Maciek Wielgus

Complete list of papers. Updated: September 2022

Journal papers

- 83. *Spectra of Puffy Accretion Discs: the kynbb Fit*, Lancova, D., Yilmaz, A., **Wielgus, M.**, + 3 authors, submitted to Astronomische Nachrichten, arXiv:2209.03713,
- 82. *Collimation of the relativistic jet in the quasar 3C 273*, Okino, H., Akiyama, K., Asada, K., +32 authors, submitted to ApJ, arXiv:2112.12233,
- 81. *Polarimetric signatures of hot spots in black hole accretion flows*, Vos, J., Moscibrodzka, M., and **Wielgus, M.**, accepted in A&A, arXiv:2209.09931,
- 80. *Photon ring test of the Kerr hypothesis: variation in the ring shape*, Paugnat, H., Lupsasca, A., Vincent, F., and **Wielgus, M.**, accepted in A&A, arXiv:2206.02781,
- 79. A first search of transients in the galactic center from 230 GHz ALMA observations, Mus, A., Marti-Vidal, I., Wielgus, M., and Stroud, G., accepted in A&A, arXiv:2208.08248,
- 78. *Images and photon ring signatures of thick disks around black holes*, Vincent, F., Gralla, S., Lupsasca, A., and **Wielgus, M.**, accepted in A&A, arXiv:2206.12066,
- 77. Orbital motion near Sagittarius A*. Constraints from polarimetric ALMA observations, **Wielgus, M.**, Moscibrodzka, M., Vos, J., Gelles, Z., + 5 authors, A&A 665, L6 (2022), arXiv:2209.09926,
- 76. A robust test on the existence of primordial black holes in galactic dark matter halos, Abramowicz, M., Bejger, M., Udalski, A., and **Wielgus, M.**, ApJL 935, L28 (2022), arXiv:2206.13335,
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- 72. Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI, Broderick, A., Gold, R., Georgiev, B., + 264 authors, ApJL 930, L21 (2022),
- 71. *A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows*, Georgiev, B., Pesce, D., Broderick, A., Wong, G., Dhruv, V., **Wielgus, M.** + 263 authors, ApJL 930, L20 (2022),
- 70. Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign, Wielgus, M., Marchili, N., Marti-Vidal, I., Keating, G. K. + 263 authors, ApJL 930, L19 (2022),
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