

List of Publications

Major Contributions

Jan 2024	<i>The infalling elliptical galaxy M89: the chemical composition of the AGN disturbed hot atmosphere</i> Kara S., Plšek T. , Protušová K., Breuer J.-P., Werner N., Mernier F., Ercan E. N.: MNRAS, 528, 1500-1516
Nov 2023	<i>CADET: pipeline for detection of X-ray cavities in hot galactic and cluster atmospheres</i> Plšek T. , Werner N., Topinka, M., Simionescu A.: MNRAS, 527, 3315-3346
Sep 2022	<i>The relation between accretion rate and jet power in early-type galaxies with thermally unstable hot atmospheres</i> Plšek T. , Werner N., Grossová R., Topinka M., Simionescu A., Allen S. W.: MNRAS, 517, 3682-3710

Contributions

Oct 2025	<i>Compact stellar systems hosting an intermediate-mass black hole: Magnetohydrodynamic study of inflow-outflow dynamics</i> Labaj M., Ressler S. M., Zajaček M., Plšek T. , Ripperda B., Peišker F.: A&A, 702, A233
Sep 2025	<i>The thermodynamic structure and large-scale structure filament in MACS J0717.5+3745</i> Breuer J.-P., Werner N., Plšek T. , Mernier F., Umetsu K., Simionescu A., Devlin M., Di Mascolo L., Dibblee-Barkman T., Dicker S., Mason B. S., Mroczkowski T., Romero C., Sarazin C. L., Sievers J.: accepted to A&A
Jul 2025	<i>X-ray investigation of the remarkable galaxy group Nest200047</i> Majumder, A., Simionescu, A., Plšek, T. , Brienza, M., Churazov, E., Khabibullin, I., Gastaldello, F., Botteon, A., Röttgering, H., Brüggen, M., Lyskova, N., Rajpurohit, K., Sunyaev, R. A., Wise, M. W.: A&A, 699, A375
Feb 2025	<i>MeerKAT discovery of gigahertz radio emission extending from Abell 3017 towards Abell 3016</i> Hu D., Werner N., Xu H., Zheng Q., Breuer J.-P., Wu L., Duchesne S. W., van Weeren R. J., Sun M., Zhang C., Johnston-Hollitt M., Shan H., Guo Q., Zhu Z., Wang J., Gu J., Zhao Y., Siew H., Mao J., Zhang Z., Plšek T. : A&A, 694, A320
Feb 2025	<i>The bulk motion of gas in the core of the Centaurus galaxy cluster</i> XRISM Collaboration [including Plšek T.]: Nature, 638, 365-369
Nov 2024	<i>ICECUBE AGN neutrino candidate PKS 1717+177: dark deflector bends nuclear jet</i> Britzen S., Kovačević A. B., Zajaček M., Popović L. Č., Pashchenko I. N., Kun E., Pánis R., Jaron F., Plšek T. , Tursunov A., Stuchlík Z.: MNRAS, 535, 2742-2762
Oct 2023	<i>Ram-pressure stripped radio tail and two ULXs in the spiral galaxy HCG 97b</i> Hu D., Zajaček M., Werner N., Grossová R., Jáchym P., Roberts I. D., Ignesti A., Kenney J. D. P., Plšek T. , Breuer J.-P., Shimwell T., Tasse C., Zhu Z., Wu L.: MNRAS, 527, 1062-1080
Feb 2022	<i>Very Large Array Radio Study of a Sample of Nearby X-Ray and Optically Bright Early-type Galaxies</i> Grossová R., Werner N., Massaro F., Lakhchaura K., Plšek T. , Gabányi K., Rajpurohit K., Canning R. E. A., Nulsen P., O'Sullivan E., Allen S. W., Fabian A.: ApJ, 258, 30

Submitted & Prepared Publications

2025	<i>A XRISM view of chemical enrichment in the Centaurus cluster: I. Average chemical composition and supernova nucleosynthesis yields</i> XRISM Collaboration [including Plšek T.]: to be submitted to A&A
2025	<i>XRISM reveals a uniform metal distribution in the hot intracluster medium of the Centaurus galaxy cluster</i> Fukushima K., Mernier F., Kondo M., Sato K., Matsushita K., Simionescu A., Breuer J.-P., Fukazawa Y., Fujimoto R., Hatsukade I., Hosogi K., Loewenstein M., Majumder A., Nakazawa K., Plšek T. , Sun M., Urata M., Werner N., Yamasaki N.Y., and Fujita Y.: to be submitted to PASJ
2025	<i>Missing metals in the core of the Centaurus cluster</i> Plšek T. , Werner N., Simionescu N., Mernier F., TBD...: to be submitted to MNRAS
Nov 2025	<i>IceCube candidate neutrino emitter PKS 1413+135 is gravitationally lensed on pc-scales</i> Britzen S., Zajaček M., Fendt C., Best H., Jaron F., Pashchenko I.N., Plšek T. , and Seidel G.: submitted to MNRAS
Mar 2025	<i>Gravitationally lensed supermassive binary black hole in IceCube AGN Neutrino candidate PKS 2233-148</i> Britzen S., Kovačevi A.B., Popovi L.Č., Kun E., Zajaček M., Jaron F., Plšek T. , Pashchenko I.N., Pánis R., and Stuchlík Z.: submitted to A&A