. Temmink, E. F., van Dishoeck, et al., incl. **N. T. Kurtovic**, (2025), arXiv e-prints, arXiv:2508.04692.
- "A transition from H₂O to C₂H₂ dominated spectra with decreasing stellar luminosity."
- 34) J. M. Miley, L. M. Pérez, C. Agurto-Gangas, A. Sierra, L. Trapman, M. Vioque, **N. T. Kurtovic**, et al., (2025), ApJ, 989, 11.
- "The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). XII. Extreme Millimeter Variability Detected in a Class II Disk"
- 33) R. Anania, G. Rosotti, M. Gárate, et al., incl. **N. T. Kurtovic**, (2025), ApJ, 989, 8. "The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). VIII. The Impact of External Photoevaporation on Disk Masses and Radii in Upper Scorpius"
- 32) B. Tabone, G. Rosotti, L. Trapman, et al., incl. **N. T. Kurtovic**, (2025), ApJ, 989, 7. "The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). VII. Testing Accretion Mechanisms from Disk Population Synthesis"
- 31) L. Trapman, K. Zhang, G. Rosotti, et al., incl. **N. T. Kurtovic**, (2025), ApJ, 989, 5. "The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). V. Protoplanetary Gas Disk Masses"
- 30) C. Agurto-Gangas, L. M. Pérez, A. Sierra, et al., incl. **N. T. Kurtovic**, (2025), ApJ, 989, 4. "The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). IV. Dust and Gas Disk Properties in the Upper Scorpius Star-forming Region"
- 29) D. Deng, M. Vioque, I. Pascucci, et al., incl. **N. T. Kurtovic**, (2025), ApJ, 989, 3. "The Astrophysical Journal, 989, 3, The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). III. Dust and Gas Disk Properties in the Lupus Star-forming Region"
- 28) D. Ruiz-Rodriguez, C. González-Ruilova, L. Cieza, et al., incl. **N. T. Kurtovic** (2025), ApJ, 989, 2.
- "The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). II. Dust and Gas Disk Properties in the Ophiuchus Star-forming Region "
- 27) A. Sierra, M. Benisty, P. Pinilla, et al., incl. **N. T. Kurtovic**, (2025), MNRAS, 541, 3101. "Leaky dust trap in the PDS 70 disc revealed by ALMA Band 9 observations"
- 26) D. Fasano, M. Benisty, P. Curone, et al., incl. **N. T. Kurtovic**, (2025), A&A, 699, A373. "Inner disc and circumplanetary material in the PDS 70 system: Insights from multi-epoch, multi-frequency ALMA observations"
- 25) M. Temmink, A. Sellek, D., Gasman, et al., incl. **N. T., Kurtovic**, (2025), A&A, 699, A134. "MINDS: Water reservoirs of compact planet-forming dust discs: A diversity of H₂O distributions"
- 24) D. Gasman, M. Temmink, E. F. van Dishoeck, **N. T. Kurtovic**, (2025), A&A, 694, A147. "MINDS: The influence of outer dust disc structure on the volatile delivery to the inner disc"
- 23) K. R. Schwarz, M. Samland, G. Olofsson, et al., incl. **N. T. Kurtovic**, (2025), ApJ, 980, 148. "MINDS. JWST-MIRI Observations of a Spatially Resolved Atomic Jet and Polychromatic Molecular Wind toward SY Cha"

- 22) S. Jorquera, M. Bonnefoy, L. M. Pérez, et al., incl. **N. T. Kurtovic**, (2024), ApJ, 976, 42. "VLT/MUSE Detection of Accretion/Ejection Associated with the Close Stellar Companion in the HT Lup System"
- 21) A. Sierra, L. M. Pérez, C. Agurto-Gangas, et al., incl. **N. T. Kurtovic**, (2024), ApJ, 974, 102. "Hints of Planet Formation Signatures in a Large-cavity Disk Studied in the AGE-PRO ALMA Large Program"
- 20) M. Temmink, E. F. van Dishoeck, D. Gasman, et al., incl. **N. T. Kurtovic**, (2024), A&A, 689, A330.
- "MINDS: The DR Tau disk: II. Probing the hot and cold $\rm H_2O$ reservoirs in the JWST-MIRI spectrum"
- 19) J. Kanwar, I. Kamp, H. Jang, et al., incl. **N. T. Kurtovic**, (2024), A&A, 689, A231. "MINDS. Hydrocarbons detected by JWST/MIRI in the inner disk of Sz28 consistent with a high C/O gas-phase chemistry"
- 18) A. S. Carvalho, L. M. Pérez, A. Sierra, et al., incl. **N. T. Kurtovic**, (2024), ApJ, 971, 129. "A Dust-trapping Ring in the Planet-hosting Disk of Elias 2-24"
- 17) E. Nasedkin, P Mollière, S. Lacour, et al., incl. **N. T. Kurtovic**, (2024), A&A, 687, A298. "Four-of-a-kind? Comprehensive atmospheric characterisation of the HR 8799 planets with VLTI/GRAVITY"
- 16) C. Ginski, A. Garufi, M. Benisty, et al., incl. **N. T. Kurtovic**, (2024), A&A, 685, A52. "The SPHERE view of the Chamaeleon I star-forming region. The full census of planet-forming disks with GTO and DESTINYS programs"
- 15) M. Gárate, T. Birnstiel, P. Pinilla, et al., incl. **N.T. Kurtovic** (2023), A&A, 679, A15. "Millimeter emission in photoevaporating disks is determined by early substructures"
- 14) P. Curone, A. Izquierdo, L. Testi, et al., incl. **N. T. Kurtovic**, (2022), A&A, 665, A25. "A giant planet shaping the disk around the very low-mass star CIDA1"
- 13) J. Bae, R. Teague, S. M. Andrews, et al., incl. **N. T. Kurtovic**, (2022), ApJL, 934, L20. "Molecules with ALMA at Planet-forming Scales (MAPS): A Circumplanetary Disk Candidate in Molecular-line Emission in the AS 209 Disk"
- 12) I. Czekala, R. A. Loomis, R. Teague, et al., incl. **N. T. Kurtovic**, (2021), ApJS, 257, 2. "Molecules with ALMA at Planet-forming Scales (MAPS). II. CLEAN Strategies for Synthesizing Images of Molecular Line Emission in Protoplanetary Disks"
- 11) K. I. Öberg, V. Guzmán, C. Walsh, et al., incl. **N. T. Kurtovic**, (2021), ApJS, 257, 1. "Molecules with ALMA at Planet-forming Scales (MAPS). I. Program Overview and Highlights"
- 10) S. M. Andrews, W. Elder, S. Zhang, J. Huang, M. Benisty, **N. T. Kurtovic**, et al., (2021), ApJ, 916, 51.
- "Limits on Millimeter Continuum Emission from Circumplanetary Material in the DSHARP Disks"
- 9) S. Jorquera, L. M. Pérez, G. Chauvin, et al., incl. **N. T. Kurtovic**, (2021), AJ, 161, 146. "A Search for Companions via Direct Imaging in the DSHARP Planet-forming Disks"
- 8) R. C. Challener, J. Harrington, J. S. Jenkins, **N. T., Kurtovic**, et al., (2021), PSJ, 2, 9. "Identification and Mitigation of a Vibrational Telescope Systematic with Application to Spitzer"

- 7) L. D. Nielsen, D. Gandolfi, D. J. Armstrong, et al., incl. **N. T. Kurtovic**, (2020), MNRAS, 492, 5399.
- "Mass determinations of the three mini-Neptunes transiting TOI-125"
- 6) R. Cloutier, N. Astudillo-Defru, X. Bonfils, et al., incl. **N. T. Kurtovic**, (2019), A&A, 629, A111. "Characterization of the L 98-59 multi-planetary system with HARPS. Mass characterization of a hot super-Earth, a sub-Neptune, and a mass upper limit on the third planet"
- 5) J. S., Jenkins, J. Harrington, R. C. Challener, **N. T. Kurtovic**, et al., (2019), MNRAS, 487, 268. "Proxima Centauri b is not a transiting exoplanet"
- 4) M. G. Ubeira-Gabellini, A. Miotello, S. Facchini, et al., incl. **N. T. Kurtovic**, (2019), MNRAS, 486, 4638.
- "A dust and gas cavity in the disc around CQ Tau revealed by ALMA"
- 3) L. M. Pérez, M. Benisty, S. M. Andrews, et al., incl. **N. T. Kurtovic**, (2018), ApJL, 869, L50. "The Disk Substructures at High Angular Resolution Project (DSHARP). X. Multiple Rings, a Misaligned Inner Disk, and a Bright Arc in the Disk around the T Tauri star HD 143006"
- 2) S. M. Andrews, J. Huang, L. M. Pérez, A. Isella, C. P. Dullemond, **N. T. Kurtovic**, et al., (2018), ApJL, 869, L41.
- "The Disk Substructures at High Angular Resolution Project (DSHARP). I. Motivation, Sample, Calibration, and Overview"
- 1) C. P. Dullemond, T. Birnstiel, J. Huang, **N. T. Kurtovic**, et al., (2018), ApJL, 869, L46. "The Disk Substructures at High Angular Resolution Project (DSHARP). VI. Dust Trapping in Thin-ringed Protoplanetary Disks"