

JULIA M. SISK-REYNÉS

PUBLICATION LIST

SUMMARY OF PUBLICATIONS

Since October 2020, my work comprises: 3 first-author journal papers; 1 co-author journal paper; 1 first-author conference paper; 1 co-author conference paper.

Links to publications: [NASA/ADS](#), [ORCID](#).

Citation statistics: h-index of 2/3 for first-author/all publications.

JOURNAL PUBLICATIONS

◇ 3 first-author journal papers with 56 citations including 1 paper with > 45 citations.

Physics Beyond the Standard Model with Future X-ray Observatories: Projected Constraints on Very-Light Axion-Like Particles with Athena and AXIS. ◇ 2 citations

J. Sisk-Reynés, C. Reynolds, M. Parker, J. Matthews and M. C. D. Marsh.

July 2023, *ApJ*, 951, 1.

Evidence for a moderate spin from X-ray reflection of the high-mass supermassive black hole in the cluster-hosted quasar H1821+643. ◇ 7 citations

J. Sisk-Reynés, C. Reynolds, J. Matthews and R. Smith.

August 2022, *MNRAS*, 514, 2.

New constraints on light axion-like particles using Chandra transmission grating spectroscopy of the powerful cluster-hosted quasar H1821+643. ◇ 47 citations

J. Sisk-Reynés, J. Matthews, C. Reynolds, H. Russell, R. Smith and M. C. D. Marsh.

February 2022, *MNRAS*, 510, 1.

◇ 1 journal publication of which I am co-author with 18 citations.

How Do Magnetic Field Models Affect Astrophysical Limits on Light Axion-like Particles? An X-ray Case Study with NGC 1275. ◇ 18 citations

J. Matthews, C. Reynolds, M. C. D. Marsh, **J. Sisk-Reynés** and P. Rodman.

May 2022, *ApJ*, 930, 1.

Contribution: analysis and interpretation.

SELECTED CONFERENCE PROCEEDINGS

◇ 1 refereed first-author conference paper with 1 citation.

Evidence for Supermassive Black Hole Binaries.

To be submitted

M. Bourne, S. Britzen, A. Foord, J. Greene, M. Habouzit, M. Horton, M. Krause, L. Mayer, H. Middleton, R. Nealon, C. Reynolds, D. Sijacki and **J. Sisk-Reynés**.

Invited contribution after presentation at RAS Specialist Discussion Meeting on SMBH binaries on 14 April 2023 in London, UK. To be submitted to RAS A&G magazine in the first part of 2024.

Current and Future constraints on Very-Light Axion-Like Particles from X-ray observations of cluster-hosted AGN. ◇ 1 citation

J. Sisk-Reynés, C. Reynolds and J. Matthews.

April 2023, [arXiv: 2304.08513](#).

To be published in Mem. S. A. It. in December 2023. Submitted after contribution at “The Dark Matter Challenge” Symposium at the EAS 2022 annual meeting on 28 June 2022 in Valencia, Spain.