

Elias KAMMOUN

CONTACT INFORMATION

ADDRESS: Cahill Center for Astrophysics, California Institute of Technology,
216 East California Boulevard
Pasadena, CA 91125, USA
EMAIL: ekammoun@caltech.edu
WEBSITE: www.eliaskammoun.com

CURRENT POSITION

AUGUST 2026 - PRESENT *Research Scientist*
UVEX Science Operations Coordinator
NuSTAR Science Operations Center - support scientist
California Institute of Technology, Pasadena - USA

EDUCATION

2014 - 2018 PhD in ASTROPHYSICS, *Cum Laude*
International School for Advanced Studies (SISSA), Trieste - Italy
2012-2014 MSc Degree in ASTROPHYSICS
Notre Dame University, Louaize - Lebanon (NDU)
and Université Saint Joseph de Beyrouth - Lebanon (USJ)
2009-2012 BSc Degree in PHYSICS
Université Saint Joseph de Beyrouth - Lebanon (USJ)

PROFESSIONAL EXPERIENCE

2024 - 2026 *Postdoctoral Scholar Research Associate in Physics*
Member of the NuSTAR Science Operations Center
California Institute of Technology, Pasadena - USA
2023 - 2024 *Postdoctoral research fellow/Assegno di ricerca*
Dipartimento di Matematica e Fisica, Università degli Studi Roma Tre
Rome - Italy
2022 - 2024 *Associate Astronomer*
National Institute for Astrophysics (INAF), Osservatorio Astrofisico di Arcetri
Florence - Italy
2021 - 2023 *Postdoctoral research fellow*
Institut de Recherche en Astrophysique et Planétologie (IRAP),
Toulouse - France
2018 - 2020 *Postdoctoral research fellow*
Department of Astronomy, University of Michigan, Ann Arbor - USA

AWARDS AND GRANTS

Total: USD 738k+

2026 Chandra Cycle-28: An X-ray look at the heart of the most luminous quasar (USD xx)
2026 XRISM GO3: Outflows as Feedback Mechanisms in Radio-Loud AGN (USD 178k)
2026 XRISM GO3: Resolving the double narrow iron lines in a dual-AGN candidate (USD 175k)
2026 NuSTAR GO12: A deep look at the heart of the most luminous quasar (USD 89k)
2026 NuSTAR GO12: Hard X-ray Leverage for XRISM: NuSTAR on 3C 390.3 (USD 64k)
2025 XRISM GO2: The first unambiguous detection of a double-peaked Fe K line in AGN (USD 120k)
2024 XRISM GO1: The first unambiguous detection of the X-ray broad-line region
(non-funded grant – EU based)
2023 AHEAD2020 AO5: One-week visit to the Institute of Astrophysics, Crete, Greece (Euro 2k)
2022 XMM-Newton AO22: A deep look at the heart of a luminous quasar
(non-funded grant – EU based)
2021 XMM-Newton AO21: Probing the inner accretion flow of a luminous highly variable Seyfert
(non-funded grant – EU based)
2020 XMM-Newton AO20 : A deep look at an exceptionally variable Seyfert 1 galaxy
(non-funded grant – EU based)

2018	NuSTAR GO6: The coronal properties of an exceptionally luminous quasar at $z = 0.821$ (USD 90k)
2017	ERASMUS+ Fellowship, SISSA - ITALY: Visit to the Astronomical Institute of the Czech Academy of Science, Prague (Euro 2k)
2013-2015	CNRS-Liban Research Grant (no. 01-08-15; Col) Building the imaging polarimeter BeePol (USD 7k)
2009-2012	Valedictorian award of merit from Faculté des Sciences – USJ (USD 15k)

OBSERVING TIME AWARDED

Observational proposals as PI/Co-PI – Total: > 2 Ms

<i>Chandra GO28</i>	Karavangelas G. (PI) & Kammoun E. (co-PI) <i>An X-ray look at the heart of the most luminous quasar</i> Allocated time: 40 ks
<i>XRISM GO3</i>	Kammoun E. et al.: <i>Resolving the double narrow iron lines in a dual-AGN candidate</i> Allocated time: 220 ks
<i>XRISM GO3</i>	Karavangelas G. (PI) & Kammoun E. (co-PI) <i>Outflows as Feedback Mechanisms in Radio-Loud AGN</i> ; Allocated time: 400 ks
<i>NuSTAR GO12</i>	Kammoun E. et al.: <i>A deep look at the heart of the most luminous quasar</i> Allocated time: 200 ks (+ 100 ks XMM-Newton)
<i>NuSTAR GO12</i>	Kammoun E. et al.: <i>Hard X-ray Leverage for XRISM: NuSTAR on 3C 390.3</i> Allocated time: 50 ks
<i>XRISM GO2</i>	Kammoun E. et al.: <i>The first unambiguous detection of a double-peaked Fe K line in AGN</i> ; Allocated time: 170 ks
<i>XRISM GO1</i>	Kammoun E. et al.: <i>The first unambiguous detection of the X-ray broad-line region</i> Allocated time: 80 ks (+ 80 ks XMM-Newton + 50 ks NuSTAR)
<i>Swift ToO</i>	Kammoun E. et al.: <i>Investigating the flaring activity of NGC 7213</i> Allocated time: 90 ks
<i>Swift ToO</i>	Kammoun E. et al.: <i>Monitoring the most luminous quasar in the Universe</i> Allocated time: 30 ks
<i>XMM-Newton AO22</i>	Kammoun E. et al.: <i>A deep look at the heart of a luminous quasar</i> Allocated time: 2×110 ks XMM + 2×60 ks NuSTAR + 40 ks Swift
<i>NuSTAR DDT</i>	Kammoun E. et al.: <i>An X-ray look at the heart of a luminous quasar</i> Allocated time: 60 ks
<i>XMM-Newton DDT</i>	Kammoun E. et al.: <i>An X-ray look at the heart of a luminous quasar</i> Allocated time: 15 ks
<i>Swift ToO</i>	Kammoun E. et al.: <i>An X-ray look at the heart of a luminous quasar</i> Allocated time: 9×2 ks
<i>XMM-Newton AO-21</i>	Kammoun E. et al.: <i>Probing the inner accretion flow of a luminous highly variable Seyfert 1</i> . Allocated time: 250 ks
<i>Swift ToO</i>	Kammoun E. : <i>2MASX J0609 - The return</i> . Allocated time: 1×2 ks
<i>Swift ToO</i>	Kammoun E. : <i>The strong variability of 2MASX J08173955</i> Allocated time: 7×2.5 ks
<i>XMM-Newton AO-20</i>	Kammoun E. et al. : <i>A deep look at an exceptionally variable Seyfert 1 galaxy</i> Allocated time: 104 ks.
<i>NuSTAR Cycle 6</i>	Kammoun E. : <i>The coronal properties of an exceptionally luminous quasar at $z = 0.821$</i> . Allocated time: 100 ks NuSTAR + 100 ks XMM-Newton. (\$89.9k)
<i>Swift ToO</i>	Kammoun E. : <i>The strong variability of Mrk 1310</i> . Allocated time: 3 ks
<i>Swift ToO</i>	Kammoun E. : <i>An exploratory study of the coronal properties of high-z quasars</i> . Allocated time: 6 ks

Observational proposals as Co-Investigator – Total: > 5 Ms

<i>NuSTAR GO12</i>	Borelli L. (PI), et al. (including Kammoun E.): <i>Completing the NuSTAR WISSHFUL program: X-ray coronæ and winds in quasars at cosmic noon</i> . Allocated time: 920 ks
<i>NuSTAR GO12</i>	Zhao X. (PI), et al. (including Kammoun E.): <i>A Dynamic View of AGN Coronæ with NuSTAR</i> . Allocated time: 140 ks
<i>NuSTAR GO12</i>	Zhao X. (PI), et al. (including Kammoun E.): <i>Systematically Probing the Physics of AGN Coronæ Using a High-z, High Luminosity Quasars</i> . Allocated time: 500 ks (+125 ks XMM-Newton)

<i>XRISM GO2</i>	Lanzuisi G. (PI), et al. (including Kammoun E.): <i>The XRISM/Resolve view of the outflow/inflow in NGC 7469</i> . Allocated time: 100 ks
<i>XRISM GO2</i>	Nicastro F. (PI), et al. (including Kammoun E.): <i>X-rayng the galactic outflow with XRISM</i> . Allocated time: 60 ks
<i>XRISM GO2</i>	Marinucci A. (PI), et al. (including Kammoun E.): <i>Studying the innermost region of the Seyfert 2 galaxy NGC 2110</i> . Allocated time: 80 ks
<i>NuSTAR GO11</i>	Boorman P. (PI), et al. (including Kammoun E.): <i>Revealing the true nature of little red dots with NuSTAR</i> . Allocated time: 160 ks
<i>NuSTAR GO11</i>	Zhao X. (PI), et al. (including Kammoun E.): <i>Probing the electron populations in AGN Corona with NuSTAR</i> . Allocated time: 100 ks
<i>NuSTAR GO11</i>	Tortosa A. (PI), et al. (including Kammoun E.): <i>A testbed to model X-ray emission of puzzling JWST AGN: study of nearby analog super-Eddington AGN with NuSTAR</i> . Allocated time: 350 ks
<i>XRISM GO1</i>	Bianchi S. (PI), et al. (including Kammoun E.): <i>NGC 1068: A XRISM Benchmark for Compton-Thick Seyfert 2s</i> . Allocated time: 100 ks
<i>XRISM GO1</i>	Miller J. M. (PI), et al. (including Kammoun E.): <i>Ironing-out the accretion flow in Seyfert AGN with Mrk 279</i> . Allocated time: 150 ks
<i>XRISM GO1</i>	Cappi M. (PI), et al. (including Kammoun E.): <i>Probing the accretion (in)flow and wind (out)flow in the luminous Seyfert 1 galaxy Mrk 509</i> . Allocated time: 100 ks
<i>XMM-Newton AO-23</i>	Foustoul V. (PI), et al. (including Kammoun E.): <i>Validating close binary supermassive black hole candidates</i> . Allocated time: 74 ks
<i>XMM-Newton AO-21</i>	Quintin E. (PI), Kammoun, E. (Co-PI): <i>Probing short-term spectral variability in low-mass AGNs</i> . Allocated time: 160 ks
<i>XMM-Newton AO-21</i>	Nardini E. (PI) et al. (including Kammoun E.): <i>The first X-ray view of the extreme UV outflow quasar HE0238-1904</i> . Allocated time: 120 ks + 2 HST orbits
<i>Swift ToO</i>	Quintin E. (PI), Kammoun, E. (Co-PI): <i>A Swift look at low-mass AGN</i> . Allocated time: 15 × 2 ks
<i>Swift GTO</i>	Nardini E. (PI), Kammoun, E. (Co-PI): <i>Monitoring the accretion state of two candidate changing-look AGN</i> . Allocated time: 60 ks
<i>XMM-Newton AO-20</i>	Miller J. M. (PI) et al. (including Kammoun E.): <i>XMM-Newton Observations of a Torn Accretion Disk in Mrk 279</i> . Allocated time: 34 ks
<i>XMM-Newton AO-20</i>	Zoghbi A. (PI) et al. (including Kammoun E.): <i>Solving The Puzzle of The Variable Narrow Iron Line in Mrk 841</i> . Allocated time: 160 ks
<i>HST DDT</i>	Cackett E. (PI) et al. (including Kammoun E.): <i>Has the UV broad line region around the black hole in Mrk 279 been disrupted?</i> . Allocated time: 1 orbit
<i>Chandra Cycle 22</i>	Miller J. M. (PI) et al. (including Kammoun E.): <i>Revealing Accretion and Ejection in the Heart of Cen A</i> . Allocated time: 300 ks
<i>Chandra Cycle 22</i>	Miller J. M. (PI) et al. (including Kammoun E.): <i>A New Look at the Paradigmatic Compton-thick Sy-2 NGC 1068</i> , Archive proposal
<i>NuSTAR Cycle 6</i>	Miller J. M. (PI) et al. (including Kammoun E.): <i>Mrk 817: A key to AGN evolution and accretion geometry</i> . Allocated time: 120 ks
<i>NuSTAR Cycle 6</i>	Miller J. M. (PI) et al. (including Kammoun E.): <i>An evolving, double-peaked relativistic disk line in Mrk 279</i> . Allocated time: 300 ks
<i>NuSTAR Cycle 6</i>	Gallo L. (PI) et al. (including Kammoun E.): <i>Does Mrk 79 have an intermediate spin black hole?</i> . Allocated time: 100 ks NuSTAR + 30 ks XMM-Newton
<i>XMM-Newton AO-17</i>	Nardini E. (PI) et al. (including Kammoun E.): <i>X-ray continuum microlensing in the lensed quasar RX J1131-1231</i> . Allocated time: 130 ks XMM-Newton + 75 ks NuSTAR

PROFESSIONAL SERVICE & LEADERSHIP

Missions and Consortia

2026 - PRESENT	UVEX Science Operation Center
2026 - PRESENT	UVEX Science Leadership
2025 - PRESENT	NuSTAR Science Operation Center
2025 - PRESENT	IACHEC Science Operation Working Group

- 2025 - PRESENT NewAthena Topical Panel/Working Group:
 - *Member*, SWG2 Galaxies & Supermassive black holes
 - *Member*, SWG7 Science Support
- 2025 High Energy Astrophysics Software Futures (HEASwF) Working Group
 2022 - 2024 HEX-P Science Team
 - *Lead*, AGN coronæ working group
 - *Member*, the Black Hole Growth over Cosmic Time Pillar
 - *Member*, the Accretion power Pillar
 - *Member*, the Spectral-timing Working Group
 - *Member*, the Active Galactic Nuclei Working Group
- 2021 - 2023 **Athena/X-ray Integral Field Unit (X-IFU) Calibration Team (XCAT)**, *active member*
 2021 - 2023 **Athena/X-ray Integral Field Unit (X-IFU) consortium**, *active member*
 2016 - 2024 **Athena Topical Panel/Working Group**
Member SWG2.4 Close environments of SMBH

Review Panels

- 2023-2025 *Review panelist* for NASA Astrophysics Decadal Survey Precursor Science (ADSPS) program [2x]
- 2019 - PRESENT *Review panelist* at Time Allocation Committees for *Chandra* [3x], *XMM-Newton* [2x], *XRISM* [2x], *NuSTAR* [2x], *Swift* [2x], *IXPE* (deputy chair) [1x], and *NICER* [1x] Guest Observer programs
- 2020-2021 *Review panelist* at the Time Allocation Committee for the *University of Michigan* time on the Magellan and MDM telescopes [2x]
- 2018 - PRESENT *Referee* in *Nature Astronomy*, *ApJ*, *ApJL*, *MNRAS*, *MNRASL*, *A&A*, *A&AL*, *Journal of High Energy Astrophysics*, *Chinese Journal of Physics*, and *Astronomische Nachrichten* [Total: 30+ papers]

Conference & Workshop Organization

- 2024 *Member of the Science Organizing Committee* of the "Multi-wavelength fast variability across mass scales: from neutron stars to supermassive black hole" session at COSPAR 2024
- 2022 *Member of the Local Organizing Committee* of the *Athena* thematic school – IRAP
- 2021 *Organizer* of the *Introduction to XSPEC* workshop at IRAP

Institutional Service

- 2025 *Member* of Caltech's 2025-2026 [Everhart Lecture Series](#) Committee.
- 2022 - 2023 *Postdoc representative* at the lab council, IRAP
- 2022-2023 *Organizer* of the AGN group at IRAP
- 2022 - 2023 *Coordinator* of the Compact Object section in the IRAP Galaxies, High-Energy Astrophysics, and Cosmology (GAHEC) journal club
- 2020-2021 *Colloquium co-chair* at the Department of Astronomy in the University of Michigan for the academic year 2020-2021
- 2020-2021 *Postdoc representative* at the Department of Astronomy, University of Michigan
- 2017-2018 *Chair and Organizer* of the Astrophysics Journal Club at SISSA

SUPERVISING & MENTORING

PhD Mentoring

- 2025 - PRESENT *G. Karavangelas*, PhD student at Caltech - USA
- 2023 - 2025 *V. Foustoul*, PhD student at IRAP - France
- 2023 *Z. Igo*, PhD student at MPE - Germany
- 2021 - 2023 *E. Quintin*, PhD student at IRAP - France

MSc Thesis Mentoring

- 2024 *A. Lai*, "The extreme variability of a luminous Seyfert 1"
 MS thesis at Uni. Roma Tre - Italy
- 2022 *M. Lefkir*, "The nature of the X-ray variability in NGC 7582"
 MS thesis at IRAP - France

Summer Internship Mentoring

- 2026 *M. Demiroglu*, “X-ray reflection from the plunging region”
SURF program at Caltech - USA
- 2026 *A. Rajab*, “AGN variability with SPHEREx”
WAVE Fellows internship at Caltech - USA
- 2026 *Y. Kanafani*, “Revisiting the failed jet model”
University of Lille - France
- 2025 *M. Basu*, “Distribution of tidal disruption event debris around a spinning black hole” - Summer Undergraduate Research Fellowships (SURF) at Caltech - USA
- 2025 *V. Caudillo*, “Searching for Changing-Look Active Galactic Nuclei ”
WAVE Fellows internship at Caltech - USA
- 2024 *K. Roldan*, “Investigating SMBH growth using relative orientations of Compton-thick AGN and host galaxies”
WAVE Fellows internship at Caltech - USA
- 2023 *D. Youssef, A. Farah, M. Kiwan*, “The incoherence of AGN light curves”
Undergraduate internship at USJ - Lebanon
- 2022 *L. Robin*, “A deep study of thermal reverberation in AGN”
MS internship at IRAP - France
- 2021 *M. Lefkir*, “The nature of the X-ray variability in NGC 7582”
MS internship at IRAP - France
- 2021 *E. Planteur*, “Optimization of the X-IFU Beryllium filters: the effect on black hole spin measurement”
Undergraduate internship at IRAP - France

High-school students Mentoring

- 2025-2026 *K. Maloney*, “NuSTAR look at double-peaked broad emitters”

TEACHING EXPERIENCE

- December 2025 *Lecturer/Mentor* at the IAU/COSPAR Advanced Spectral-Timing, Polarimetry, and high-resolution Spectroscopy X-ray School for Latin-America; La Plata, Argentina
- 2021 - 2024 *Visiting Lecturer* at Department of Physics, Faculty of Sciences, USJ, Lebanon
Course: “Introduction to Astronomy” (ASTPL3)
- DECEMBER 2019 *Guest lecturer* at Department of Astronomy, University of Michigan, USA
Course: “High Energy Astrophysics” (ASTRO 532) course
- MARCH 2019 *Guest lecturer* at Department of Astronomy, University of Michigan, USA
Course: “Galaxies and the Universe” (ASTRO 404)
- FEBRUARY 2019 *Guest lecturer* at Department of Astronomy, University of Michigan, USA
Course: “The Dark Side of the Universe” (ASTRO 107)
- AUGUST 2014 *Mentor* in the *IAU MENA Regional Summer School: Astronomy with Small Telescopes*; Beirut - Lebanon
- 2012 - 2014 *Graduate Fellow*; Department of Physics & Astronomy - NDU - Lebanon
Duties: Teaching undergraduate Physics and Astronomy courses and labs

SELECTED TALKS

Invited talks

- APRIL 2026 Astronomy colloquium at University of Nevada, Las Vegas
Title: *XRISM/Resolve and the Fe K Frontier: New Insights into the Hearts of Active Galaxies*
- NOV. 2025 11th Finding Extreme Relativistic Objects (FERO11) - Prague
Title: *Resolving the inner accretion flow of NGC 7213*
- NOV. 2025 11th Finding Extreme Relativistic Objects (FERO11) - Prague
Title: *Disk reflection as the origin of X-ray polarization in NGC 4151*

- OCT. 2025 CosmoLab seminar at University of Southern California - Los Angeles, USA
Title: *Probing the corona-disc connection in AGN through thermal reverberation*
- FEB 2025 UMBRELA Dialogues, CfA/Harvard - Boston, USA
Title: *Probing the corona-disc connection in AGN through thermal reverberation*
- JULY 2024 From the Dolomites to the event horizon, Sexten - Italy
Title: *Hot Coronæ in AGN*
- DEC. 2023 INFN Colloquium at the Gran Sasso Science Institute (GSSI), L'Aquila, Italy
Title: *Probing the corona-disc connection in AGN through thermal reverberation*
- NOV. 2023 Astronomy Colloquium at University of Milan - Bicocca, Milan, Italy
Title: *Probing the corona-disc connection in AGN through thermal reverberation*
- NOV. 2023 Astronomy Colloquium at University of Crete, Heraklion, Greece
Title: *Probing the corona-disc connection in AGN through thermal reverberation*
- OCT. 2023 Athena X-ray Advances Science Webinar
Title: *Probing the X-ray corona-accretion disc connection through thermal reverberation*
- SEPT. 2022 Institute for Planetary sciences and Astrophysics of Grenoble (IPAG), France
Title: *Modelling thermal reverberation in AGN*
- JULY 2022 Astrophysics Colloquium, SISSA, Trieste - Italy
Title: *Modelling thermal reverberation in AGN*
- MAY 2022 Center for Theoretical Physics Colloquium, Warsaw - Poland
Title: *Modelling thermal reverberation in AGN*
- JULY 2021 X-ray data modelling of accreting black holes, Czech Republic
Title: *Simulations of high-resolution spectra with Athena/X-IFU*
- APRIL 2019 MIT Kavli Institute for Astrophysics and Space Research, USA
Title: *X-ray eclipses in active galactic nuclei*
- FEB. 2019 Department of Physics and Astronomy, Wayne State University, Detroit, USA
Title: *X-ray obscuration in Active Galactic Nuclei*
- JUNE 2018 International Conference of Young Astronomers and Astrophysicists, Padua, Italy
Title: *On the accuracy of reflection-based SMBH spin measurements in AGN*
- OCT. 2017 Astronomical Institute of the Academy of Sciences, Prague Czech Republic
Title: *Probing the close environment of supermassive black holes through X-ray spectral and temporal analysis*

Contributed talks

- OCTOBER 2025 22nd meeting of the High Energy Astrophysics Division (HEAD22)
Title: *Resolving the inner accretion flow of NGC 7213*
- JANUARY 2025 American Astronomical Society (AAS) 245th meeting
Title: *Modelling thermal reverberation in active galactic nuclei*
- JULY 2023 The restless nature of AGN: 10 years later, Naples - Italy
Title: *Modelling thermal reverberation in active galactic nuclei*
- JUNE 2023 The X-ray Universe 2023, Athens - Greece
Title: *The first X-ray look at the most luminous quasar in the last 9 Gyr*
- JULY 2022 From the Dolomites to the event horizon, Sexten - Italy
Title: *Thermal reverberation in AGN*
- JUNE 2022 Black Hole accretion under the X-ray microscope – XMM-Newton workshop
ESAC, Madrid - Spain
Contributed talk: *Modelling for the broadband energy spectrum of X-ray illuminated accretion discs*
- MARCH 2022 FER010 meeting, Toulouse - France
Title: *Modelling thermal reverberation in AGN*

JUNE 2021	PNHE general workshop – French Society of Astronomers and Astrophysicists (SF2A) 2021, <u>Title:</u> <i>Modelling UV/optical time-lags in active galactic nuclei</i>
MARCH 2019	Compact Object in Michigan, Wayne State University, Detroit, USA <u>Title:</u> <i>A hard look at local Seyfert-2 galaxies</i> <u>Title:</u> <i>On the origin of steep emissivity profiles in AGN accretion disks</i>
MAY 2018	FERO9 meeting, Heraklion, Greece <u>Title:</u> <i>On the accuracy of reflection-based SMBH spin measurements in AGN</i>
JULY 2017	From the Dolomites to the event horizon, Sexten - Italy <u>Title:</u> <i>On the accuracy of reflection-based supermassive BH spin measurements.</i>
JUNE 2017	The X-ray Universe 2017, Rome - Italy (XRU17); <u>Title:</u> <i>Determination of the coronal properties of luminous quasars at cosmological redshifts</i>

COURSES AND TRAININGS

2023-2024	IBM Data Science Professional Certificate
2022	Machine Learning Specialization , Online non-credit course authorized by DeepLearning.AI and Stanford University,
2019	Postdoctoral Short Course on College Science Teaching , certified by the Horace H. Rackham School of Graduate Studies, University of Michigan

PRESS RELEASES AND MEDIA HIGHLIGHTS

- [What Powers the X-ray Emission from Distant Supermassive Black Holes?](#)
- [Black Hole Eats Star: NASA Missions Discover Record-Setting Blast](#)
- [Astronomers challenge 50-year-old quasar law](#)
- [Quasars at Work: My photons come from a land where the accretion disks glow and the X-ray coronas plunder \(energy from the disk\)](#)
- [NASA IXPE's 'Heartbeat Black Hole' Measurements Challenge Current Theories](#)
- [Black Hole Jet Stumbles Into Something in the Dark](#)
- [XMM-Newton spots a black hole throwing a tantrum](#)
- [An X-ray look at the heart of powerful quasars](#)
- [Astronomers investigate X-ray spectral variability of active galaxy NGC 7582](#)
- [Uncovering the hidden black holes](#)
- [Compton-Thick or Thin? Classifying NGC 5347](#)

OUTREACH ACTIVITIES

MAY 2024	<i>Public talk: "Astronomy Domine - An open discussion about astronomy and the mysteries of the Universe"</i> Samih Zaatar Photography Workshop, Zgharta - Lebanon
AUGUST 2023	<i>Mentor in the Younivers competition</i>
MAY 2020 - PRESENT	<i>Volunteering speaker in the Skype a Scientist program</i>
2019 - 2020	<i>Co-organiser of the Astronomy on Tap in Ann Arbor team</i> Organizing astronomy talks for public
AUGUST 2019	<i>Public talk: "How do we see Black Holes?!"</i> <i>Astronomy on Tap</i> in Lansing
DECEMBER 2017	Zgharta (Lebanon) Municipal Theater Public talk (arabic): "An introduction to Astronomy and Space Science"
2015 - 2018	<i>Member of the SISSA for Schools team: Organizing outreach activities in Trieste (Italy)</i>

LANGUAGES

ARABIC: Mother-tongue

ENGLISH: Fluent

FRENCH: Fluent

ITALIAN: Basic

REFERENCES

- Prof. Fiona Harrison, Division of Physics, Math and Astronomy, Caltech, Pasadena - USA;
e-mail: fiona@srl.caltech.edu
- Prof. Jon M. Miller, Department of Astronomy, University of Michigan, Ann Arbor - USA;
e-mail: jonmm@umich.edu
- Prof. Iossif Papadakis, Department of Physics, University of Crete, Heraklion - Greece;
e-mail: jhep@physics.uoc.gr
- Prof. Michael Eracleous, Department of Astronomy & Astrophysics, The Pennsylvania State University, University Park - USA;
e-mail: mxe17@psu.edu
- Dr. Didier Barret, Institut de Recherche en Astrophysique et Planétologie, Toulouse - France;
e-mail: dbarret@irap.omp.eu
- Dr. Daniel Stern, Jet Propulsion Laboratory/NASA, Pasadena - USA;
e-mail: daniel.k.stern@jpl.nasa.gov
- Dr. Matteo Guainazzi, European Space Research and Technology Centre/ESA, Noordwijk - Netherlands; e-mail: Matteo.Guainazzi@esa.int

Latest update: October, 2026

LIST OF PUBLICATIONS

Refereed publications

First/second author publications: 29; Co-author publications: 77; Total citations: 1400+;

H-index = 22; G-index = 34

Updated publication list: [E. Kammoun ADS library](#) – Orcid: [0000-0002-0273-218X](#)

*Primary advisor on student-led paper

106. [E. Kammoun](#), et al., *Mapping the Innermost Accretion Disk of AGN with NewAthena: X-ray Eclipse Tomography and Quasar Microlensing*, 2027, to be submitted to JHEAP

105. S. Hagen, [E. Kammoun](#), et al., *Towards the origin of the broad line region with NewAthena*, 2027, to be submitted to JHEAP

104. A. Tortosa, E. Sonbas, [E. Kammoun](#), et al., *Probing Extreme AGN Accretion Rate Regimes with NewAthena*, 2027, to be submitted to JHEAP

103. P. Condò, [et al.](#), *Unveiling physics, power and structure of Ionised Outflows in AGN with NewAthena*, 2027, to be submitted to JHEAP

102. E. Nardini, [et al.](#), *Unveiling the physical interplay between accretion disk and X-ray corona in AGN with NewAthena*, 2027, to be submitted to JHEAP

101. P. G. Boorman, [et al.](#), *Unravelling the Supermassive Black Hole Spin Distribution with NewAthena*, 2027, to be submitted to JHEAP

100. M. Mizumoto, [et al.](#), *Unveiling High-z UFOs and the Multi-Phase Wind Paradigm with NewAthena*, 2027, to be submitted to JHEAP

99. Ferdinand, [et al.](#), *A Newly Identified Transient Ultraluminous X-ray Source in M31*, 2026, submitted to ApJ, pre-print: [arXiv:2610.08918](#)

98. Y. Xu, [et al.](#), *A relativistic inflow candidate in a quasar at cosmic noon*, 2026, submitted to A&A

97. F. A. Harrison, [et al.](#), *The Ultraviolet Explorer (UVEX) Mission*, 2026 submitted to PASP

96. M. Papoutsis, [et al.](#), *X-ray disc reverberation modelling of the timing and spectral properties of NGC 4151*, 2026, submitted to A&A

95. I. Pal, [E. Kammoun](#), et al., *The NuSTAR and XMM-Newton view of two reflection-dominated Narrow line Seyfert galaxies*, 2026, submitted to ApJ

94. B. Banerjee, [et al.](#), *The ultra-fast afterglow of GRB 260226A*, 2026, submitted to ApJL, pre-print: [arXiv:2607.26129](#)

93. V. Foustoul, [et al.](#), *An optical and X-ray look at the milli-parsec separation supermassive black hole binary candidate PB 4015 and its host galaxy*, 2026, submitted to A&A

92. K.-R. Hinds, [et al.](#), *Early Multiwavelength Observations of AT 2026fgk: The Luminous Afterglow to Sub-luminous GRB 260310A, Identified Independently of a Gamma-ray Trigger*, 2026, accepted for publication in ApJ, pre-print: [arXiv:2606.05146](#)

91. A. Peca, [et al.](#), *Multi-epoch Detection of an Ultra-fast Inflow in ESP 39607: Evidence for an Accretion Cascade*, 2026, accepted for publication in ApJ, pre-print: [arXiv:2609.0301](#)

90. [E. Kammoun](#), et al., *Disk reflection as the origin of the X-ray polarization of NGC 4151 with IXPE*, 2026, ApJ, 1009, 33, DOI: [10.3847/1538-4357/ae9cad](#)

89. D. Tagliacozzo, [et al.](#), *X-ray polarization of the Compton-thin Seyfert galaxy NGC 5506 with IXPE*, 2026, accepted for publication in A&A, pre-print: [arXiv:2609.21711](#)

88. X. Zhao, [E. Kammoun](#), et al., *Probing the AGN Coronae with High-redshift AGN: PACHA*, 2026, accepted for publication in ApJ, pre-print: [arXiv:2603.11286](#)

87. X. Xiang, [et al.](#), *XRISM Spectroscopy of Variable Accretion-driven Disk Winds in NGC 4151: When, Where, and How Fast Outflows are Launched*, accepted for publication in ApJ, pre-print [arXiv:2608.11315](#)

86. A. Luminari, [et al.](#), *Time-evolving Diagnostic of the Ionized Absorbers in NGC 4051. II. High-throughput Time-resolved Spectroscopy*, 2026, accepted for publication in A&A, pre-print: [arXiv:2607.20621](#)
85. M. Polioudakis, [et al.](#), *X-ray disc reverberation modelling of the X-ray/UV/optical spectral/timing properties of Fairall 9.*, 2026, A&A, [10.1051/0004-6361/202660081](#)
84. A. Luminari, [et al.](#), *Fe K α line from the accretion disc of PDS 456 with XRISM/Resolve*, 2026, A&A, 712, L3, DOI: [10.1051/0004-6361/202661336](#)
83. G. Lanzuisi, [et al.](#), *The WISSHFUL program: the highest redshift UFO discovered in a non-lensed QSO*, 2026, A&A, DOI: [10.1051/0004-6361/202660183](#)
82. A. Kumar Mandal, [et al.](#), *Consistency between X-ray and UV-Optical reverberation measurements in NGC 5548*, 2026, A&A, 711, A205, DOI: [10.1051/0004-6361/202558775](#)
81. Y. Yao, [et al.](#), *AT2024lhc and AT2024kmq in the landscape of featureless tidal disruption events*, 2026, MNRAS, 549 (2), [stag920](#) DOI: [10.1093/mnras/stag920](#)
80. M. Dadina, [et al.](#), *Is XRISM/Resolve probing a “raining” absorber in Mrk 509?*, 2026, A&A, 710, A408, DOI: [10.1051/0004-6361/202659563](#)
79. S. Bianchi, [et al.](#), *A XRISM View of the iron line complex in NGC 1068: Rethinking the Prototypical Compton-Thick AGN*, 2026, A&A, 710, A274, DOI: [10.1051/0004-6361/202659493](#)
78. G. Bruni, [et al.](#), *Symmetric kiloparsec-scale radio knots in NGC 7213: evidence for a confined weak jet*, 2026, A&A, 710, A217, DOI: [10.1051/0004-6361/202659584](#)
77. M. Jelínek, [et al.](#), *Thermal Electrons in an Ultra-Relativistic Shock Shape the Optical Afterglow of GRB 250702F*, 2026, A&A, 710, L1, DOI: [10.1051/0004-6361/202659667](#)
76. K. Murakami, [et al.](#), *A XRISM Study of Highly Ionized Iron Emission Lines from the Low-Eddington-ratio AGN in NGC 7213*, 2026, PASJ, [psag049](#), DOI: [10.1093/pasj/psag049](#)
75. X. Zhao, [et al.](#), *Transient Relativistic Iron Emission Line from an X-ray Flaring Supermassive Black Hole*, 2026, ApJ, 1000, 28, DOI: [10.3847/1538-4357/ae4482](#)
74. V. A. Diamantopoulos, [et al.](#), *Energy Dependence of X-ray Variability in NGC 4051 and NGC 4395*, 2026, A&A, 707, A189, DOI: [10.1051/0004-6361/202557606](#)
73. F. Zaidouni, [et al.](#), *XRISM finds the Changing-Look AGN NGC 1365 in an extended low state: A dense, highly ionized outflow obscures the central source*, 2026, ApJ Letters, 997, L26, DOI: [10.3847/2041-8213/ae307d](#)
72. M. Papoutsis, [et al.](#), *X-ray reverberation fits to the UV light curves of NGC 5548*, 2026, 705, A257, A&A, DOI: [10.1051/0004-6361/202557643](#)
71. M. Chira, [et al.](#), *Revisiting the X-ray-to-UV relation of Quasars in the era of all-sky surveys*, 2026, MNRAS, 545, 1, DOI: [10.1093/mnras/staf905](#)
70. X. Zhao, [et al.](#), *Fast X-ray variability from the coronæ of supermassive black holes*, 2025, ApJ Letters, 995, L72, DOI: [10.3847/2041-8213/ae290c](#)
69. [E. Kammoun](#), et al., *XRISM/Resolve reveals the complex iron structure of NGC 7213: Evidence for radial stratification between inner disk and broad-line region*, 2025, ApJ Letters, 994, L13, DOI: [10.3847/2041-8213/ae18c2](#)
68. J. M. Miller, [et al.](#), *The XRISM/Resolve Spectroscopy of the Central Engine in the Seyfert-1 AGN Mrk 279*, 2025, ApJ Letters, 994, L10, DOI: [10.3847/2041-8213/ae1606](#)
67. R. Serafinelli, [et al.](#), *Time-evolving diagnostic of the ionized absorbers in NGC 4051 I: High-resolution time-averaged spectroscopy*, ApJ, 2025, ApJ, 995, 6, DOI: [10.3847/1538-4357/ae1614](#)
66. O. K. Adegoke, [et al.](#), *The 2025 Failed Outburst of IGR J17091–3624: Spectral Evolution and the Role of Ionized Absorbers*, 2025, ApJ, 995, 143, DOI: [10.3847/1538-4357/ae1471](#)
65. G. Oganessian, [E. Kammoun](#), et al., *Ultra-long MeV transient from a relativistic jet: a tidal disruption event candidate*, 2025, A&A, 703, L2, DOI: [10.1051/0004-6361/202556591](#)
64. C. Degli Agosti, [et al.](#), *The WISSH quasar project - XII. X-ray view of the most luminous QSOs at Cosmic Noon*, 2025, A&A, 702, A114, DOI: [10.1051/0004-6361/202554943](#)

63. M. Papoutsis, [et al.](#), *X-ray reverberation modelling of the observed UV/optical power spectra of quasars*, 2025, A&A, 701, A295, DOI: [10.1051/0004-6361/202554220](#)
62. K. Gupta, [et al.](#), *BASS LIII: The Eddington Ratio as the Primary Regulator of the Fraction of X-ray Emission in Active Galactic Nuclei*, 2025, ApJ, 990, 86, DOI: [10.3847/1538-4357/adf0f8](#)
61. R. Amato, [et al.](#), *The population of hyperluminous X-ray sources as seen by XMM-Newton*, 2025, A&A, 701, A7, DOI: [10.1051/0004-6361/202555122](#)
60. M. Ewing, [et al.](#), *The very high X-ray polarisation of accreting black hole IGR J17091-3624 in the hard state*, 2025, MNRAS, DOI: [10.1093/mnras/staf859](#)
59. P. G. Boorman, [et al.](#), *XMM-Newton conclusively identifies an active galactic nucleus in a green pea galaxy*, 2025, ApJ, 988, 157, DOI [10.3847/1538-4357/ad727](#)
58. V. Foustoul, [et al.](#), *A catalog of candidate milli-parsec separation massive black hole binaries from long term optical photometric monitoring*, 2025, A&A, 699, A55, DOI: [10.1051/0004-6361/202452818](#)
57. [E. Kammoun](#), [et al.](#), *The UV to X-ray correlation in AGN within the framework of X-ray illumination of accretion discs*, 2025, A&A, 697, A55, DOI: [10.1051/0004-6361/202452629](#)
56. C. Panagiotou, [et al.](#), *Frequency-resolved time lags due to X-ray disk reprocessing in AGN*, 2025, ApJ, 983, 132: [10.3847/1538-4357/adbf95](#)
55. P. G. Boorman, [et al.](#), *The NuSTAR Local AGN N_{H} Distribution Survey (NuLANDS): Towards a Truly Representative Column Density Distribution in the Local Universe*, 2025, ApJ, 978, 118, DOI: [10.3847/1538-4357/ad8236](#)
54. J. A. García, [et al.](#), *The High Energy X-ray Probe (HEX-P): Science Overview*, 2024, FrASS, DOI: [10.3389/fspas.2024.1471585](#)
53. D. A. Langis, [et al.](#), *X-ray reverberation modelling of the continuum, optical/UV time lags in quasars*, 2024, A&A, 691, A252, 9, DOI: [10.1051/0004-6361/202450652](#)
52. V. E. Gianolli, S. Bianchi, [E. Kammoun](#), [et al.](#), *A second view on the X-ray polarization of NGC 4151 with IXPE*, 2024, A&A, 691, A29, 9, DOI: [10.1051/0004-6361/202451645](#)
51. M. Papoutsis, [et al.](#), *X-ray reverberation can explain the UV/optical variability in nearby Seyferts*, 2024, A&A, 691, A60, 16, DOI: [10.1051/0004-6361/202348603](#)
50. D. Bogensberger, [et al.](#), *The proper motions of X-ray jet knots in Centaurus A*, 2024, ApJ, 974, 307, DOI: [10.3847/1538-4357/ad73a1](#)
49. R. Serafinelli, [et al.](#), *Investigating the interplay between AGN coronal properties and hard X-ray variability with NuSTAR*, 2024, A&A, 690, 145, DOI: [10.1051/0004-6361/202450777](#)
48. E. Quintin, [et al.](#), *STONKS: A quasi-real time XMM-Newton transient detection system*, 2024, A&A, 687, A250, DOI: [10.1051/0004-6361/202348317](#)
47. [E. Kammoun](#), [et al.](#), *Broadband X-ray/UV/optical time-resolved spectroscopy of NGC 5548: The origin of the UV/optical variability in AGN*, 2024, A&A, 686, A69, DOI: [10.1051/0004-6361/202348686](#)
46. C. L. Greenwell, [et al.](#), *The NuSTAR Serendipitous Survey: the 80-month catalog & source properties of the high-energy emitting AGN and quasar population*, 2024, ApJS, 273, 20, DOI: [10.3847/1538-4365/ad4a71](#)
45. M. L. Saade, [et al.](#), *NuSTAR Observations of Candidate Subparsec Supermassive Black Holes*, 2024, ApJ, 966, 104, DOI: [10.3847/1538-4357/ad372e](#)
44. [E. Kammoun](#), [et al.](#), *The High Energy X-ray Probe (HEX-P): Probing the physics of the X-ray corona in active galactic nuclei*, 2024, FrASS, 10, 1308056 DOI [10.3389/fspas.2023.1308056](#)
43. P. G. Boorman, [et al.](#), *The High Energy X-ray Probe (HEX-P): The Circum-nuclear Environment of Growing Supermassive Black Holes*, 2024, FrASS, 11, 1335459, DOI: [10.3389/fspas.2024.1335459](#)
42. J. M. Piotrowska, [et al.](#), *The High Energy X-ray Probe (HEX-P): Constraining Supermassive Black Hole Growth with Population Spin Measurements*, 2024, FrASS, 11, 1324796, DOI: [10.3389/fspas.2024.1324796](#)
41. M. Brightman, [et al.](#), *The High Energy X-ray Probe (HEX-P): Sensitive broadband X-ray observations of transient phenomena in the 2030s*, 2024, FrASS, DOI: [10.3389/fspas.2023.1292656](#)

40. F. Civano, [et al.](#), *The High Energy X-ray Probe (HEX-P): the X-ray population contributing to peak of the Cosmic X-ray background*, 2024, FrASS, DOI: [10.3389/fspas.2024.1340719](#)
39. R. Pfeifle, [et al.](#), *The High Energy X-ray Probe (HEX-P): The Future of Hard X-ray Dual AGN Science*, 2024, FrASS, DOI: [10.3389/fspas.2024.1304652](#)
38. M. Zak, [et al.](#), *Fierce Feedback in an Obscured, Sub-Eddington State of the Seyfert 1.2 Markarian 817*, 2024, ApJL, 962, L1, DOI: [10.3847/2041-8213/ad1407](#)
37. D. Bogensberger, J. M. Miller, [E. Kammoun](#), et al., *Chandra spectroscopy of Centaurus A: Redshifted Fe K α line indicative of recoiling SMBH*, 2024, ApJ, 961, 150, DOI: [10.3847/1538-4357/ad1107](#)
36. A. G. Gonzalez, [et al.](#), *Characterizing X-ray, UV, and optical variability in NGC 6814 using high-cadence Swift observations from a 2022 monitoring campaign*, 2024, MNRAS, 527, 5569, DOI: [10.1093/mnras/stad3549](#)
- Erratum - DOI: [10.1093/mnras/stae1353](#)
35. [E. Kammoun](#), et al., *Revisiting UV/optical continuum time lags in AGN*, 2023, MNRAS, 526, 138, DOI: [10.1093/mnras/stad2701](#)
34. E. Quintin, [et al.](#), *Tormund's return : Quasi-Periodic Eruption features from a recent Tidal Disruption Event*, 2023, A&A, 675, DOI: [10.1051/0004-6361/202346440](#)
33. [E. Kammoun](#), Z. Igo, et al., *The first X-ray look at SMSS J114447.77-430859.3: the most luminous quasar in the last 9 Gyr*, 2023, MNRAS, 522 (4), 5217, DOI: [10.1093/mnras/stad952](#)
32. *M. Lefkir, [E. Kammoun](#), et al., *A hard look at the X-ray variability of NGC 7582*, 2023, MNRAS, 522, 1169, DOI: [10.1093/mnras/stad995](#)
31. I. M. McHardy, [et al.](#), *First detection of the outer edge of an AGN accretion disc: Very fast multiband optical variability of NGC 4395 with HiPERCAM and the LT*, 2023, MNRAS, 519 (3), 3366, DOI: [10.1093/mnras/stac3651](#)
30. S. Ansh, [et al.](#), *NuSTAR observations of a heavily X-ray obscured AGN in the dwarf galaxy J144013+024744*, 2023, ApJ, 942, 82, DOI: [10.3847/1538-4357/ac9382](#)
29. D. Barret, [et al.](#), *The Athena X-ray Integral Field Unit: a consolidated design for the system requirement review of the preliminary definition phase*, 2023, Experimental Astronomy, DOI: [10.1007/s10686-022-09880-7](#)
28. G. Matzeu, [et al.](#), *A New Emulated Monte Carlo Radiative Transfer Disk-Wind Model: X-Ray Accretion Disk-wind Emulator - XRADE*, 2022, MNRAS, 515, 6172, DOI: [10.1093/mnras/stac2155](#)
27. C. Panagiotou, [et al.](#), *A physical model for the UV/optical power spectra of AGN*, 2022, ApJ, 935, 93, DOI: [10.3847/1538-4357/ac7e4d](#)
26. I. E. Papadakis, M. Dovciak, [E. Kammoun](#), *X-ray illuminated accretion discs and the quasar microlensing disc sizes*, 2022, A&A, 666, 11, DOI: [10.1051/0004-6361/202142962](#)
25. [E. Kammoun](#), D. Barret, et al., *The defocused observations of bright sources with Athena/X-IFU*, 2022, A&A, 664, 29, DOI: [10.1051/0004-6361/202243606](#)
24. M. Dovciak, I. E. Papadakis, [E. Kammoun](#), W. Zhang, *Physical model for the broadband energy spectrum of X-ray illuminated accretion discs: Fitting the spectral energy distribution of NGC 5548*, 2022, A&A, 661, 135, DOI: [10.1051/0004-6361/202142358](#)
23. P. Draghis, [et al.](#), *The Spin and Orientation of the Black Hole in XTE J1908+094*, 2021, ApJ, 920, 88, DOI: [10.3847/1538-4357/ac1270](#)
22. J. M. Miller, [et al.](#), *The Inner Accretion Flow in the Resurgent Seyfert-1.2 AGN Mrk 817*, 2021, ApJL, 911, L12, DOI: [10.3847/2041-8213/abef6f](#)
21. [E. Kammoun](#), I. E. Papadakis, M. Dovciak, *Modelling the UV/optical continuum time-lags in AGN*, 2021, MNRAS, 503 (3), 4163, DOI: [10.1093/mnras/stab725](#)
20. B. Balakrishnan, [et al.](#), *The novel obscured state of stellar-mass black hole GRS 1915+105*, 2021, ApJ, 909, 41, DOI: [10.3847/1538-4357/abd6cb](#)

19. **E. Kammoun**, M. Dovciak, I. E. Papadakis, et al. *UV/Optical Disk Thermal Reverberation in Active Galactic Nuclei: An In-depth Study with an Analytic Prescription for Time-lag Spectra*, 2021, ApJ, 907, 20, DOI: [10.3847/1538-4357/abcb93](https://doi.org/10.3847/1538-4357/abcb93)
18. J. M. Miller, **et al.**, *An Obscured, Seyfert 2-like State of the Stellar-mass Black Hole GRS 1915+105 Caused by Failed Disk Winds*, 2020, ApJ, 904, 30, DOI: [10.3847/1538-4357/abbb31](https://doi.org/10.3847/1538-4357/abbb31)
17. C. Panagiotou, I. E. Papadakis, **E. Kammoun** & M. Dovciak, *Multiwavelength power-spectrum analysis of NGC 5548*, 2020, MNRAS, 499 (2), 1998, DOI: [10.1093/mnras/staa2920](https://doi.org/10.1093/mnras/staa2920)
16. **E. Kammoun**, J. M. Miller, M. Koss, et al., 2020, *A hard look at local, optically-selected, obscured Seyfert galaxies*, 2020, ApJ, 901, 161, DOI: [10.3847/1538-4357/abb29f](https://doi.org/10.3847/1538-4357/abb29f)
15. G. Matzeu, **et al.**, *The first broadband X-ray view of the narrow line Seyfert 1 Ton S180*, 2020, MNRAS, 497, 2352, DOI: [10.1093/mnras/staa2076](https://doi.org/10.1093/mnras/staa2076)
14. P. Draghis, **et al.**, *A New Spin on an Old Black Hole: NuSTAR Spectroscopy of EXO 1846–031*, 2020, ApJ, 900, 78, DOI: [10.3847/1538-4357/aba2ec](https://doi.org/10.3847/1538-4357/aba2ec)
13. **E. Kammoun**, E. Nardini, A. Zoghbi, et al. *The nature of the broadband X-ray variability in the dwarf Seyfert galaxy NGC 4395*, 2019, ApJ, 886, 145, DOI: [10.3847/1538-4357/ab5110](https://doi.org/10.3847/1538-4357/ab5110)
12. J. M. Miller, **E. Kammoun** et al. *A NICER Look at Strong X-ray Obscuration in the Seyfert-2 Galaxy NGC 4388*, 2019, ApJ, 884, 106, DOI: [10.3847/1538-4357/ab3e05](https://doi.org/10.3847/1538-4357/ab3e05)
11. **E. Kammoun**, I. E. Papadakis & M. Dovciak, *A Hard Look at Thermal Reverberation and Optical/UV lags in NGC 5548*, 2019, ApJL, 879, L24, DOI: [10.3847/2041-8213/ab2a72](https://doi.org/10.3847/2041-8213/ab2a72)
10. **E. Kammoun**, J. M. Miller, A. Zoghbi, et al., *A Hard look at NGC 5347: Revealing a Nearby Compton-thick AGN*, 2019, ApJ, 877, 102, DOI: [10.3847/1538-4357/ab1c5f](https://doi.org/10.3847/1538-4357/ab1c5f)
9. **E. Kammoun**, V. Domcek, J. Svoboda et al., *Steep X-ray reflection emissivity profiles in AGN as the result of radially structured disc ionization*, 2019, MNRAS, 485 (1), 239, DOI: [10.1093/mnras/stz408](https://doi.org/10.1093/mnras/stz408)
8. **E. Kammoun** & I. E. Papadakis, *The nature of X-ray spectral variability in SWIFT J2127.4+5654*, 2018, MNRAS, 480 (3), 3412, DOI: [10.1093/mnras/sty2067](https://doi.org/10.1093/mnras/sty2067)
7. **E. Kammoun**, F. Marin, M. Dovciak et al., *X-ray spectral and polarimetric signatures of X-ray eclipses in AGN*, 2018, MNRAS, 480 (3), 3243, DOI: [10.1093/mnras/sty2084](https://doi.org/10.1093/mnras/sty2084)
6. F. Marin, M. Dovciak & **E. Kammoun**, *Contribution of parsec-scale material onto the polarized X-ray spectrum of type-1 Seyfert galaxies*, 2018, MNRAS, 478, 950, DOI: [10.1093/mnras/sty1062](https://doi.org/10.1093/mnras/sty1062)
5. **E. Kammoun**, E. Nardini & G. Risaliti, *Testing the accuracy of reflection-based supermassive black hole spin measurements in AGN*, 2018, A&A, 614, A44, DOI: [10.1051/0004-6361/201732377](https://doi.org/10.1051/0004-6361/201732377)
4. **E. Kammoun**, E. Nardini, G. Risaliti et al., *Bulk Comptonization: new hints from the luminous blazar 4C+25.05*, 2018, MNRASL, 473 (1), L89, DOI: [10.1093/mnras/lsx164](https://doi.org/10.1093/mnras/lsx164)
3. **E. Kammoun** & I. E. Papadakis, *The nature of X-ray spectral variability in MCG–6–30–15*, 2017, MNRAS, 472 (3), 3131, DOI: [10.1093/mnras/stx2181](https://doi.org/10.1093/mnras/stx2181)
2. **E. Kammoun**, G. Risaliti, D. Stern et al., *Coronal properties of the luminous radio-quiet quasar QSO B2202–209*, 2017, MNRAS, 465 (2), 1665, DOI: [10.1093/mnras/stw2897](https://doi.org/10.1093/mnras/stw2897)
1. **E. Kammoun**, I. E. Papadakis, & B. M. Sabra, *Variability of the soft X-ray excess in IRAS 13224–3809*, 2015, A&A, 582, A40, DOI: [10.1051/0004-6361/201526811](https://doi.org/10.1051/0004-6361/201526811)

Books/Mission Science Books

1. M. Koss, **et al.**, *The Advanced X-ray Imaging Satellite Community Science Book*, [arXiv:2511.00253](https://arxiv.org/abs/2511.00253)

General Coordinates Network (GCN) / Astronomer's Telegram (ATel)

7. G. Waratkar, **E. Kammoun**, 2026 GRB 260310A/AT2026fgk: NuSTAR detection of the rebrightening, GCN:44278
6. Y. Ishihara, **et al.**, 2026, XRISM/Xtend Transient Search (XTS) detected an X-ray brightening of XRISM J1847+8008, ATel:17768

5. [E. Kammoun](#), et al., *GRB 260310A/AT2026fgk: NuSTAR follow-up detection*, [GCN:44063](#)
4. [E. Kammoun](#), J. M. Miller, A. C. Fabian, *NuSTAR and Swift observations of SMSS J114447.770-430859.3*, [ATel: 15510](#)
3. J. M. Miller, A. C. Fabian, [E. Kammoun](#), *Initial X-ray Spectroscopy of SMSSJ114447.77-430859.3*, 2022, [ATel: 15452](#)
2. J. M. Miller, [et al.](#), *The Seyfert 1.2 Mrk 817 is in a Very Heavily Obscured State*, 2022, [ATel: 15323](#)
1. J. M. Miller, [et al.](#), *A NuSTAR Observation of the Black Hole Candidate 4U 1755-338*, 2020, [ATel: 13665](#)

Proceedings

2. I. E. Papadakis, [E. Kammoun](#), & M. Dovciak, *Accretion Disc Thermal Reverberation in the Lamp Post Geometry*, 2019, MDPI Proceedings 2019, 17, 12, DOI: [10.3390/proceedings2019017012](#)
1. [E. Kammoun](#), E. Nardini & G. Risaliti, *On the accuracy of reflection-based supermassive black hole spin measurements in AGN*, 2018, AIP Conference Proceedings, Vol. 2032, DOI: [10.1063/1.5067262](#)