

## Personal Information

Name Nathalie Degenaar  
Nationality Dutch

## Contact Information

University of Amsterdam – Anton Pannekoek Institute for Astronomy  
Science Park 904, office C4.120  
Amsterdam, The Netherlands  
Phone +31 20 525 3994  
E-mail [degenaar@uva.nl](mailto:degenaar@uva.nl)  
Web <https://nathaliedegenaar.com>

## Research Interests

X-ray binaries as probes of binary evolution  
Jets and disk winds from X-ray binaries  
The impact of outflows on binary evolution and the interstellar medium  
Multi-wavelength observations of X-ray binaries  
Low-luminosity accretion onto neutron stars and stellar-mass black holes  
Probing ultra-dense matter through neutron stars

## Research Positions

2020–present Assistant professor (Universitair Docent), University of Amsterdam  
2016–2020 Vidi research group leader, University of Amsterdam  
2014–2016 Marie Curie research fellow, University of Cambridge, UK  
2011–2014 Hubble research fellow, University of Michigan, USA  
2010–2011 Postdoctoral researcher, University of Amsterdam

## Education

2006–2010 PhD in Astronomy, University of Amsterdam  
Thesis title: *Exploring sub-luminous X-ray binaries*  
2004–2006 Master degree in Astronomy (*cum laude*), University of Amsterdam

## Grants and Fellowships

2020 XS grant from NWO – 50 000 euro  
2015 Vidi grant from NWO (5 years) – 800 000 euro  
2015 St John’s College Research Fellowship (5 years) in Cambridge, UK  
2014 Marie Skłodowska-Curie fellowship from the EC (2 years) – 280 000 euro  
2011–2014 Observing grants from Hubble, Chandra, XMM-Newton, Swift – 605 000 euro  
2011 Hubble fellowship from NASA (3 years) – 340 000 euro

## Scientific Networks and Academy Memberships

2018–present Member of the International Astronomical Union (IAU)  
2018–present Leader of the MeerLICHT working group for accreting neutron stars  
2017–present Joint Institute for Nuclear Astrophysics, Center for the Evolution of the Elements  
International partner, network for studying nuclear elements in the universe

## Management Responsibilities

2020–present Deputy chair of the Dutch science network NOVA-NW3  
2020–present Exam committee Physics & Astronomy program at the University of Amsterdam  
2017–present Management Committee of the European neutron-star network PHAROS  
2009–present Leader of the Swift Galactic center X-ray monitoring team of the Swift satellite  
2007–2009 Secretary of the Dutch national committee of astronomy education (LOCNOC)

## Overview of Research Output

### Publication Record Summary

First author refereed publications	33 (10 Letters, 3 reviews)
First author non-refereed publications	63
Co-author refereed publications	117 (21 Letters, 2 reviews)
Co-author non-refereed publications	135

### Talk Record Summary

Invited talks international conferences	28
Colloquia and seminars	26
Contributed talks conferences	19

### Telescope Time Acquisition Record Summary

PI accepted observing proposals	179
Co-I accepted observing proposals	148

Facilities used as PI:	X-ray	Chandra, XMM-Newton, NuSTAR, Swift, RXTE
	UV	Hubble Space Telescope
	Optical/nIR	VLT, SMARTS, INT, Gemini, Magellan
	Radio	VLA, ATCA

### Organization of Scientific Meetings Summary

SOC chair, LOC	<i>From Winds to Jets: The Role of Outflows in X-ray Binaries</i> Held in Amsterdam, July 2019. International workshop, 65 participants
SOC chair, LOC	<i>ICONS: Investigating the Crust of Neutron Stars</i> Held in Amsterdam, April 2019. International workshop, 40 participants
SOC, LOC, treasurer	<i>A decade of accreting millisecond X-ray pulsars</i> Held in Amsterdam, April 2008. International workshop, 60 participants
SOC (19)	<i>A total of 19 other international conferences and workshops, see CV Appendix</i> Between 2009 and 2020, various countries, 50–200 participants each
LOC (2)	<i>A total of 2 other international conferences, see CV Appendix</i> Held in 2009 and 2011 in the Netherlands, 200 participants each

### Editorial and Panel Work

Journal referee	Science, Astrophysical Journal (ApJ), Astronomy & Astrophysics (A&A) Monthly Notices of the Royal Astronomical Society (MNRAS), New Astronomy
Co-editor	<i>A decade of accreting millisecond X-ray pulsars</i> (2008) American Institute of Physics Journals Conference Proceedings 1068
Fellowship panels	NASA Earth Space and Science Fellowship (NESSF, 2013) NASA Hubble Fellowship Program (NHFP, 2018) Research Council Academy of Finland (2021)
Time allocation panels	Gemini (2013), Chandra (2014, 2018), ING (2017, 2018), AstroSAT (2017, 2018), ESO (2018, 2021), Chinese TAP (2018), INTEGRAL (2019, 2020)

### Selection of Press

2020	Athena science nugget <i>Accretion disks torn apart by magnetic neutron stars</i>
2020	AAS research highlight <i>Jet-setting in the infrared</i>
2019	Dutch radio interview <i>Met het oog op morgen: Onmogelijk zwart gat ontdekt</i>
2018	NRAO press release <i>VLA discovers jet coming from wrong kind of star</i>
2017	NOVA press release <i>High-magnetic field neutron stars can launch jets</i>
2017	ESA/NASA press release <i>Mind the Gap: Rapid Burster behaviour explained</i>
2014	NASA press release <i>NASA's Swift catches X-ray action at Milky Way's center</i>
2014	Press conference American Astronomical Society (AAS), Washington DC, USA <i>On the watch for a revival of the Milky Way's supermassive black hole</i>

## Selection of Press – Continued

2014	<i>Dutch newspaper (NRC) interview ‘Gaswolk op weg naar het grote zwarte gat’</i>
2014	BBC news interview <i>Black hole’s Big Meal could spark fireworks</i>
2014	High-energy astrophysics picture of the week <i>Action at the Galactic center</i>
2013	Sky & Telescope article <i>A cosmic sleight of hand</i>
2012	German radio interview <i>Snacks für das Schwarze Loch</i>
2010	NASA press release <i>Eclipsing pulsar promises clues to crushed matter</i>

## Selection of Outreach

2021	<i>Viva Fysica</i> for high-school students and teachers. University of Amsterdam
2019–2020	<i>Sounds of Interstellar Space</i> with the jazz combo TRIFID. Different locations in NL Concert and lecture series, <a href="http://www.soundsofinterstellarspace.nl">http://www.soundsofinterstellarspace.nl</a>
2019	<i>Enrichment project</i> for girls in 2nd grade, Cygnus gymnasium, Amsterdam, NL
2018	<i>Astronomy Olympiad</i> lecturer, highschool students. University of Amsterdam, NL
2017	<i>Public evening lectures</i> . Anton Pannekoek Institute, University of Amsterdam, NL
2016	<i>Fellows pre-dinner lecture series</i> . St John’s College. Cambridge, UK
2016	<i>STEM Subject Days</i> . St John’s College. Cambridge, UK Outreach events for year-12 students (aged 15–18) from state school backgrounds
2016	<i>Public evening lectures</i> . Institute of Astronomy, University of Cambridge, UK
2015	<i>Interviews</i> with girls in secondary school (5th grade). Different locations in NL
2012–2013	<i>FEMMES (Females Excelling More in Math, Engineering and Science)</i> . Activities for girls in secondary schools from underserved areas. Ann Arbor, USA
2008–2011	<i>Interviews/lectures for scholars in secondary school</i> . Amsterdam, NL

## Overview of Teaching Output

### Supervision of Postdoc Projects

2019–2020	Dr. A. Parikh, University of Amsterdam Primary supervisor, funded by my Vidi research grant Now Quantitative Risk Analyst at ABN Amro bank
2016–2019	Dr. J. Hernández Santisteban, University of Amsterdam Primary supervisor, funded by my Vidi research grant Now postdoctoral fellow at the University of St. Andrews, Schotland

### Supervision of PhD Projects

2019	Mr. K. Alizai, University of Amsterdam. Promotor Chenevez, graduating in 2021. Exchange visit (4 months) from the Technical University of Denmark
2016–2020	Dr. J. van den Eijnden, University of Amsterdam Primary supervisor, funded by my Vidi research grant. Now Junior Research Fellow at St. Hilda’s College and the University of Oxford, UK
2015–2019	Dr. A. Parikh, University of Amsterdam. Co-supervisor, promotor Wijnands Now Quantitative Risk Analyst at ABN Amro bank
2015–2019	Dr. A. Rouco Escorial, University of Amsterdam. Co-supervisor, promotor Wijnands Now postdoctoral fellow at the University of Northwestern, USA
2009–2013	Dr. M. Armas Padilla, University of Amsterdam. Co-supervisor, promotor Wijnands Now La Caixa independent postdoctoral fellow at the IAC Tenerife, Spain

### Supervision of Master and Undergraduate Research Projects

2016–2020	12 MSc projects, 11 BSc projects, see CV Appendix. University of Amsterdam
-----------	--

### Lecturing

2020	Lecturer <i>Structure and Evolution of Stars</i> , MSc students. University of Amsterdam
2020	University Teaching Degree (BKO certificate). University of Amsterdam
2019, 2020	Lecturer <i>Astrophysics</i> , BSc students (year 2). University of Amsterdam
2016–2020	Regular guest lecturer, different courses, see CV Appendix. University of Amsterdam

## Full List of Invited talks at International Conferences

- 2021 September: Micro-quasar workshop. Cagliari (Sardinia), Italy  
**Invited review:** *The physics of accretion and ejection*
- 2020 October: Chandra frontiers of time domain science. Online.  
**Invited review:** *Accretion and outflows in neutron star low-mass X-ray binaries*  
 June: EAS 2020, XMM-Newton: Current scientific highlights and future prospects. Online.  
**Invited review:** *Low-mass X-ray binaries and transitional millisecond pulsars*
- 2019 December: Texas 2019, Relativity at work: discs, jets and magnetic fields. Portsmouth, UK  
**Review:** *The neutron star jet and magnetic field paradigm*  
 June: Connecting thermonuclear burst research to a wider community. Leiden, NL  
**Invited review:** *Observational signatures of X-ray bursts affecting accretion in X-ray binaries*
- 2018 August: Chandra workshop, Accretion in stellar systems. Boston, USA  
**Invited review:** *Outflows from X-ray binaries*
- 2017 June: EWASS symposium. Prague, Czech republic  
**Invited review:** *Crust heating and cooling of transiently accreting neutron stars*  
 February 2017: Nuclear reactions in superdense matter – Laboratory to stars. Bern, Switzerland  
**Invited talk:** *Crust constraints from observing neutron star low-mass X-ray binaries in quiescence*  
 January: The disk-magnetosphere interaction for transitional pulsars. Bern, Switzerland  
**Invited talk:** *Low-level accretion in neutron star low-mass X-ray binaries*
- 2016 October: Gamma-ray astrophysics in multi-wavelength perspective. Amsterdam, NL  
**Invited review:** *Low-level accretion in neutron star LMXBs*  
 May: Stellar remnants at the junction. Junction, Texas, USA  
**Invited review:** *Compact objects accreting at low mass-accretion rates*  
 January: Transient thinkshop 2016. Bormio, Italy  
**Invited review:** *The X-ray view of Galactic X-ray binaries*
- 2015 August: The zoo of accreting compact objects workshop. Leiden, NL  
**Invited review:** *The quiescent properties of neutron star low-mass X-ray binaries*  
 July: Paving the way to simultaneous multi-wavelength astronomy. Leiden, NL  
**Invited talk:** *Multi-wavelength observations and modeling of Sgr A\**  
 June: 40 years of X-ray bursts. Madrid, Spain  
**Invited talk:** *The delicate connection between X-ray bursts and the accretion flow*  
 May: Coronae in the flashlight. Beijing, China  
**Invited talk:** *NuSTAR observations of the changing accretion morphology during X-ray bursts*
- 2014 December: Probing deep inside the neutron star crust. Bern, Switzerland  
**Invited talk:** *New observational results in neutron star crust cooling*  
 December: Swift mission conference, celebrating ten years. Rome, Italy  
**Invited talk:** *A Swift legacy: The X-ray monitoring campaign of the Galactic center*  
 January: American Astronomical Society's winter meeting. Washington DC, USA  
**Invited talk:** *News from the Galactic center: daily X-ray monitoring observations with Swift*
- 2013 December: European Space Research and Technology Center (ESTEC). Noordwijk, NL  
**Invited talk:** *Slowly accreting neutron stars and black holes*  
 October: Swift mission conference. State College, USA  
**Invited talk:** *A Swift legacy: The X-ray monitoring campaign of the Galactic center*

- September: Probing deep inside the neutron star crust. Bern, Switzerland  
**Invited talk:** *An update on the crust cooling curves of EXO 0748–676 and Terzan 5 X-2*
- September: Probing deep inside the neutron star crust. Bern, Switzerland  
**Invited talk:** *Evidence of crust cooling in short-outburst transients?*
- March: Annual Hubble fellowship symposium. STScI, Baltimore, USA  
**Invited talk:** *Feeding the supermassive black hole in the center of the Milky Way Galaxy*
- 2012 October: Nuclear astrophysics town meeting. Detroit, USA  
**Invited talk:** *Heating and cooling of transiently accreting neutron stars*
- 2011 March: Mapping neutron stars with Type-I X-ray bursts. Bern, Switzerland  
**Invited talk:** *Long thermonuclear bursts from hydrogen accretors*
- 2010 July: X-ray bursts and burst oscillations. Leiden, NL  
**Invited talk:** *X-ray bursters accreting at low luminosities*
- 2009 May: Defining the neutron star crust. Santa Fe, USA  
**Invited talk:** *Crustal cooling of EXO 0748–676 and XTE J1701–462*

## Full List of Colloquia and Seminars

- 2019 June: L’Institut de Recherche en Astrophysique et Planétologie (IRAP). Toulouse, France  
**Colloquium:** *The important role of outflows in X-ray binaries*
- February: European Space Astronomy Center (ESAC). Madrid, Spain  
**Colloquium:** *Radio jets launched by strongly magnetic neutron stars*
- January: Netherlands Institute for Space Research (SRON). Utrecht, NL  
**Colloquium:** *The important role of outflows in X-ray binaries*
- 2018 October: University of Amsterdam. Amsterdam, NL  
**Colloquium:** *The launching, mass loss and power of X-ray binary outflows*
- April: New York University Abu Dhabi. Abu Dhabi, United Arab Emirates  
**Colloquium:** *Probing dense matter physics with neutron stars*
- 2017 January: Dutch astronomers member’s council meeting. Amsterdam, NL  
**Colloquium:** *The appetite of a neutron star*
- 2016 October: IoA seminar. University of Cambridge, Cambridge, UK  
**Seminar:** *Probing the physics of neutron stars with X-ray observations*
- July: X-ray group seminar. University of Cambridge, Cambridge, UK  
**Seminar:** *An in-depth study of a neutron star accreting at low Eddington rate*
- April: X-ray group seminar. University of Cambridge, Cambridge, UK  
**Seminar:** *Disk reflection and a possible disk wind during the soft state of 1RXS J180408.9–342058*
- 2015 November: Gravity seminar. University of Southampton. Southampton, UK  
**Seminar:** *Probing fundamental physics with accreting neutron stars*
- November: X-ray group seminar. University of Cambridge, Cambridge, UK  
**Seminar:** *NuSTAR observations of neutron star low-mass X-ray binaries*
- October: Sabancı University. Istanbul, Turkey  
**Seminar:** *Crust cooling of neutron stars as a probe of fundamental physics*
- July: X-ray group seminar. University of Cambridge, Cambridge, UK  
**Seminar:** *Probing accretion flows with thermonuclear X-ray bursts*
- February: IoA seminar. University of Cambridge, Cambridge, UK  
**Seminar:** *Monitoring the supermassive black hole in the Milky Way Galaxy*
- 2014 October: High-energy astrophysics seminar. University of Michigan, Ann Arbor, USA  
**Seminar:** *Low-level accretion flows in X-ray binaries*
- October: Physics seminar. University of Michigan, Ann Arbor, USA  
**Seminar:** *Neutron stars as probes of fundamental physics*

- April: X-ray group seminar. University of Cambridge, Cambridge, UK  
**Seminar:** *Peeking into the crust of neutron stars*
- March: Astrophysics seminar. University of Southampton, Southampton, UK  
**Seminar:** *Probing fundamental physics with transiently accreting neutron stars*
- January: Max Planck institut für Extraterrestrische physik, Garching, Germany  
**Colloquium:** *Probing fundamental physics with transiently accreting neutron stars*
- 2013 March: Annual Hubble fellowship symposium. STScI, Baltimore, USA  
**Seminar:** *Feeding the supermassive black hole in the center of the Milky Way Galaxy*
- 2012 September: Astrophysics colloquium. Michigan State University, East Lansing, USA  
**Colloquium:** *Probing fundamental physics with transiently accreting neutron stars*
- April: Astrophysics seminar. University of Michigan, Ann Arbor, USA  
**Seminar:** *Probing fundamental physics with transiently accreting neutron stars*
- March: Annual Hubble fellowship symposium. STScI, Baltimore, USA  
**Seminar:** *Probing fundamental physics with transiently accreting neutron stars*
- February: Astrophysics seminar. University of Wisconsin, Milwaukee, USA  
**Seminar:** *Probing fundamental physics with transiently accreting neutron stars*
- 2009 November: Astrophysics colloquium. University of Leicester, UK  
**Colloquium:** *Crust cooling of accretion heated neutron stars*

## Full List of Contributed Conference Talks

- 2019 December: Texas 2019, Relativity at work: neutron stars. Portsmouth, UK  
**Talk:** *Probing the interior of transiently accreting neutron stars*
- 2014 August: The 40<sup>th</sup> COSPAR Scientific Assembly. Moscow, Russia  
**Talk:** *An accretion disk swept up by a powerful thermonuclear X-ray burst*
- August: The 40<sup>th</sup> COSPAR Scientific Assembly. Moscow, Russia  
**Talk:** *The Swift Monitoring Campaign of the Galactic center*
- March: Structure and Signal of Neutron Stars, from Birth to Death. Florence, Italy  
**Talk:** *Probing the crusts of transiently accreting neutron stars*
- 2013 November: JSI 2013 workshop, Putting Accretion Theory to the Test. Annapolis, USA  
**Talk:** *Swift J1910.2–0546: A new perspective on accretion flows*
- September: Chandra XVP meeting 2013. Santa Fe, USA  
**Talk:** *Update on the Swift monitoring campaign of the Galactic Center*
- April: High Energy Astrophysics Division (HEAD) 2013. Monterey, USA  
**Talk:** *The Swift monitoring campaign of Sagittarius A\**
- March: Compact Objects in Michigan. Wayne State University, Detroit, USA  
**Talk:** *The Swift monitoring campaign of Sagittarius A\**
- 2012 August: 28<sup>th</sup> IAU General Assembly, Beijing, China  
**Talk:** *A new breakthrough in understanding the crusts of neutron stars*
- August: 28<sup>th</sup> IAU General Assembly, Beijing, China  
**Talk:** *Seven years of nearly-daily observations of Sgr A\* with Swift*
- July: X-ray Binaries, Celebrating 50 years since the Discovery of Sco X-1. Boston, USA  
**Talk:** *Probing Fundamental Physics with Transiently Accreting Neutron Stars*
- June: CompStar 2012, The physics of compact stars. Tahiti, French Polynesia  
**Talk:** *A new breakthrough in understanding the crusts of neutron stars*
- 2011 October: Swift mission conference. Clemson, USA  
**Talk:** *Rare thermonuclear X-ray bursts caught by Swift*
- September: High Energy Astrophysics Division (HEAD) 2011. Newport (RI), USA  
**Talk:** *Probing fundamental physics with transiently accreting neutron stars*

- July: International conference Physics of Neutron Stars 2011. St. Petersburg, Russia  
**Talk:** *Transiently accreting neutron stars: peeking into their crusts*
- 2010 March: High Energy Astrophysics Division (HEAD) 2010. Hawaii Big Island, USA  
**Talk:** *Very-faint X-ray binaries*
- 2009 November: Swift mission conference: Celebrating five years. Penn State, USA  
**Talk:** *Swift as a key tool to study sub-luminous X-ray transients*
- June: NOVA Network III Science Meeting. Amsterdam, NL  
**Talk:** *Crust cooling of accretion heated neutron stars*
- 2008 July: The 37<sup>th</sup> COSPAR Scientific Assembly. Montreal, Canada  
**Talk:** *Sub-luminous X-ray transients near the Galactic center*

## Full List of Conference Organization

- 2021 June: **SOC** *The first Vasto accretion meeting*. Vasto, Italy
- 2020 August: **SOC** *Accretion on All Scales*. Sydney, Australia  
 August: **SOC** *Accretion and Ejection in Galactic Compact Objects*. Sydney, Australia
- 2019 October: **SOC** *New Horizons in Galactic Center Astronomy and Beyond*. Yokohama, Japan  
 July: **SOC chair** *From Winds to Jets: The Role of Outflows in X-ray Binaries*. Amsterdam, NL  
 May: **SOC chair** *Delving into the neutron star crust*. Amsterdam, NL
- 2018 October: **SOC** *Time-Domain Astrophysics with Swift*. Clemson, USA  
 June: **SOC** *Bursts and nuclei*. Prato, Italy
- 2017 October: **SOC** *Fermi 2017*. Garmisch-Partenkirchen, Germany  
 September: **SOC** *La Gomera Accretion Week*. La Gomera, Spain  
 June: **SOC** *The X-ray Universe 2017*. Rome, Italy  
 June: **SOC** *Exploring Neutron Star Structure by Timing and Spectroscopy*. Prague, Czech republic  
 February: **SOC** *The New Era of X-ray Astronomy*. London, UK
- 2016 August: **SOC** *Chandra Science for the Next Decade*. Boston, USA  
 August: **SOC** *Universal Accretion*. Aspen, USA  
 May: **SOC** *Stellar remnants*. Junction, USA  
 August: **SOC** *Accretion in neutron star and black hole X-ray binaries* (cancelled). Istanbul, Turkey  
 August: **SOC** *Crust cooling in accreting neutron stars and magnetars* (cancelled). Istanbul, Turkey
- 2015 June: **SOC** *40 years of X-ray bursts*. Madrid, Spain
- 2011 September: **LOC** *First LOFT Science Meeting*. Amsterdam, NL
- 2009 May: **LOC** *Nederlandse Astronomen Conferentie*. Kerkrade, NL
- 2008 April: **SOC and LOC treasurer** *A decade of accreting millisecond X-ray pulsars*. Amsterdam, NL

## Full List of Observing Grants

- 2015 **Chandra**, *Probing the physics of neutron stars using Terzan 5*, USD 27 000  
**Swift**, *A Swift legacy: the monitoring campaign of the Galactic Center*, USD 40 000
- 2014 **HST**, *The nature of the transient X-ray binary Swift J1910.2–0546*, USD 50 000  
**HST**, *The evolutionary link between LMXBs and radio millisecond pulsars*, USD 50 000  
**Swift**, *A Swift legacy: the monitoring campaign of the Galactic Center*, USD 40 000  
**Chandra**, *The nature of the transient X-ray binary Swift J1910.2–0546*, USD 37 000
- 2013 **HST**, *The evolution and accretion morphology of Swift J1357.2–0933*, USD 51 000

- Swift**, *A Swift legacy: the monitoring campaign of the Galactic Center*, USD 37 000
- Swift**, *Crust cooling of accretion-heated neutron stars*, USD 36 000
- Chandra**, *Observing a cooling neutron star crust in Terzan 5*, USD 57 000
- XMM-Newton**, *The peculiar X-ray burster SAX J2224.9+5421*, USD 59 000
- 2012 **HST**, *The X-ray and UV spectra of EXO 0748–676*, USD 49 000
- Chandra**, *The X-ray and UV spectra of EXO 0748–676*, USD 38 000
- Chandra**, *A snapshot survey of Galactic Be/X-ray transients in quiescence*, USD 41 000
- Chandra**, *Observations of a cooling neutron star crust in Terzan 5*, USD 49 000
- 2011 **Chandra**, *Quiescent monitoring of the 11 Hz X-ray pulsar in Terzan 5*, USD 46 000

## Full List of Accepted Observing Proposals as Principal Investigator

### Radio PI Proposals

<i>Proposal Description</i>	<i>Observatory/cycle</i>	<i>Time</i>
A young stripped star in the intriguing binary LB-1?	VLA 2020B	2 hours
Swift/VLA monitoring of a giant Be/X-ray binary outburst	VLA 2019AB	6 hours
Jet outflows from a magnetic propeller	VLA 2017B	5 hours
The accretion flow properties of sub-luminous X-ray binaries	VLA 2017A	10 hours
X-ray/radio correlation for neutron star X-ray binaries	VLA 2014A	38 hours
X-ray/radio correlation for neutron star X-ray binaries	VLA 2013A	9 hours
The accretion-jet connection for neutron stars	ATCA 2017B	84 hours
DDT to search for the radio counterpart of GRO J1744–28	ATCA 2017A	8 hours
The accretion-outflow connection for neutron stars	ATCA 2016A	12 hours

### Optical/near-infrared PI Proposals

<i>Proposal Description</i>	<i>Observatory/cycle</i>	<i>Time</i>
DDT for a rare chance to identify an unusual black hole system	NTT 2019B	4.5 hours
Mapping accretion disk winds across the electromagnetic spectrum	VLT 2020A	4 hours
Feedback from low-mass X-ray binaries into the ISM	VLT 2019A	3 hours
Unravelling unusual accreting neutron stars and black holes	VLT 2018A	3 hours
Unravelling unusual accreting neutron stars and black holes	VLT 2017A	3 hours
Feedback from low-mass X-ray binaries into the ISM	INT 2018B	7 nights
Disruption of a gas cloud by the supermassive black hole Sgr A*	Magellan 2014B	1 night
Disruption of a gas cloud by the supermassive black hole Sgr A*	Magellan 2014A	1 night
Infrared spectroscopy of sub-luminous neutron star X-ray binaries	Magellan 2014A	3 nights
Disruption of a gas cloud by the supermassive black hole Sgr A*	Magellan 2013B	4 nights
Infrared imaging of sub-luminous neutron star X-ray binaries	Magellan 2013A	3 nights
Optical spectroscopy of MAXI J1305–704 and Cen X-4	Magellan 2012A	1 nights
Sub-luminous X-ray binaries TOO	SMARTS 2009B	0.4 nights

### Ultraviolet PI Proposals

<i>Proposal Description</i>	<i>Observatory/cycle</i>	<i>Time</i>
DDT for UV spectroscopy of a short-period black hole in outburst	HST cycle 24	4 orbits
A radio millisecond pulsar in a low-mass X-ray binary?	HST cycle 24	4 orbits
The nature of the transient black hole candidate Swift J1910.2–0546	HST cycle 22	2 orbits
The evolutionary link between LMXBs and MSRPs	HST cycle 22	6 orbits
Evolution and accretion morphology of short-period black hole	HST cycle 21	9 orbits
The quiescent UV spectrum of the neutron star EXO 0748–676	HST cycle 20	9 orbits



## X-ray PI Proposals

<i>Proposal Description</i>	<i>Observatory/cycle</i>	<i>Time</i>
An unexplored regime of neutron star heating and cooling	Chandra AO22	500 ks
An unexplored regime of neutron star heating and cooling	Chandra AO20	90 ks
DDT on outflows from a nearby super-Eddington accretor	Chandra AO19	25 ks
The very cold neutron star in HETE J1900.1–2455	Chandra AO19	55 ks
New progress in understanding the crusts of neutron stars	Chandra AO18	60 ks
DDT on the very cold neutron star in HETE J1900.1–2455	Chandra AO17	30 ks
Probing physics of neutron stars using Terzan 5	Chandra AO17	135 ks
DDT on the accretion disk wind in 1RXS J180408.9–342058	Chandra AO16	30 ks
The nature of the transient X-ray binary Swift J1910.2–0546	Chandra AO16	45 ks
A cooling neutron star crust in Terzan 5	Chandra AO15	105 ks
Neutron star X-ray binary EXO 0748–676 in quiescence	Chandra AO15	45 ks
A cooling neutron star crust in Terzan 5	Chandra AO14	135 ks
Quiescent monitoring 11-Hz X-ray pulsar in Terzan 5	Chandra AO13	100 ks
DDT to detect a cooling neutron star crust in Terzan 5	Chandra AO12	40 ks
Neutron star crust cooling EXO 0748–676	Chandra AO11–AO12	40 ks
Neutron star crust cooling TOO on HETE J1900.1–2455	Chandra AO11–AO12	90 ks
Crust cooling TOO HETE J1900.1–2455 + Swift J1626.6–5156	Chandra AO9–AO10	120 ks
DDT to localize XMMUJ174716.1–281048	Chandra AO8	1 ks
Linking jet suppression to accretion geometry	NuSTAR AO4	60 ks
Testing disk truncation for accreting neutron stars	NuSTAR AO4	60 ks
DDT on jet suppression and accretion geometry	NuSTAR AO3	20 ks
DDT on the “moding” of the transitional pulsar PSR J1023+0038	NuSTAR AO3	25 ks
An accretion disk wind at low Eddington rate?	NuSTAR AO2	75 ks
DDT to search for disk reflection in 4U 1608–52	NuSTAR AO1	40 ks
How neutron stars accrete at low Eddington rates	NuSTAR AO1	75 ks
DDT to search for disk reflection in MXB 1659–28	NuSTAR AO1	50 ks
DDT observations of various transient X-ray binaries, 77 in total	Swift AO6–AO15	362 ks
Swift/VLA monitoring of a giant Be/X-ray binary outburst	Swift AO15	20 ks
Testing disk truncation for accreting neutron stars	Swift AO14	11 ks
X-ray monitoring of Sgr A* during the Event Horizon Telescope	Swift AO13	52 ks
The accretion flow properties of sub-luminous X-ray binaries	Swift AO13	30 ks
Galactic center monitoring campaign	Swift AO9–AO15	248 ks
Neutron star crust cooling TOO	Swift AO6–AO13	60 ks
Galactic center monitoring campaign	Swift AO6–AO8	81 ks
The nature of the compact accretor in exotic X-ray binaries	XMM AO17	100 ks
An accretion disk wind at low Eddington rate?	XMM AO15	70 ks
Neutron star crust cooling in 1RXS J180408.9–342058	XMM AO15	70 ks
DDT to search for crust cooling in 1RXS J180408.9–342058	XMM AO14	30 ks
The nature of the transient black hole candidate Swift J1910.2–0546	XMM AO13	60 ks
DDT to search for crust cooling in RX J1709–267	XMM AO12	30 ks
Peculiar X-ray burster SAX J2224.9+5421 in quiescence	XMM AO10 + AO12	50 ks
Accreting millisecond pulsar Swift J1749.4–2807 in quiescence	XMM AO9 + AO10	100 ks
Sub-luminous X-ray binary AX J1754.2–2754	XMM AO7 + AO9	35 ks
Sub-luminous X-ray binaries in outburst	RXTE AO13–AO14	100 ks

## Full Overview of Teaching Activities

### Lecture series

- 2020 Lecturer *Structure and Evolution of Stars*, MSc students. University of Amsterdam  
2019, 2020 Lecturer *Astrophysics*, BSc students (year 2). University of Amsterdam

### Guest and substitute lectures

- 2019, 2020 Guest lecturer *Compact Objects*, BSc students (year 3). University of Amsterdam  
2017 Guest lecturer *Open Problems*, MSc students. University of Amsterdam  
2017 Substitute lecturer *Astrophysics*, BSc students (year 3). University of Amsterdam  
2012 Guest lecturer *High Energy Universe*, PhD students. University of Michigan  
2009 Substitute lecturer *Compact Objects*, BSc students (year 3). University of Amsterdam  
2008, 2009 Guest lecturer *Orientation*, BSc students (year 3). University of Amsterdam

### Supervision of Master Research

- 2020–present Post-MSc research project (7 months), Mr. J. van Opijnen, University of Amsterdam.  
Funded by my Vidi research grant.  
2020–present MSc research project (60 ECTS), Ms. L. van Haastere, University of Amsterdam  
2020–present Astrovaria (6 ECTS), Ms. J. Kleverlaan, University of Amsterdam  
2020–present Astrovaria (6 ECTS), Ms. S. Fijma, University of Amsterdam  
2020–present Astrovaria (6 ECTS), Mr. J. Groot, University of Amsterdam  
2020–present Astrovaria (6 ECTS), Ms. M. van Etten, University of Amsterdam  
2019–present Post-MSc research project, Mr. Osman Ahmed, Debre Tabor University, Ethiopia  
2019–2020 MSc research project (60 ECTS), Mr. M. Stoop, University of Amsterdam  
Now PhD student in astronomy at the University of Amsterdam  
2018–2019 MSc research project (60 ECTS), Ms. M. Georganti, University of Amsterdam  
Now PhD student in astronomy at the University of Southampton, UK  
2018 ERASMUS+ research project (4 months), Ms. E. López, University of Amsterdam  
Now PhD student in astronomy at the University of Valparaíso, Chile  
2017 ERASMUS+ research project (3 months), Mr. A. Marino, University of Amsterdam  
Now PhD student in astronomy at the University of Palermo, Italy  
2009–2010 MSc research project (60 ECTS), Dr. S. Broerse, University of Amsterdam  
PhD in astronomy, now Business Intelligence and Analytics Manager at Deloitte

### Supervision of Undergraduate Research

- 2019 ASPIRE research project (2 months), Mr. Alexis Andres, University of Amsterdam  
2019 BSc research project (15 ECTS), Ms. S. Fijma, University of Amsterdam  
2019 BSc research project (15 ECTS), Ms. J. Kleverlaan, University of Amsterdam  
2019 BSc research project (15 ECTS), Ms. M. van Etten, University of Amsterdam  
2019 BSc research project (15 ECTS), Mr. J. Groot, University of Amsterdam  
2018 BSc research project (15 ECTS), Mr. B. Belhach, University of Amsterdam  
2018 BSc research project (15 ECTS), Mr. L. Kok, University of Amsterdam  
2018 BSc research project (15 ECTS), Mr. M. Rustenburg, University of Amsterdam  
2015 Summer research project (2 months), Ms. A.C. Waterhouse, University of Cambridge  
2009 BSc research project (15 ECTS), Mr. O. Gurney-Champion, University of Amsterdam  
2008 BSc research project (15 ECTS), Mr. S. Westerhout, University of Amsterdam

### Teaching assistant

- 2008 Teaching assistant *Astrophysics*, BSc students (year 2). University of Amsterdam  
2008 Teaching assistant *Solar system*, BSc students (year 2). University of Amsterdam  
2006, 2007 Teaching assistant *Astronomy 1*, BSc students (year 1). University of Amsterdam  
2006, 2007 Teaching assistant *Astronomy lab*, BSc students (year 3). University of Amsterdam

Journal abbreviations used: ApJ = Astrophysical Journal, A&A = Astronomy & Astrophysics, MNRAS = Monthly Notices of the Royal Astronomical Society, A&G = Astronomy & Geophysics, ATel = Astronomer's Telegram, JApA = Journal of Astrophysics and Astronomy, SCPMA = Science China Physics, Mechanics & Astronomy.

## Review Papers: First Author

- 2018 **Degenaar, N.** & Suleimanov, V., book chapter in “The physics and astrophysics of neutron stars”, Springer book collection on Astronomy and Astrophysics Library, arXiv:1806.02833  
*Testing the equation of state with electromagnetic observations*
- Degenaar, N.**, Ballantyne, D.R., Belloni, T., Chakraborty M., Chen, Y.-P., Ji, L., Kretschmar P., Kuulkers, E., Li, J., Maccarone, T.J., Malzac J., Zhang, S., Zhang, S.-N., 2018, Space Science Reviews 214, 15  
*Accretion disks and coronae in the X-ray flashlight*
- 2015 **Degenaar, N.**, Wijnands, R., Miller, J.M., Reynolds, M.T., Kennea, J.A., Gehrels, N., 2015, JHEAp 7, 137  
*The Swift X-ray monitoring campaign of the center of the Milky Way*

## Review Papers: Co-Author

- 2017 Wijnands, R., **Degenaar, N.**, & Page, D., 2017, JApA 38, 49  
*Crust cooling of accretion-heated neutron stars*
- Middleton, M., Casella, P., Gandhi, P., Bozzo, E., Anderson, G., **Degenaar, N.**, Donnarumma, I., Israel, G., Knigge, C., Lohfink, A., Markoff, S., Marsh, T., Rea, N., Tingay, S., Wiersema, K., Altamirano, D., Bhattacharya, D., Brandt, W., Carey, S., Charles, P., Diaz Trigo, M., Done, C., Kotze, M., Marsh, T., Eikenberry, S., Fender, R., Ferruit, P., Fuerst, F., Greiner, J., Ingram, A., Heil, L., Jonker, P., Komossa, S., Leibundgut, B., Maccarone, T., Malzac, J., McBride, V., Miller-Jones, J., Page, M., Maria Rossi, E., Russell, D., Shahbaz, T., Sivakoff, G., Tanaka, M., Thompson, D., Uemura, M., Uttley, P., van Moorsel, G., Van Doesburgh, M., Warner, B., Wilkes, B., Wilms, J., Woudt, P., 2017, New Astronomy Reviews 79, 28  
*Paving the way to simultaneous multi-wavelength astronomy*

## Refereed Journals: First Author

- 2019 **Degenaar, N.**, Ootes, L.S., Page, D., Wijnands, R., Parikh, A., Homan, J., Cackett, E.M., Miller, J.M., Altamirano, D., Linares, M., 2019, MNRAS 488, 4477  
*Crust cooling of the neutron star in Aql X-1: Different depth and magnitude of shallow heating during similar accretion outbursts*
- 2017 **Degenaar, N.**, Ootes, L.S., Reynolds, M.T., Wijnands, R., Page, D., 2017, MNRAS Letters 465, L10  
*A very cold neutron star crust in the transiently accreting millisecond X-ray pulsar HETE J1900.1–2455 after 10 years of active accretion*
- Degenaar, N.**, Pinto, C., Miller, J.M., Fabian, A.C., Wijnands, R., Altamirano, D., Chakrabarty, D., Paerels, F., 2017, MNRAS 464, 398  
*An in-depth study of a neutron star accreting at low Eddington rate: On the possibility of a truncated disk and outflows*
- 2016 **Degenaar, N.**, Altamirano, D., Parker, M., Miller-Jones, J.C.A., Miller, J.M., Heinke, C.O., Wijnands, R., Ludlam, R., Parikh, A., Hessels, J.W.T., Gusinskaia, N., Deller, A., Fabian, A.C. 2016, MNRAS 461, 4049  
*Disk reflection and a possible disk wind during a soft X-ray state in the neutron star low-mass X-ray binary 1RXS J180408.9–342058*
- Degenaar, N.**, Koljonen, K.I.I., Chakrabarty, D., Kara, E., Altamirano, D., Miller, J.M., Fabian, A.C., 2016, MNRAS 456, 4256  
*Probing the effects of a thermonuclear X-ray burst on the neutron star accretion flow with NuSTAR*
- 2015 **Degenaar, N.**, Miller, J.M., Chakrabarty, D., Harrison, F.A., Kara, E., Fabian, A., 2015, MNRAS Letters 451, L85  
*NuSTAR detection of disk reflection from close to the neutron star in 4U 1608–52*

- Degenaar, N.**, Wijnands, R., Brown, E.F., Cumming, A.C., Cackett, E.M., Fridriksson, J., Homan, J., Miller, J.M., Heinke, C.O., Bahramian, A., Sivakoff, G.R., Altamirano, D., Pooley, D., 2015, MNRAS 451, 2071  
*Neutron star crust cooling in the Terzan 5 X-ray transient Swift J174805.3–244637*
- 2014 **Degenaar, N.**, Miller, J.M., Harrison, F.A., Kennea, J.A., Kouveliotou, C., Younges, G., 2014, ApJ Letters 796, L9  
*High-resolution X-ray spectroscopy of the bursting pulsar GRO J1744–28*
- Degenaar, N.**, Wijnands, R., Reynolds, M.T., Miller, J.M., Altamirano, D., Kennea, J.A., Gehrels, N., Haggard, D., Ponti, G., 2014, ApJ, 792, 109  
*The peculiar galactic center neutron star X-ray binary XMM J174457–2850.3*
- Degenaar, N.**, Medin, Z., Cumming, A., Wijnands, R., Wolff, M.T., Cackett, E. M., Miller, J. M., Jonker, P. G., Homan, J., Brown, E. F., 2014 ApJ, 791, 47  
*The neutron star crust cooling curve of EXO 0748–676*
- Degenaar, N.**, Wijnands, R., Miller, J. M., 2014, ApJ, 787, 67  
*The quiescent counterpart of the peculiar X-ray burster SAX J2224.9+5421*
- Degenaar, N.**, D. Maitra, E.M. Cackett, M.T. Reynolds, J.M. Miller, R.C. Reis, A.L. King, K.Gültekin, C.D. Bailyn, M.M. Buxton, R. MacDonald, A.C. Fabian, D.B. Fox, E.S. Rykoff, 2014, ApJ, 784, 122  
*Multi-wavelength monitoring of the new candidate black hole X-ray binary Swift J1910.2–0546*
- 2013 **Degenaar, N.**, Wijnands, R., Brown, E. F., Altamirano, D., Cackett, E. M., Fridriksson, J., Homan, J., Heinke, C. O., Miller, J. M., Pooley, D., Sivakoff G. R., 2013, ApJ 775, 48  
*Continued neutron star crust cooling of the 11 Hz X-ray pulsar in Terzan 5*
- Degenaar, N.**, Miller, J. M., Kennea, J. A., Gehrels, N., Reynolds, M. T., Wijnands, R., 2013, ApJ, 769, 155  
*The X-ray flaring properties of Sgr A\* during six years of monitoring with Swift*
- Degenaar, N.**, Miller, J. M., Wijnands, R., Altamirano, D., Fabian, A. C., 2013, ApJ Letters 767, L37  
*X-ray emission and absorption features during an energetic thermonuclear X-ray burst from IGR J17062–6143*
- Degenaar, N.**, Wijnands, R., Miller, J. M., 2013, ApJ Letters 767, L31  
*A direct measurement of the heat release in the outer crust of the transiently accreting neutron star XTE J1709–267*
- 2012 **Degenaar, N.**, Linares, M., Altamirano, D., Wijnands, R., 2012, ApJ 759, 8  
*Two new bursting neutron star low-mass X-ray binaries: Swift J185003.2–005627 and Swift J1922.7–1716*
- Degenaar, N.**, Wijnands, R., Cackett, E. M., Homan, J., in 't Zand, J. J. M., Kuulkers, E., Maccarone, T. J., van der Klis, M., 2012, A&A 545, 49  
*A four-year Chandra/XMM-Newton monitoring campaign of the Galactic center: analyzing the X-ray transients*
- Degenaar, N.**, Patruno, A., Wijnands, R., 2012, ApJ, 756, 148  
*The quiescent X-ray properties of the accreting millisecond X-ray pulsar and eclipsing binary Swift J1749.4–2807*
- Degenaar, N.**, Starling, R.L.C., Evans, P.A., Beardmore, A.P., Burrows, D.N., Cackett, E.M., Campana, S., Grupe, D., Kennea, J., Moretti, A., Pagani, C., Page, K.L., La Parola, V., Wijnands, R., 2012, A&A 540, 22  
*Swift follow-up observations of unclassified ASCA sources*
- Degenaar, N.**, Wijnands, R., 2012, MNRAS 422, 581  
*Strong X-ray variability during the quiescent state of the neutron star low-mass X-ray binary EXO 1745–248*
- 2011 **Degenaar, N.**, Brown, E. F., Wijnands, R., 2011, MNRAS Letters 418, L152  
*Evidence for crust cooling in the transiently accreting 11-Hz X-ray pulsar in the globular cluster Terzan 5*
- Degenaar, N.**, Wijnands, R., Kaur, R., 2011, MNRAS Letters 414, L104  
*Swift detection of an intermediately long X-ray burst from the very faint X-ray binary XMMU J174716.1–281048*
- Degenaar, N.**, & Wijnands, R., 2011, MNRAS Letters 414, L50  
*The accretion-heated crust of the transiently accreting 11-Hz X-ray pulsar in the globular cluster Terzan 5*
- Degenaar, N.**, & Wijnands, R., 2011, MNRAS Letters 412, L68  
*The soft quiescent spectrum of the 11 Hz pulsar in Terzan 5*

- Degenaar, N.**, Wolff, M. T., Ray, P. S., Wood, K. S., Homan, J., Lewin, W. H. G., Jonker, P. G., Cackett, E. M., Miller, J. M., Brown, E. F., Wijnands, R., 2011, MNRAS 412, 1409  
*Further X-ray observations of EXO 0748–676 in quiescence: evidence for a cooling neutron star*
- 2010 **Degenaar, N.**, & Wijnands, R., 2010, A&A 524, 69  
*A four-year baseline Swift study of enigmatic X-ray transients located near the Galactic center*
- Degenaar, N.**, Jonker, P.G., Kaur, R., Rea, N., Israel, G. L., Patruno, A., Trap, G., Cackett, E.M., D’Avanzo, P., Lo Curto, G., Torres, M. A. P., Novara, G., Krimm, H., Holland, S.T., De Luca, A., Esposito, P., Wijnands, R., 2010, MNRAS 404, 1591  
*Multi-wavelength observations of 1RXH J173523.7–354013: revealing an unusual bursting neutron star*
- 2009 **Degenaar, N.**, Wijnands, R., Wolff, M. T., Ray, P. S., Wood, K. S., Homan, J., Lewin, W. H. G., Jonker, P. G., Cackett, E. M., Miller, J. M., Brown, E. F., 2009, MNRAS Letters 396, L26  
*Chandra and Swift observations of the quasi-persistent neutron star transient EXO 0748–676 back to quiescence*
- Degenaar, N.**, & Wijnands, R., 2009, A&A 495, 547  
*The behavior of sub-luminous X-ray transients near the Galactic center as observed using the X-ray telescope aboard Swift*
- Refereed Journals: Co-author
- 2021 Kretschmar, P., El Mellah, I., Martínez-Núñez, S., Fürst, F., Grinberg, V., Sander, A.A.C., van den Eijnden, J., **Degenaar, N.**, Maíz Apellániz, J., Jiménez Esteban, F., Ramos-Lerate, M., Utrilla, E., 2021, submitted to A&A  
*Revisiting the archetypical wind accretor Vela X-1 in depth*
- Ludlam, R.M., Jaodand, A.D., García, J.A., **Degenaar, N.**, Tomsick, J. A., Cackett, E.M., Fabian, A.C., Gandhi, P., Buisson, D.J.K., Shaw, A.W., Chakrabarty, D., 2021, submitted to ApJ, arXiv:2012.10461  
*Simultaneous NICER and NuSTAR Observations of the Ultra-compact X-ray Binary 4U 1543–624*
- Bahramian, A., Heinke, C.O., Kennea, J. A., Maccarone, T.J., Evans, P. A., Wijnands, R., **Degenaar, N.**, in ’t Zand, J. J. M., Shaw, A.W., Rivera Sandoval, L.E., McClure, S., Tetarenko, A.J., Strader, J., Kuulkers, E., Sivakoff, G.R., 2021, MNRAS in press, arXiv:2009.10322  
*The Swift Bulge Survey: Motivation, strategy, and first X-ray results*
- Parikh, A.S., **Degenaar, N.**, Santisteban, J. V. Hernández; Wijnands, R., Psaradaki, I., Costantini, E., Modiano, D., Miller, J.M., 2021, MNRAS in press  
*UV and X-ray observations of the neutron star LMXB EXO 0748-676 in its quiescent state*
- de Haas, S.E.M., Russell, T.D., **Degenaar, N.**, Markoff, S., Tetarenko, A.J., Tetarenko, B.E., van den Eijnden, J., Miller-Jones, J.C.A., Parikh, A.S., Plotkin, R.M., Sivakoff, G.R., 2021, MNRAS in press, arXiv:2012.05206  
*Disk-jet coupling changes as a possible indicator for outbursts from GX 339–4 remaining within the X-ray hard state*
- 2020 Armas Padilla, M., Muñoz-Darias, T., Jiménez-Ibarra, F.; Fernández-Ontiveros, J. A., Casares, J., Torres, M.A.P., García-Rojas, J., Cúneo, V. A., **Degenaar, N.**, 2020, A&A 644, 63  
*Optical spectroscopy of 4U 1812–12: An ultra-compact X-ray binary seen through an H II region*
- Maccarone, T.J., van den Eijnden, J., Russell, T.D., **Degenaar, N.**, 2020, MNRAS 499, 957  
*Eclipses of jets and discs of X-ray binaries as a powerful tool for understanding jet physics and binary parameters*
- Russell, T.D., Lucchini, M., Tetarenko, A.J., Miller-Jones, J.C.A., Sivakoff, G.R., Krauss, F., Mulaudzi, W., Baglio, M.C., Russell, D.M., Altamirano, D., Ceccobello, C., Corbel, S., **Degenaar, N.**, van den Eijnden, J., Fender, R., Heinz, S., Koljonen, K.I.I., Maitra, D., Markoff, S., Migliari, S., Parikh, A.S., Plotkin, R.M., Rupen, M., Sarazin, C., Soria, R., Wijnands, R., 2020, MNRAS 498, 5772  
*Rapid compact jet quenching in the Galactic black hole candidate X-ray binary MAXI J1535–571*
- Buisson, D.J.K., Altamirano, D., Diaz Trigo, M., Mèndez, M., Armas Padilla, M., Castro Segura, N., **Degenaar, N.**, van den Eijnden, J., Fogantini, F.A., Knigge, C., Muñoz-Darias, T., Özbey Arabaci, M., Vincentelli, F.M., 2020, MNRAS 498, 68  
*Soft X-ray emission lines in the X-ray binary Swift J1858.6–0814 observed with XMM-Newton-RGS: disc atmosphere or wind?*

- Pereyra, M., Altamirano, D., Court, J.M.C, Cúneo, V., **Degenaar, N.**, Parikh, A.S., Wijnands, R., 2020, MNRAS 497, 1115  
*Long-term X-ray evolution of the black hole candidate IGR J17091–3624 in the last decade*
- van den Eijnden, J., **Degenaar, N.**, Russell, T.D., Altamirano, D., Armas Padilla, M., Bahramian, A., Buisson, D.J.K., Castro Segura, N., Fogantini, F.A., Heinke, C.O., Maccarone, T., Maitra, D., Miller-Jones, J.C.A., Muñoz-Darias, T., Özbey Arabaci, M., Russell, D., Shaw, A.W., Sivakoff, G., Tetarenko, A., Vincentelli, F., Wijnands, R., 2020, MNRAS 496, 4127  
*The strongly variable radio counterpart of Swift J1858.6–0814*
- Parikh, A., Wijnands, R., Homan, J., **Degenaar, N.**, Wolvers, B., Ootes, L.S., Page, D., 2020, A&A Letters, 638, L2  
*Unexpected late-time temperature rise observed in two neutron star crust cooling sources XTE J1701–462 and EXO 0748–676*
- Court, J.M.C., Scaringi, S., Littlefield C., Castro Segura, N., Long, K., Maccarone, T., Altamirano, D., **Degenaar, N.**, Wijnands, R., Shahbaz, T., Zhan, Z., 2020, MNRAS 494, 4656  
*EX Draconis: Using Eclipses to Separate Outside-In and Inside-Out Outbursts*
- Muñoz-Darias, T., Armas Padilla, M., Jimenez-Ibarra F., Panizo-Espinar, G., Casares, J., Altamirano, D., Buisson, D.J.K., Castro Segura, N., Cuneo, V.A., **Degenaar, N.**, Fogantini, F.A., Knigge, C., Özbey Arabaci, M., Sanchez-Sierras, M.A., Torres, M.A.P., van den Eijnden, J., Vincentelli, F.M., 2020, ApJ Letters 893, L19  
*The Changing-look Optical Wind of the Flaring X-ray Transient Swift J1858.6–0814*
- Wijngaarden, M.J.P., Ho, W.C.G., Chang, P., Page, D., Wijnands, R., Ootes, L.S., Cumming, A., **Degenaar, N.**, Beznogov, M., 2020, MNRAS 493, 4936  
*The effect of diffusive nuclear burning on neutron star cooling in accreting systems*
- van den Eijnden, J., **Degenaar, N.**, Ludlam, R., Parikh, A., Miller, J.M., Wijnands, R., Gendreau, K.C., Arzoumanian, Z., Chakrabarty, D., Bult, P., 2020, MNRAS 493, 1318  
*A strongly changing accretion morphology during the outburst decay of the neutron star X-ray binary 4U 1608–52*
- López-Navas, J., **Degenaar, N.**, Parikh, A.S., Hernández Santisteban, J.V., van den Eijnden, J., MNRAS 493, 940  
*The connection between the optical/UV and X-ray emission in the neutron star low-mass X-ray binary Aql X-1*
- Shaw, A.W., Heinke, C.O., Maccarone, T.J., Sivakoff, G.R., Strader, J., Bahramian, A., **Degenaar, N.**, Kennea, J.A., Kuulkers, E., Rivera Sandoval, L.E., Shishkovsky, L., Swihart, S.J., Tetarenko, A.J., Wijnands, R., in 't Zand, J.J.M., MNRAS 492, 4344  
*The Swift Bulge Survey: Optical & near-IR follow-up featuring a likely symbiotic X-ray binary & a focused wind CV*
- Gusinskaia N.V., Hessels, J.W.T, **Degenaar, N.**, Deller, A.T., Miller-Jones, J.C.A., Archibald, A.M., Heinke, C.O., Moldon, J., Patruno, A., Tomsick, J., Wijnands, R., 2020, MNRAS 492, 2858  
*Quasi-simultaneous radio and X-ray observations of Aql X-1: probing low luminosities*
- Gusinskaia N.V., Russell, T.D., Hessels, J.W.T, Bogdanov, S., **Degenaar, N.**, Deller, A.T., van den Eijnden, J., Joadand, A.D., Miller-Jones, J.C.A., Wijnands, R., 2020, MNRAS 492, 1091  
*Radio and X-ray monitoring of the accreting millisecond X-ray pulsar IGR J17591–2342 in outburst*
- Rouco Escorial, A., Wijnands, R., van den Eijnden, J., Patruno, A., **Degenaar, N.**, Parikh, A., Ootes, L.S., 2020, A&A 630, 105  
*Recurrent low-level luminosity behaviour after a giant outburst in the Be/X-ray transient 4U 0115+63*
- 2019 Haggard, D., Nynka, M., Mon, B., de la Cruz Hernandez, N., Nowak, M., Heinke, C., Neilsen, J., Dexter, J., Fragile, C., Baganoff, F., Bower, G.C., Coti-Zelati, F., **Degenaar, N.**, Markoff, S., Morris, M., Ponti, G., Rea, N., Wilms, J., Yusef-Zadeh, F., 2019, ApJ 886, 96  
*Chandra discovery of Sgr A\*’s brightest X-ray flares*
- Saikia, P., Russell, D., Bramich, D., Miller-Jones, J.C.A., Baglio, M.C., **Degenaar, N.**, 2019, ApJ 887, 21  
*Lorentz factors of compact jets in black hole X-ray binaries*
- Russell, T.D., Tetarenko, A.J., Miller-Jones, J. C. A., Sivakoff, G. R., Parikh, A. S., Rapisarda, S., Wijnands, R., Corbel, S., Tremou, E., Altamirano, D., Baglio, M. C., Ceccobello, C., **Degenaar, N.**, van den Eijnden, J.,

- Fender, R., Heywood, I., Krimm, H. A., Lucchini, M., Markoff, S., Russell, D. M., Soria, R., Woudt, P. A., 2019, *ApJ* 883, 198  
*Disk-jet coupling in the 2017/2018 outburst of the Galactic black hole candidate X-ray binary MAXI J1535–571*
- Rouco Escorial, A., Wijnands, R., Ootes, L.S., **Degenaar, N.**, Snelders, M., Kaper, L., Cackett, E.M., Homan, J., 2019, *A&A* 630, 105  
*Quiescent X-ray variability in the neutron star Be/X-ray transient GRO J1750–27*
- Hernández Santisteban, J.V., Cúneo, V., **Degenaar, N.**, van den Eijnden, J., Altamirano, D., Gómez, M. N., Russell, D.M., Wijnands, R., Golovakova, R., Reynolds, M. T., Miller, J.M., 2019, *MNRAS* 488, 4596  
*Evidence for the ultra-compact nature of the neutron star low-mass X-ray binary IGR J17062–6143*
- van den Eijnden, J., **Degenaar, N.**, Schulz, N.S., Nowak, M.A., Wijnands, R., Russell, T.D., Hernández Santisteban, J.V., Bahramian, A., Maccarone, T., Kennea, J.A., Heinke, C.O., 2019, *MNRAS* 487, 4355  
*Chandra reveals a possible ultra-fast outflow in the super-Eddington Be/X-ray binary Swift J0243.6+6124*
- Ootes, L., Vats, S., Page, D., Wijnands, R., **Degenaar, N.**, Wijngaarden, M., Altamirano, D., Bahramian, A., Cackett, E.M., Heinke, C.O., Homan, J., Miller, J.M., 2019, *MNRAS* 487, 1447  
*Continued cooling of the accretion-heated neutron-star crust in the X-ray transient IGRJ17480–2446 located in the globular cluster Terzan 5*
- Ponti, G., Bianchi, S., Di Marco, B., Bahramian, A., **Degenaar, N.**, Heinke, C.O., 2019, *MNRAS* 487, 858  
*Evolution of the disc atmosphere in the X-ray binary MXB 1659–298, during its 2015-2016 outburst*
- Beri, A., Altamirano, D., Wijnands, R., **Degenaar, N.**, Parikh, A., 2019, *MNRAS* 486, 1620  
*Unveiling the nature of compact object in the LMXB MAXI 1957+032 using Swift-XRT*
- Beri, A., Tetarenko, B.E., Bahramian, A., Altamirano, D., Ghandi, P., Sivakoff, G., **Degenaar, N.**, Middleton, M., Wijnands, R., Hernández Santisteban, J.V., Paice, J., 2019, *MNRAS* 485, 3064  
*Swift J1357.2–0933 as seen with Swift and NuSTAR during its 2017 outburst*
- Parikh, A., Wijnands, R., Ootes, L.S., Page, D., **Degenaar, N.**, Bahramian, A., Brown, E.F., Cackett, E., Cumming, A., Heinke, C., Homan, J., Rouco Escorial, A., Wijngaarden, M.J.P., 2019, *A&A* 624, 84  
*Consistent accretion-induced heating of the neutron-star crust in MXB 1659–29 during two different outbursts*
- Ludlam, R., Miller, J.M., Barret, D., Cackett, E., Coughenour, B., Dauser, T., **Degenaar, N.**, García, J., Harrison, F., Paerels, F., 2019, *ApJ* 873, 99  
*NuSTAR Observations of the Accreting Atolls GX 3+1, 4U 1702–429, 4U 0614+091, and 4U 1746–371*
- van den Eijnden, J., **Degenaar, N.**, Russell, T.D., Hernández Santisteban, J.V., Wijnands, R., Miller-Jones, J.C.A., Rouco Escorial, A., Sivakoff, G., 2019, *MNRAS* 483, 4628  
*A re-establishing jet during X-ray rebrightenings of the Be/X-ray binary Swift J0243.6+6124*
- in 't Zand, J.M.M., Kries, M.J.W., Palmer, D.M., **Degenaar, N.**, 2019, *A&A* 621, 53  
*A search for the most powerful thermonuclear X-ray bursts with the Neil Gehrels Swift Observatory*
- 2018 Russell, T.D., **Degenaar, N.**, Wijnands, R., van den Eijnden, J., Gusinskaia, N.V., Hessels, J.W.T., Miller-Jones, J.C.A., 2018, *ApJ Letters* 869, L16  
*The radio-bright accreting millisecond X-ray pulsar IGR J17591–2342*
- van den Eijnden, J., **Degenaar, N.**, Russell, T.D., Wijnands, R., Miller-Jones, J.C.A., Sivakoff, G., Hernández Santisteban, J.V., 2018, *Nature* 562, 233  
*Discovery of an evolving jet from a super-Eddington accreting X-ray pulsar*
- Bahramian, A., Strader, J., Chomiuk L., Heinke, C.O., Miller-Jones, J.C.A., **Degenaar, N.**, Tetarenko, A., Tudor, V., Tremou, E., Shishkovsky, L., Wijnands, R., Maccarone, T., Sivakoff, G., Ransom, S., 2018, *ApJ* 864, 28  
*The MAVERIC survey: A transitional millisecond pulsar candidate in Terzan 5*
- Court, J.M.C., Altamirano, D., Albayati, A.C., Sanna, A., Overton, T., Belloni, T., **Degenaar, N.**, Wijnands, R., Yamaoka, K., Hill, A.B., Knigge, C., 2018, *MNRAS* 481, 2273  
*The Evolution of X-Ray Bursts in the Bursting Pulsar GRO J1744–28*
- Marino, A., **Degenaar, N.**, Di Salvo, T., Wijnands, R., Burderi, L., Iaria, R., 2018, *MNRAS* 479, 3634  
*On obtaining neutron-star mass and radius constraints from quiescent low-mass X-ray binaries in the Galactic plane*

- Rivera Sandoval, L.E., Wijnands, R., **Degenaar, N.**, Cavecchi, Y., Heinke, C.O., Cackett, E.M., Homan, J., Altamirano, D., Bahramian, A., Sivakoff, G.R., Miller, J.M., Parikh, A.S., 2018, MNRAS 479, 2777  
*Extreme quiescent variability of the transient neutron star low-mass X-ray binary EXO 1745–248 in Terzan 5*
- Gallo, E., **Degenaar, N.**, van den Eijnden, 2018, MNRAS Letters 478, L132  
*Hard state neutron star and black hole X-ray binaries in the radio:X-ray luminosity plane*
- Ootes, L.S., Wijnands, R., Page, D., **Degenaar, N.**, 2018, MNRAS 477, 2540  
*A cooling neutron star crust after recurrent outbursts: Modelling the accretion outburst history of Aql X-1*
- Vats, S., Wijnands, R., Parikh, A.S., Ootes, L.S., **Degenaar, N.**, Page, D., 2018, MNRAS 477, 2494  
*The quiescent state of the neutron-star X-ray transient GRS 1747–312 in the globular cluster Terzan 6*
- Parikh, A.S., Wijnands, R., **Degenaar, N.**, Ootes, L., Page, D., 2018, MNRAS 476, 2230  
*Further constraints on neutron-star crustal properties in the low-mass X-ray binary 1RXS J180408.9–342058*
- Tetarenko, A., Bahramian, A., Wijnands, R., Heinke, C.O., Maccarone, T.J., Miller-Jones, J.C.A., Strader, J., Chomiuk, L., **Degenaar, N.**, Sivakoff, G.R., Altamirano, D., Deller, A.T., Kennea, J.A., Li, K.L., Plotkin, R.M., Russell, T.D., Shaw, A., 2018, ApJ 854, 125  
*A new radio quiet accreting millisecond X-ray pulsar in the globular cluster NGC 6256*
- Rivera Sandoval, L.E., Hernández Santisteban, J.V., **Degenaar, N.**, Wijnands, R., Knigge, C., Miller, J.M., Reynolds, M.T., Altamirano, D., van den Berg, M., Hill, A., 2018, MNRAS 476, 1086  
*Mid-UV studies of the transitional millisecond pulsars XSS J12270–4859 and PSR J1023+0038 during their radio pulsar states*
- Sanna, A., Bahramian, A., Bozzo, E., Heinke, C., Altamirano, D., Wijnands, R., **Degenaar, N.**, Maccarone, T., Riggio, A., Di Salvo, T., Iaria, R., Burgay, M., Possenti, A., Ferrigno, C., Papitto, A., Sivakoff, G., and Burderi, L., 2018, A&A Letters 610, L2  
*Discovery of 105 Hz coherent pulsations in the ultracompact binary IGR J16597–3704*
- van den Eijnden, J., **Degenaar, N.**, Pinto, C., Patruno, A., Wette, K., Messenger, C., Hernández Santisteban, J., Wijnands, R., Miller, J.M., Altamirano, D., Paerels, F., Chakrabarty, D., Fabian, A.C., 2018, MNRAS 475, 2027  
*The very-faint X-ray binary IGR J17062–6143: a truncated disk, no pulsations, and a possible outflow*
- van den Eijnden, J., **Degenaar, N.**, Russell, T.D., Miller-Jones, J.C.A., Wijnands, R., Miller, J.M., King, A.L., Rupen, M.P., 2018, MNRAS Letters 474, L91  
*Discovery of radio emission from the symbiotic X-ray binary system GX 1+4*
- van den Eijnden, J., **Degenaar, N.**, Russell, T.D., Miller-Jones, J.C.A., Wijnands, R., Miller, J.M., King, A.L., Rupen, M.P., 2018, MNRAS Letters, 473, L141  
*Radio emission from the X-ray pulsar Her X-1: a jet launched by a strong magnetic field neutron star?*
- 2017 Parikh, A.S., Homan, J., Wijnands, R., Ootes, L., Page, D., Altamirano, D., **Degenaar, N.**, Brown, E.F., Cackett, E.M., Cumming, A., Deibel, A., Fridriksson, J.K., Lin, D., Linares, M., and Miller, J.M., 2017, ApJ Letters 851, L28  
*Different accretion heating of the neutron star crust during multiple outbursts in MAXI J0556–332*
- Ludlam, R.M., Miller, J.M., **Degenaar, N.**, Sanna, A., Cackett, E.M., King, A.L., 2017, ApJ Letters 847, L135  
*Truncation of the Accretion Disk at One-third of the Eddington Limit in the Neutron Star Low-mass X-Ray Binary Aquila X-1*
- Rouco Escorial, A., Nielsen Bak, A.S., Wijnands, R., **Degenaar, N.**, Cavecchi, Y., Patruno, A., 2017, MNRAS 472, 1802  
*The low luminosity behaviour of the 4U 0115+63 Be/X-ray transient*
- Wijnands, R., Parikh, A., Altamirano, D., Homan, J., **Degenaar, N.**, 2017, MNRAS 472, 559  
*Rapid X-ray variability properties during the unusual very-hard state in neutron-star low-mass X-ray binaries*
- Capellupo, D.M., Haggard, D., Choux, N., Bower, G.C., Cottom, B., **Degenaar, N.**, Dexter, J., Falcke, H., Fragile, C.P., Heinke, C.O., Law, C.J., Markoff, S., Neilsen, J., Ponti, G., Yusef-Zadeh, F., 2017, ApJ 845, 35  
*Simultaneous monitoring of X-ray and radio variability in Sagittarius A\**
- Shaw, A.W., Heinke, C.O., **Degenaar, N.**, Wijnands, R., Kaur, R., 2017, MNRAS 471, 2508  
*Near-infrared counterparts of three transient very faint neutron star X-ray binaries*



- Gusinskaia, N., Hessels, J.W.T., Deller, A.T., **Degenaar, N.**, Miller-Jones, J.M.C., Wijnands, R., Parikh, A., 2017, MNRAS 470, 1871  
*Jet quenching of the neutron star low-mass X-ray binary 1RXS J180408.9–342058*
- Tsygankov, S., Wijnands, R., Lutovinov, A., **Degenaar, N.**, Poutanen, J., 2017, MNRAS 470, 126  
*The X-ray properties of Be/X-ray pulsars in quiescence*
- Parikh, A.S., Wijnands, R., **Degenaar, N.**, Altamirano, D., Patruno, A., Gusinskaia, N., Hessels, J.W.T., 2017, MNRAS 468, 3979  
*Very hard states in neutron star low-mass X-ray binaries*
- Corrales, L.R., Mon, B., Haggard, D., Baganoff, F. K., Garmire, G., **Degenaar, N.**, Reynolds, M.T., 2017, ApJ 839, 76  
*The Chandra dust scattering halo of the Galactic center transient Swift J174540.7–290015*
- Ponti, G., George, E., Scaringi, S., Zhang, S., Jin, C., Dexter, J., Terrier, R., Clavel, M., **Degenaar, N.**, Eisenhauer, F., Genzel, R., Gillessen, S., Goldwurm, A., Habibi, M., Haggard, D., Hailey, C., Harrison, F., Merloni, A., Mori, K., Morris, M.R., Nandra, K., Pfuhl, O., Plewa, P.M., Ott, T., Waisberg, I., 2017, MNRAS 468, 2447  
*A powerful flare from Sgr A\* confirms the synchrotron nature of the X-ray emission*
- Dexter, J., **Degenaar, N.**, Kerr, M.T., Deller, A., Deneva, J., Lazarus, P., Kramer, M., Champion, D., Karuppusamy, R., 2017, MNRAS 468, 1486  
*A transient, flat spectrum pulsar near the Galactic Center*
- Parikh, A.S., Wijnands, R., **Degenaar, N.**, Ootes, L.S., Page, D., Altamirano, D., Cackett, E.M., Deller, A., Gusinskaia, N., Hessels, J., Homan, J., Linares, M., Miller, J.M., Miller-Jones, J., 2017, MNRAS 466, 4074  
*X-ray observations of the neutron star X-ray binary 1RXS J180408.9–342058 in quiescence*
- Ludlam, R.M., Miller, J.M., Cackett, E.M., **Degenaar, N.**, Bostrom, A.C., Paerels, F., Harrison, F.A., 2017, ApJ, 838, 79  
*Relativistic disk reflection in the neutron star X-ray binary XTE J1709–267 with NuSTAR*
- Ludlam, R.M., Miller, J.M., Bachetti, M., Barret, D., Bostrom, A.C., Cackett, E.M., Chakrabarty, D., **Degenaar, N.**, Di Salvo, T., Natalucci, L., Tomsick, J.A., Paerels, F., Parker, M.L., 2017, ApJ 836, 140  
*A hard look at the neutron stars and accretion disks in 4U 1636–53, GX 17+2, and 4U 1705–44 with NuSTAR*
- Van den Eijnden, J., Bagnoli, T., **Degenaar, N.**, Lohfink, A.M., Parker, M., in 't Zand, J.M.M., Fabian, A.C., 2017, MNRAS Letters 466, L98  
*A strongly truncated inner accretion disk in the Rapid Burster*
- Kaur, R., Wijnands, R., Kamble, A., Cackett, E. M., Kutulla, R., Kaplan, D., **Degenaar, N.**, 2017, MNRAS 464, 170  
*Searching for near-infrared counterparts of the faint neutron star X-ray transients XMMU J174716.1–281048 and SAX J1806.5–2215*
- 2016 Merritt, R.L., Cackett, E.M., Brown, E.F., Page, D., Cumming, A., **Degenaar, N.**, Deibel, A., Homan, J., Miller, J.M., Wijnands, R., 2016, ApJ 833, 186  
*The thermal state of KS 1731–260 after 14.5 years in quiescence*
- Wijnands, R., **Degenaar, N.**, 2016, MNRAS Letters 463, L46  
*Meta-stable low-level accretion rate states or neutron star crust cooling in the Be X-ray transients V0332+53 and 4U 0115+63?*
- Ootes, L.S., Page, D., Wijnands, R., **Degenaar, N.**, 2016, MNRAS 461, 4400  
*Neutron star crust cooling in KS 1731–260: the influence of accretion outburst variability on the crustal temperature evolution*
- Tetarenko, A., Bahramian, A., Tremou, E., Linares, M., Tudor, V., Miller-Jones, J.C.A., Heinke, C.O., Sivakoff, G., Chomiuk, L., Strader J., Altamirano, D., **Degenaar, N.**, Maccarone, T., Patruno, A., Sanna, S., Wijnands, R., 2016, MNRAS 460, 345  
*Disc-Jet Coupling in the Terzan 5 Neutron Star X-ray Binary EXO 1745–248*
- Waterhouse, A.C., **Degenaar, N.**, Wijnands, R., Brown, E.F., Miller, J.M., Altamirano, D., Linares, M.L., 2016, MNRAS 456, 4001  
*Constraining the properties of neutron star crusts with the transient low-mass X-ray binary Aql X-1*

- 2015 Wijnands, R., **Degenaar, N.**, Armas-Padilla, M., Altamirano D., Cavecchi, Y., Linares, M., Bahramian, A., Heinke, C.O., 2015, MNRAS 454, 1371  
*Low-level accretion in neutron-star X-ray binaries*
- Ponti, G., De Marco, B., Morris, M.R., Merloni, A., Muñoz-Darias, T., Clavel, M., Haggard, D., Zhang, S., Nandra, K., Gillessen, S., Mori, K., Neilsen, J., Rea, N., **Degenaar, N.**, Terrier, R., Goldwurm, A., 2015, MNRAS 454, 1525  
*Fifteen years of XMM-Newton and Chandra monitoring of Sgr A\*: Evidence for a recent increase in the bright flaring rate*
- Bahramian, A., Heinke, C.O., **Degenaar, N.**, Chomiuk, L., Wijnands, R., Strader, J., Ho, W.C.G., Pooley, D., 2015, MNRAS 452, 3475  
*Limits on thermal variations in a dozen quiescent neutron stars over a decade*
- Younes, G., Kouveliotou, C., Grefenstette, B.W., Tomsick, J.A., Tennant, A., Finger, M., Fürst, F., Pottschmidt, K., Bhalerao, V., Boggs, S.E., Chakrabarty, D., Christensen, F.E., Craig, W.W., **Degenaar, N.**, Ghandi, G., Gögüs, E., Hailey, C.J., Harrison, F.A., Kennea, J.A., Miller, J.M., Stern, D., Zhang, W.W., 2015, ApJ 804, 43  
*Simultaneous NuSTAR/Chandra observation of the bursting pulsar GRO J1744–28 during its third reactivation*
- Heinke, C.O., Bahramian, A., **Degenaar, N.**, Wijnands, R., 2015, MNRAS 447, 3034  
*The nature of very faint X-ray binaries; hints from light curves*
- Neilsen, J., Markoff, S., Nowak, M.A., Dexter, J., Witzel, G., Barrière, N., Li, Y., Baganoff, F.K., **Degenaar, N.**, Fragile, P.C., Gammie, C., Goldwurm, A., Grosso, N., Haggard, D., 2015, ApJ 799, 199  
*The X-ray flux distribution of Sagittarius A\* as seen by Chandra*
- Ponti, G., Bianchi, S., Muñoz-Darias, T., DeMarco, B., Dwelly, T., Fender, R.P., Nandra, K., Rea, N., Mori, K., Haggard, D., Heinke, C.O., **Degenaar, N.**, Clavel, M., Goldwurm, A., Morris, M.R., Rushton, A., Terrier, R., 2015, MNRAS 446, 1536  
*On the Fe-K absorption – accretion state connection in the Galactic center neutron star X-ray binary AX J1745.6–2901*
- 2014 Homan, J., Fridriksson J.K., Wijnands, R., Cackett, E.M., **Degenaar, N.**, Linares, M., Lin, D., Remillard R.A., 2014, ApJ 795, 131  
*A Strongly-heated neutron star in the transient Z-source MAXI J0556–332*
- Armas Padilla, M., Wijnands, R., **Degenaar, N.**, Muñoz-Darias, T., Casares, J., Fender, R., 2014, MNRAS 444, 902  
*The very-faint black hole X-ray transient Swift J1357.2–0933 in quiescence*
- Reynolds, M.T., Reis, R.C., Miller, J. M., Cackett, E.M., **Degenaar, N.**, 2014, MNRAS 441, 3656  
*The quiescent X-ray spectrum of accreting black holes*
- Koch, E., W., Bahramian, A., Heinke, C.O., Mori, K., Rea, N., **Degenaar, N.**, Haggard, D., Wijnands, R., Ponti, G., Miller, J.M., Yusef-Zadeh, F., Dufour, F., Cotton, W.D., Baganoff, F., Reynolds, M., 2014, MNRAS 442, 372  
*The 2013 outburst of a very faint neutron star transient X-ray binary, 23'' from Sgr A\**
- Armas Padilla, M., Wijnands, R., Altamirano, D., Mendez, M., Miller, J. M., **Degenaar, N.**, 2014, MNRAS 439, 3908  
*An X-ray view of the very faint black hole X-ray transient Swift J1357.2–0933 during its 2011 outburst*
- Bahramian, A., Heinke, C. O., Sivakoff, G. R., Altamirano, D., Wijnands, R., Homan, J., Linares, M., Pooley, D., **Degenaar, N.**, Gladstone, J. C., 2014, ApJ 780, 127  
*Discovery of the third transient X-ray binary in the Galactic globular cluster Terzan 5*
- 2013 Miller, J. M., Raymond, J., Kallman, T. R., Maitra, D., Fabian, A. C., Proga, D., Reynolds, C. S., Reynolds, M. T., **Degenaar, N.**, King, A. L., Cackett, E.M., Kennea, J. A., Beardmore, A., 2013, ApJ 788, 53  
*Chandra spectroscopy of MAXI J1305–704: Detection of an infalling black hole disk wind?*
- Campana, S., Brivio, F., **Degenaar, N.**, Mereghetti, S., Wijnands, R., D'Avanzo, P., Israel, G. L., Stella, L., 2013, MNRAS 441, 1984  
*The return to quiescence of Aql X-1 following the 2010 outburst*

- Bernardini, F., Cackett, E. M., Brown, E. B., D'Angelo, C., **Degenaar, N.**, Miller, J. M., Reynolds, M. T., Wijnands, R., 2013, MNRAS, 436, 2465  
*Daily, multi-wavelength Swift monitoring of the neutron star low-mass X-ray binary Cen X-4: evidence for accretion and reprocessing during quiescence*
- Reis, R. C., Reynolds, M. T., Miller, J. M., Walton, D. J., Maitra, D., King, A. L., **Degenaar, N.**, 2013, ApJ, 778, 155  
*Swift J1910.2–0546: A possible black hole binary with a retrograde spin or truncated disk*
- Armas Padilla, M., Wijnands, R., **Degenaar, N.**, 2013, MNRAS Letters 436, L89  
*XMM-Newton and Swift spectroscopy of the newly discovered very-faint X-ray transient IGR J17494–3030*
- Cao, Y., Kasliwal, M. M., Arcavi, I., Horesh, A., Hancock, P., Valenti, S., Cenko, B., Kulkarni, S. R., Gal-Yam, A., Gorbikov, E., Ofek, E. O., Sand, D., Yaron, O., Graham, M., Silverman, J. M., Wheeler, J. C., Marion, G. H., Walker, E., Mazzali, P., Howell, D. A., Bloom, J., Nugent, P. E., Surace, J., Masci, F., Carpenter, J., **Degenaar, N.**, Gelino, C., 2013, ApJ Letters, 775, L7  
*Discovery, progenitor and early evolution of a stripped envelope supernova iPTF13bvn*
- Neilsen J., Nowak, M. A., Gammie, C., Nayakshin, S., Markoff, S. B., Dexter, J., Haggard, D., Yuan, F., Wang, D. Q., Grosso, N., Porquet, D., Tomsick, J., **Degenaar, N.**, Fragile, P. C., Houck, J. C., Davis, J., Wijnands, R., 2013, ApJ 774, 42  
*A Chandra/HETGS census of X-ray variability from Sgr A\* during 2012*
- Cackett, E.M., Brown, E. F., Cumming, A., **Degenaar, N.**, Fridriksson, J., Homan, J., Miller, J. M., Wijnands, R., 2013, ApJ 774, 131  
*A change in the quiescent X-ray spectrum of the neutron star low-mass X-ray binary MXB 1659–29*
- Wijnands, R., **Degenaar, N.**, 2013, MNRAS 434, 1599  
*A low-level accretion flare during the quiescent state of the neutron-star X-ray transient SAX J1750.8–2900*
- Armas Padilla, M., **Degenaar, N.**, Wijnands, R., 2013, MNRAS 434, 1586  
*The X-ray spectral properties of very-faint persistent neutron star X-ray binaries*
- Cackett, E. M., Brown, E. F., **Degenaar, N.**, Miller, J. M., Reynolds, M., Wijnands, R., 2013, MNRAS 433, 1362  
*An X-ray-UV correlation in Cen X-4 during quiescence*
- Wijnands, R., **Degenaar, N.**, Page, D., 2013, MNRAS 432, 2366  
*Testing the deep-crustal heating model using quiescent neutron star very-faint X-ray binaries and the possibility of hybrid crust in accreting neutron stars*
- Kennea, J. A., Burrows, D. N., Kouveliotou, C., Palmer, D. M., Gogus, E., Kaneko, Y., Evans, P. A., **Degenaar, N.**, Reynolds, M., Miller, J. M., Wijnands, R., Mori, K., Gehrels, N., 2013, ApJ Letters 770, L24  
*Swift Discovery of a New Soft Gamma Repeater, SGR J1745–29, near Sagittarius A\**
- Armas Padilla, M., **Degenaar, N.**, Russell, D. M., Wijnands, R., 2013, MNRAS 428, 3083  
*Multi-wavelength spectral evolution during the 2011 outburst of the very faint X-ray transient Swift J1357.2–0933*
- 2012 Altamirano, D., Keek, L., Cumming, A., Sivakoff, G. R., Heinke, C. O., Wijnands, R., **Degenaar, N.**, Homan, J., Pooley, D., 2012, MNRAS 426, 927  
*A superburst candidate in EXO 1745–248 as a challenge to thermonuclear ignition models*
- Haskall, B., **Degenaar, N.**, Ho, W. C. G., 2012, MNRAS 424, 93  
*Constraining the physics of the r-mode instability in neutron stars with X-ray and UV observations*
- 2011 Armas Padilla, M., **Degenaar, N.**, Patruno, A., Russell, D.M., Linares, M., Maccarone, T., Homan, J., Wijnands, R., 2011, MNRAS 417, 659  
*X-ray softening in the new X-ray transient XTE J1719–291 during its 2008 outburst decay*
- Fridriksson, J. K., Homan, J., Wijnands, R., Cackett, E. M., Altamirano, D., Brown, E. F., **Degenaar, N.**, Méndez, M., Belloni, T. M., 2011, ApJ 736, 162  
*The Variable Quiescent X-Ray Emission of the Neutron Star Transient XTE J1701–462*
- Chenevez, J., Altamirano, D., Galloway, D. K., in t Zand, J. J. M., Kuulkers, E., **Degenaar, N.**, Falanga, M., Del Monte, E., Evangelista, Y., Feroci, M., Costa, E., 2011, MNRAS 410, 179  
*Puzzling thermonuclear burst behavior from the transient low-mass X-ray binary IGR J17473–2721*

- Altamirano, D., Cavecchi, Y., Patruno, A., Watts, A., Linares, M., **Degenaar, N.**, Kalamkar, M., van der Klis, M., Rea, N., Casella, P., Armas Padilla, M., Kaur, R., Yang, Y. J., Soleri, P., Wijnands, R., 2011, ApJ Letters 727, L18  
*Timing of the first eclipsing accretion-powered millisecond X-ray pulsar*
- 2010 Cackett, E. M., Brown, E. F., Cumming, A., **Degenaar, N.**, Miller, J. M., Wijnands, R., 2010, ApJ Letters 722, L137  
*Continued cooling of the crust in the neutron star low-mass X-ray binary KS 1731–260*
- Linares, M., Watts, A., Altamirano, D., Soleri, P., **Degenaar, N.**, Yang, Y., Wijnands, R., Casella, P., Homan, J., Chakrabarty, D., Rea, N., Armas-Padilla, M., Cavecchi, Y., Kalamkar, M., Kaur, R., Patruno, A., van der Klis, M., 2010, ApJ Letters 719, L84  
*The return of the bursts: Thermonuclear flashes from Circinus X-1*
- Del Santo, M., Sidoli, L., Romano, P., Bazzano, A., Wijnands, R., **Degenaar, N.**, Mereghetti, S., 2010, MNRAS Letters 403, L89  
*Unveiling the hard X-ray spectrum from the 'burst-only' source SAX J1753.5–2349*
- Fridriksson, J. K., Homan, J., Wijnands, R., Méndez, M., Cackett, E. M., Altamirano, D., Belloni, T. M., Brown, E. F., **Degenaar, N.**, Lewin, W. H. G., 2010, ApJ 714, 270  
*Rapid cooling of the neutron star in the quiescent super-Eddington transient XTE J1701–462*
- Altamirano, D., Linares, M., Patruno, A., **Degenaar, N.**, Wijnands, R., Klein-Wolt, M., van der Klis, M., Markwardt, C., Swank, J., 2010, MNRAS 401, 223  
*Type I X-ray bursts, burst oscillations and kHz quasi-periodic oscillations in the neutron star system IGR J17191–2821*
- Kaur, R., Wijnands, R., Paul, B., Patruno, A., **Degenaar, N.**, 2010, MNRAS 402, 2388  
*Near-infrared/optical identification of five low-luminosity X-ray pulsators*
- 2009 Wiersema, K., Russell, D. M., **Degenaar, N.**, Klein-Wolt, M., Wijnands, R., Heinz, S., Read, A. M., Saxton, R. D., Tanvir, N. R., 2009, MNRAS Letters 397, L6  
*Discovery of a large and bright bow shock nebula associated with low-mass X-ray binary SAX J1712.6–3739*
- Watts, A. L., Altamirano, D., Linares, M., Patruno, A., Casella, P., Cavecchi, Y., **Degenaar, N.**, Rea, N., Soleri, P., van der Klis, M., Wijnands, R., 2009, ApJ Letters 698, L174  
*Discovery of burst oscillations in the intermittent accretion-powered millisecond pulsar HETE J1900.1–2455*
- Kaur, R., Wijnands, R., Patruno, A., Testa, V., Israel, G. L., **Degenaar, N.**, Paul, B., Kumar, B., 2009, MNRAS 394, 1597  
*Chandra and XMM-Newton observations of the low-luminosity X-ray pulsators SAX J1324.4–6200 and SAX J1452.8–5949*
- Linares, M., Watts, A. L., Wijnands, R., Soleri, P., **Degenaar, N.**, Curran, P. A., Starling, R. L. C., van der Klis, M., 2009, MNRAS Letters 392, L11  
*The Swift capture of a long X-ray burst from XTE J1701–407*
- 2008 Cackett, E. M., Wijnands, R., Miller, J. M., Brown, E. F., **Degenaar, N.**, 2008, ApJ Letters 687, L87  
*Cooling of the crust in the neutron star low-mass X-ray binary MXB 1659–29*

### Conference Proceedings: First Author

3. **Degenaar, N.**, Wijnands, R., Reynolds, M. T., Miller, J. M., Kennea, J., Gehrels, N., on behalf of a larger collaboration, 2014, IAUS 303, 315  
*The Galactic center X-ray transients AX J1745.6–2901 and GRS 1741–2853*
2. **Degenaar, N.**, Wijnands, R., 2013, IAUS 290, 113  
*The transient neutron star X-ray binary KS 1741–291 in outburst and quiescence*
1. **Degenaar, N.**, Wijnands, R., 2013, IAUS 291, 141  
*A peculiar thermonuclear X-ray burst from the accreting neutron star SAX J1810.8–2609*

## Conference Proceedings: Co-Author

- 2019 Kretschmar, P., Martnez-Núñez, S., Frst, F., Grinberg, V., Lomaeva, M., El Mellah, I., Manousakis, A., Sander, A.A.C., **Degenaar, N.**, van den Eijnden, J., 2019, proceedings of the 12th INTEGRAL conference ‘INTEGRAL looks AHEAD to Multimessenger astronomy’, arXiv:1905.08578  
*Vela X-1 as a laboratory for accretion in High-Mass X-ray Binaries*
- 2014 Haskell, B., Andersson, N., D’Angelo, C., **Degenaar, N.**, Glampedakis, K., Ho, W.C.G., Lasky, P.D., Melatos, A., Oppenorth, M., Patruno, A., Priymak, M., 2014, proceedings of ‘Gravitational Waves Astrophysics: 3rd Session of the Sant Cugat Forum on Astrophysics, 2014’, ed. C.F. Sopuerta, arXiv:1407.8254  
*Gravitational waves from rapidly rotating neutron stars*
- Neilsen, J., Nowak, M.A., Gammie, C., Dexter, J., Markoff, S., Haggard, D., Nayakshin, S., Wang, Q.D., Grosso, N., Porquet, D., Tomsick, J.A., **Degenaar, N.**, Fragile, P.C., Houck, J.C., Wijnands, R., Miller, J.M., Baganoff, F.K., 2014, IAUS 303, 374  
*The 3 Ms Chandra campaign on Sgr A\*: a census of X-ray flaring activity from the Galactic center*
- Bernardini, F., Cackett, E. M., Brown, E. F., D’Angelo, C., **Degenaar, N.**, Miller, J. M., Reynolds, M., Wijnands, R. 2014, proceedings of ‘Physics at the Magnetospheric Boundary’ held in Geneva, Switzerland. EPJ Web of Conferences, 64, ID06007, eds. E. Bozzo, P. Kretschmar, M. Audard, M. Falanga and C. Ferrigno  
*X-ray/UV correlation in the quiescent emission of Cen X-4, evidence of accretion and reprocessing*
- 2009 Fridriksson, J.K., Homan, J., Wijnands, R., Méndez, M., Cackett, E.M., Altamirano, D., Belloni, T.M., Brown, E.F., **Degenaar, N.**, Lewin, W.H.G., 2009, proceedings of ‘Chandra’s First Decade of Discovery’ held in Boston, MA, USA, abstract 101, eds S. Wolk, A. Fruscione, and D. Swartz  
*Rapid Cooling of the Neutron Star in the Quiescent Super-Eddington Transient XTE J1701–462*

## White Papers: Co-Author

- 2019 Steiner, J.F., et al. 2019, white paper for Astro2020 Decadal Survey, BAA 51, 3, 359  
*Accretion Physics with Fast X-ray Spectral Timing*
- Ray, P.S., et al. 2019, white paper for Astro2020 Decadal Survey, arXiv:1903.03035  
*STROBE-X: X-ray Timing and Spectroscopy on Dynamical Timescales from Microseconds to Years*
- in ’t Zand, J.M.M., et al. 2019, SCPMA 62, 29506, arXiv:1812.04023  
*Observatory science with eXTP*
- Watts, A.L., et al., 2019, SCPMA 62, 29503, arXiv:1812.04021  
*Dense matter with eXTP*
- 2017 Ghandi, P., **Degenaar, N.**, Done, C., Watson, M.G., 2017, A&G 58, 6, arXiv:1708.06364  
*Realising the full potential of X-ray astronomy in the UK*
- 2015 Maccarone, T.J., Wijnands, R.A.D., **Degenaar, N.**, Archibald, A., Watts, A.L., Vaughan, S., Wynn, G., Kneivitt, G., Farr, W., Andersson, N., van der Klis, M., 2015, arXiv:1501.02769  
*Binary evolution with LOFT*
- in ’t Zand, J.M.M., Altamirano, D., Ballantyne, D.R., Bhattacharyya, S., Brown, E.F., Cavecchi, Y., Chakrabarty, D., Chenevez, J., Cumming, A., **Degenaar, N.**, Falanga, M., Galloway, D.K., Heger, A., Jos, J., Keek, L., Linares, M., Mahmoodifar, S., Malone, M.C., Mndez, M., Miller, M.C., Paerels, F.B.S., Poutanen, J., Rzana, A., Schatz, H., Serino, M., Strohmayer, T.E. Suleimanov, V.F. Thielemann, F.-K., Watts, A.L., Weinberg, N.N., Wosley, S.E., Yu, W., Zhang, S., Zingale M., 2015, arXiv:1501.02776  
*The LOFT perspective on neutron star thermonuclear bursts*

## Non-refereed Publications: First Author

- 2020 **Degenaar, N.**, Wijnands, R., Reynolds, M.T., Miller, J.M., Kennea, J.A., on behalf of a larger collaboration, 2020, ATel 13839  
*Renewed activity of the Galactic center transient Swift J174535.5–285921 seen with Swift/XRT*
- Degenaar, N.**, Wijnands, R., Reynolds, M.T., Miller, J.M., Kennea, J.A., on behalf of a larger collaboration, 2020, ATel 13683  
*Swift/XRT detects a new outburst of the Galactic Center transient GRS 1741.9–2853*

- Degenaar, N.**, Wijnands, R., Reynolds, M.T., Miller, J.M., Kennea, J.A., on behalf of a larger collaboration, 2020, ATel 13453  
*Swift/XRT detects (continued) activity of the Galactic center transient AX J1745.6–2901*
- 2019 **Degenaar, N.**, Wijnands, R., Reynolds, M.T., Miller, J.M., Kennea, J.A., on behalf of a larger collaboration, 2019, ATel 13150  
*Swift/XRT detects a new outburst of the Galactic Center transient AX J1745.6–2901*
- Degenaar, N.**, Reynolds, M.T., Wijnands, R., Miller, J.M., Kennea, J.A., on behalf of a larger collaboration, 2019, ATel 12768  
*Swift/XRT detects a bright X-ray flare from Sgr A\**
- 2018 **Degenaar, N.**, Wijnands, R., Reynolds, M.T., Miller, J.M., Kennea, J.A., on behalf of a larger collaboration, 2018, ATel 11263  
*Swift resumes X-ray monitoring observations of the Galactic center in 2018*
- Degenaar, N.**, Wijnands, R., Reynolds, M.T., Miller, J.M., Kennea, J.A., on behalf of a larger collaboration, 2018, ATel 11263  
*Swift resumes X-ray monitoring observations of the Galactic center in 2018*
- 2017 **Degenaar, N.**, Wijnands, R., Reynolds, M.T., Miller, J.M., Kennea, J., on behalf of a larger collaboration, 2017, ATel 10859  
*Swift/XRT detects a new accretion outburst of the Galactic center neutron star transient GRS 1741–2853*
- Degenaar, N.**, Reynolds, M.T., Wijnands, R., Miller, J.M., Kennea, J., on behalf of a larger collaboration, 2017, ATel 10323  
*Swift/XRT detects renewed activity of the Galactic center transient AX J1745.6–2901*
- Degenaar, N.**, Reynolds, M.T., Wijnands, R., Miller, J.M., Kennea, J., on behalf of a larger collaboration, 2017, ATel 10175  
*Swift/XRT detects renewed activity of the Galactic center transient CXOGC J174540.0–290005*
- Degenaar, N.**, Wijnands, R., Reynolds, M.T., Miller, J.M., Kennea, J., on behalf of a larger collaboration, 2017, ATel 10089  
*Swift resumes X-ray monitoring observations of the Galactic center in 2017*
- 2016 **Degenaar, N.**, Wijnands, R., Reynolds, M., Miller, J.M., Kennea, J., Gehrels, N., on behalf of a larger collaboration, 2016, ATel 9551  
*Swift/XRT detects renewed activity of the Galactic center transient XMM J174457–2850.3*
- Degenaar, N.**, Wijnands, R., Reynolds, M., Miller, J.M., Kennea, J., Gehrels, N., on behalf of a larger collaboration, 2016, ATel 9236  
*Swift/XRT detects renewed activity of the Galactic center X-ray transient Swift J174535.5–285921*
- Degenaar, N.**, Reynolds, M., Wijnands, R., Miller, J.M., Kennea, J., Ponti, G., Haggard, D., Gehrels, N., on behalf of a larger collaboration, 2016, ATel 9196  
*Continued Swift/XRT observations of the new Galactic center transients Swift J174540.2–290037 and Swift J174540.7–290015*
- Degenaar, N.**, Reynolds, M., Wijnands, R., Miller, J.M., Kennea, J., Ponti, G., Haggard, D., Gehrels, N., on behalf of a larger collaboration, 2016, ATel 9109  
*Swift/XRT detection of another active X-ray transient close to Sgr A\**
- Degenaar, N.**, Wijnands, R., Reynolds, M., Miller, J.M., Kennea, J., Gehrels, N., Ponti, G., Haggard, D., on behalf of a larger collaboration, 2016, ATel 8881  
*Swift/XRT detects renewed activity of the Galactic center transient GRS 1741–2853*
- 2015 **Degenaar, N.**, Altamirano, D., Deller, A., Heinke, C., Hessels, J., Jaodand, A., Miller-Jones, J., Moldon, J., Wijnands, R., 2015, ATel 7352  
*The neutron star LMXB 1RXS J180408.9–342058 transitioned to a soft X-ray state*
- Degenaar, N.**, Wijnands, R., Reynolds, M. T., Miller, J. M., Kennea, J., Gehrels, N., on behalf of a larger collaboration, 2015, ATel 7023  
*Swift resumes X-ray monitoring observations of the Galactic center*

- 2014 **Degenaar, N.**, Reynolds, M. T., Miller, J. M., Kennea, J., Wijnands, R., Haggard, D., on behalf of a larger collaboration, 2014, ATel 6458  
*No sustained enhanced X-ray emission near the Galactic center*
- Degenaar, N.**, Wijnands, R., Reynolds, M. T., Miller, J. M., Kennea, J., Gehrels, N., Haggard, D., Ponti, G., on behalf of a larger collaboration, 2014, ATel 5861  
*Continued Swift/XRT monitoring observations of the Galactic center*
- Degenaar, N.**, Wijnands, R., Reynolds, M. T., Miller, J. M., Kennea, J., Gehrels, N., Haggard, D., Ponti, G., on behalf of a larger collaboration, 2014, ATel 5847  
*Swift/XRT monitoring observations of the Galactic center have resumed*
- 2013 **Degenaar, N.**, Reynolds, M. T., Miller, J. M., Wijnands, R., Kennea, J., Gehrels, N., on behalf of a larger collaboration, 2013, ATel 5246  
*Swift/XRT detects activity of the Galactic center transient GRS 1741–2853*
- Degenaar, N.**, Kennea, J., Wijnands, R., Reynolds, M. T., Miller, J. M., Gehrels, N., on behalf of a larger collaboration, 2013, ATel 5226  
*New Swift/XRT observations confirm that the active Galactic center transient is AX J1745.6–2901*
- Degenaar, N.**, Wijnands, R., Reynolds, M. T., Miller, J. M., Kennea, J., Gehrels, N., on behalf of a larger collaboration, 2013, ATel 5222  
*Swift/XRT monitoring observations detect an active X-ray transient near the Galactic center*
- Degenaar, N.**, Wijnands, R., 2013, ATel 5117  
*Swift observations confirm renewed activity of the transient neutron star X-ray binary Aql X-1*
- Degenaar, N.**, Wijnands, R., Reynolds, M. T., Miller, J. M., Kennea, J., Gehrels, N., on behalf of a larger collaboration, 2013, ATel 5074  
*Swift/XRT detection of an active X-ray transient near the Galactic center*
- Degenaar, N.**, Reynolds, M. T., Miller, J. M., Kennea, J., Wijnands, R., 2013, ATel 5006  
*Large flare from Sgr A\* detected by Swift*
- 2012 **Degenaar, N.**, Kennea, J. A., Wijnands, R., Miller, J. M., Gehrels, N., 2012, ATel 4308  
*The galactic center X-ray transient XMM J174457–2850.3 is a neutron star low-mass X-ray binary*
- Degenaar, N.**, Wijnands, R., Kennea, J. A., Miller, J. M., Gehrels, N., 2012, ATel 4305  
*Renewed activity of the galactic center X-ray transient XMM J174457–2850.3 detected with Swift/XRT*
- Degenaar, N.**, Altamirano, D., Wijnands, R., 2012, ATel 4219  
*IGR J17062–6143 is likely a bursting neutron star low-mass X-ray binary*
- 2011 **Degenaar, N.**, Yang, Y.J., Wijnands, R., 2011, ATel 3741  
*Swift detection of a type-I X-ray burst from Swift J1922.7–1716*
- Degenaar, N.**, Wijnands, R., Altamirano, D., Cackett, E., Linares, M., Homan, J., Fridriksson, J., 2011, ATel 3654  
*X-ray re-brightening detected from the neutron star transient XTE J1701–407*
- Degenaar, N.**, Wijnands, R., Altamirano, D., Cackett, E., Linares, M., Homan, J., Fridriksson, J., 2011, ATel 3604  
*The neutron star transient XTE J1701–407 has returned to quiescence after a 3-year long outburst*
- Degenaar, N.**, Wijnands, R., Kennea, J. A., Gehrels, N., 2011, ATel 3508  
*The Galactic center transient Swift J174535.5–285921 has returned to quiescence*
- Degenaar, N.**, Wijnands, R., Kennea, J. A., Gehrels, N., 2011, ATel 3472  
*Swift/XRT discovers a new X-ray transient near the Galactic center: Swift J174535.5–285921*
- Degenaar, N.**, Altamirano, D., Armas Padilla, M., Kaur, R., Wijnands, R., Yang, Y. J., 2011, ATel 3202  
*Swift/XRT localization of the neutron star X-ray transient SAX J1806.5–2215*
- 2010 **Degenaar, N.**, Wijnands, R., Kennea, J. A., Gehrels, N., 2010, ATel 2770  
*Swift/XRT detects new outbursts of the galactic center X-ray transients GRS 1741–2853 and XMM J174457–2850.3*
- Degenaar, N.**, Wijnands, R., Kennea, J. A., Gehrels, N., 2010, ATel 2690  
*Swift/XRT detects renewed activity of the galactic center X-ray transient AX J1745.6–2901*

- 2008 **Degenaar, N.**, Wijnands, R., 2008, ATel 1831  
*Swift/XRT observations of SAX J1828.5–1037 in outburst*
- Degenaar, N.**, Wijnands, R., 2008, ATel 1809  
*Swift/XRT localization of the X-ray burster SAX J1753.5–2349*
- Degenaar, N.**, Wijnands, R., 2008, ATel 1572  
*Swift/XRT follow-up observation of the new X-ray source XTE J1701–407*
- Degenaar, N.**, Wijnands, R., 2008, ATel 1541  
*Swift/XRT observations of the X-ray transients KS1741–293 and XTE J1719–291*
- Degenaar, N.**, Wijnands, R., Munro, M., 2008, ATel 1531  
*Chandra detects activity from the Galactic X-ray transients KS 1741–293, Swift J174535.5–290135.6 and CX-OGC J174535.5–290124*
- Degenaar, N.**, Altamirano, D., Wijnands, R., 2008, ATel 1467  
*Re-brightening of XTE J1719–291*
- Degenaar, N.**, Altamirano, D., Klein-Wolt, M., Wijnands, R., 2008, ATel 1451  
*Swift/XRT follow-up observation of the field of XTE J1719–291*
- 2007 **Degenaar, N.**, Klein-Wolt, M., Wijnands, R., 2007, ATel 1175  
*Swift/XRT observations of the neutron-star X-ray transient SAX J1810.8–2609*
- Degenaar, N.**, Krauss, M., Maitra, D., Wijnands, R., Jonker, P., Juett, A., Markwardt, C., Bailyn, C., Chakrabarty, D., 2007, ATel 1136  
*Chandra position and possible IR counterpart for the very-faint X-ray transient XMMU J174716.1–281048*
- Degenaar, N.**, Campana, S., Galloway, D., Lewin, W., Homan, J., Chakrabarty, D., Morgan, E., Jonker, P., Cackett, E., Miller, J., Wijnands, R., 2007, ATel 1106  
*Increased flux of HETE J1900.1–2455 detected with both Swift/XRT and RXTE/PCA*
- Degenaar, N.**, Wijnands, R., Campana, S., Galloway, D., Lewin, W., Homan, J., Chakrabarty, D., Jonker, P., Cackett, E., Miller, J., 2007, ATel 1098  
*Swift/XRT non-detection of HETE J1900.1–2455*
- Degenaar, N.**, Wijnands, R., Galloway, D., Lewin, W., Homan, J., Chakrabarty, D., Campana, S., Miller, J., Cackett, E., 2007, ATel 1091  
*Continuing flux decay of HETE J1900.1–2455 as observed with Swift/XRT*
- Degenaar, N.**, Wijnands, R., 2007, ATel 1078  
*Swift/XRT observations of the very-faint X-ray transient XMMU J174716.1–281048*

#### Non-refereed Publications: Co-author

- 2020 van den Eijnden, J. ; Degenaar, N. ; Wijnands, R. ; Russell, T. D. ; Sivakoff, G. R. ; Miller-Jones, J. C. A. ; Rouco Escorial, A. ; Herdez Santisteban, J. ; Reynolds, M., 2020, ATel 14193  
*VLA detection of the radio counterpart of the BeXRB 1A 0535+262*
- van den Eijnden, J. ; Degenaar, N. ; Wijnands, R. ; Russell, T. D. ; Stoop, M. ; Armas Padilla, M. ; Russell, D. M. ; Maitra, D. ; Heinke, C. O. ; Sivakoff, G. R. ; Shaw, A. W. ; Maccarone, T. J. ; Miller-Jones, J. C. A. ; Bahramian, A. 2020, ATel 14129  
*VLA detection of a likely radio counterpart of IGR J17494–3030*
- Gusinskaia, N. V. ; Hessels, J. W. T. ; Jaodand, A. D. ; Miller-Jones, J. C. A. ; Degenaar, N. ; Deller, A. T. ; Russell, T. D. ; Bogdanov, S. 2020, ATel 14061  
*VLA radio non-detection of IGR J17379–3747 as the X-ray flux drops*
- van den Eijnden, J. ; Degenaar, N. ; Wijnands, R. ; Russell, T. ; Stoop, M. ; Armas Padilla, M. ; Russell, D. M. ; Maitra, D. ; Heinke, C. O. ; Sivakoff, G. R. ; Shaw, A. W. ; Maccarone, T. J. ; Miller-Jones, J. C. A. ; Bahramian, A., 2020, ATel 13716  
*VLA radio detection of the new X-ray transient SRGt J071522.1–191609*
- 2019 Domček, V., van den Eijnden, J., Rouco Escorial, A., Hernández Santisteban, J., **Degenaar, N.**, Wijnands, R., Parikh, A.S., Zhou, P., Vink, J., 2019, ATel 13215 *Serendipitous detection of a new outburst of the HMXB IGR J19294+1816 with XMM-Newton*



- Reynolds, M.T., **Degenaar, N.**, Wijnands, R., Miller, J.M., Kennea, J.A., on behalf of a larger collaboration, 2019, ATel 12927 *New Galactic Center X-ray Transient Outburst Detected by Swift: SWIFT J174448.4–290729*
- Heinke, C.O., Bahramian, A., Wijnands, R., Maccarone, T.J., **Degenaar, N.**, in 't Zand, J.J.M., T.D., Kennea, J.A., Kuulkers, E., Rivera-Sandoval, L., Shaw, A.W., Sivakoff, G.R., Strader, J., Tetarenko, A.J., 2019, ATel 12843 *Swift Bulge Survey: X-ray activity of bursters KS 1741–293, IGR J17445–2747, SAX J1750.8–2900, and symbiotic X-ray binary XMMU J174445.5–295044*
- Beri, A., Wijnands, R., Russell, T.D., **Degenaar, N.**, van den Eijnden, J., Gandhi, P., Paice, J. A., Altamirano, D., Armas Padilla, M., 2019, ATel 12861 *Swift Observation during the 2019 outburst of Swift J1357.2–0933*
- van den Eijnden, J., **Degenaar, N.**, Russell, T.D., Wijnands, R., Hernández Santisteban, J.V., Russell, D.M., Maitra, D., Heinke, C.O., Sivakoff, G.R., Shaw, A.W., Maccarone, T.J., Miller-Jones, J.C.A., Bahramian, A., Armas Padilla, M., 2019, ATel 12669 *VLA radio detection of the very-faint X-ray transient IGR J17285–2922*
- Armas Padilla, M., van den Eijnden, J., **Degenaar, N.**, Wijnands, R., 2019, ATel 12651 *Swift/XRT detection of the very faint X-ray binary transient IGR J17285–2922*
- van den Eijnden, J., Ludlam, R., Homan, J., Gendreau, K.C., Arzoumanian, Z., Altamirano, D., Steiner, J., Remillard, R., **Degenaar, N.**, Russell, T.D., Uttley, P., Stevens, A.L., Miller, J.M., 2019, ATel 12440 *NICER Observes Transition to the Intermediate State in MAXI J1631–479*
- Russell, T.D., Anderson, G., Miller-Jones, J., **Degenaar, N.**, van den Eijnden, J., Sivakoff, G.R., Tetarenko, A., 2019, ATel 12456 *ATCA detects the radio brightening of the X-ray transient MAXI J1348–630*
- Russell, T.D., van den Eijnden, J., **Degenaar, N.**, 2019, ATel 12396 *ATCA radio detection of the new X-ray transient MAXI J1631–478*
- 2018 Shaw, A.S., **Degenaar, N.**, Heinke, C.O., 2018, ATel 11970 *Detection of the NIR counterpart of the accreting millisecond pulsar IGR J17591–2342*
- Russell, T.D., **Degenaar, N.**, Wijnands, R., van den Eijnden, J., 2018, ATel 11954 *ATCA radio detection of the new X-ray transient IGR J17591–2342 suggests a black hole candidate*
- Parikh, A.S., Wijnands, R., **Degenaar, N.**, Altamirano, D., 2018, ATel 11869 *Black hole candidate GRS 1739-278 is exhibiting an unusual, long-duration quasi-steady hard state*
- Bahramian, A., Heinke, C., **Degenaar, N.**, Homan, J., Sivakoff, G., Miller-Jones, J.M., 2018, ATel 11747 *A new outburst from the Rapid Burster*
- Homan, J., van den Berg, M., Heinke, C.O., **Degenaar, N.**, van den Eijnden, J., Bahramian, A., Pooley, D., Gendreau, K., Arzoumanian, Z., 2018, ATel 11598 *Discovery of a new X-ray transient in the globular cluster Liller 1*
- Rouco Escorial, A., **Degenaar, N.**, van den Eijnden, J., Wijnands, R., 2018, ATel 11517 *X-ray rebrightening of the Be/X-ray transient Swift J0243.6+6124*
- van den Eijnden, J., **Degenaar, N.**, Russell, T., Wijnands, R., Hernández Santisteban, J. V., Russell, D. M., Maitra, D., Heinke, C., Sivakoff, G., Maccarone, T., Miller-Jones, J., Armas Padilla, M., Bahramian, A., 2018, ATel 11487 *VLA radio detection of the very-faint X-ray transient IGR J17379–3747*
- Reynolds, M.T., Kennea, J.A., Miller, J.M., **Degenaar, N.**, Wijnands, R., on behalf of a larger collaboration, 2018, ATel 11313 *X-ray flare from Galactic Center detected by Swift*
- 2017 van den Eijnden, J., **Degenaar, N.**, Russell, T., Wijnands, R., Hernández Santisteban, J. V., Sivakoff, G., Heinke, C., Miller-Jones, J., Bahramian, A., Maccarone, T., Kennea, J. A., Knigge, C., 2017, ATel 10946 *VLA radio detection of the newly discovered transient and super-Eddington X-ray pulsar Swift J0243.6+6124*
- Tetarenko, A.J., Bahramian, A., Sivakoff, G.R., Heinke, C.O., Wijnands, R., **Degenaar, N.**, Miller-Jones, J.C.A., Kuulkers, E., Plotkin, R., Chomiuk, L., Strader, J., Tremou, E., Kennea, J.A., Altamirano, D., in 't Zand, J.M.M., Deller, A., Maccarone, T.J., 2017, ATel 10843 *Radio Non-Detection of the Currently Outbursting Transient Source in NGC 6440*
- Bahramian, A., Kennea, J.A., Altamirano, D., Beri, A., Heinke, C.O., Sivakoff, G.R., Tetarenko, A.J., Wijnands, R., **Degenaar, N.**, 2017, ATel 10826 *Swift Confirmation of new transient activity in NGC 6440*

- Bahramian, A., Strader, J., Heinke, C.O., Sivakoff, G.R., Kennea, J.A., **Degenaar, N.**, Wijnands, R., 2017, ATel 10685  
*Optical Spectroscopy of IGR J17329–2731 with SOAR: A Symbiotic Binary?*
- Parikh, A., Wijnands, R., **Degenaar, N.**, Altamirano, D., 2017, ATel 10612  
*Swift J181723.1–164300 is likely a new bursting neutron star low-mass X-ray binary*
- Maccarone, T.J., Bahramian, A., Heinke, C.O., Shaw, A.W., Sivakoff, G.R., Kennea, J.A., Wijnands, R., **Degenaar, N.**, Strader, J., in 't Zand, J.J.M., Kuulkers, E., Chakrabarty, D., 2017, ATel 10428  
*Chandra follow-up of Swift J1752339–290952*
- Tetarenko, A.J., Sivakoff, G.R., Heinke, C.O., Shaw, A.W., Bahramian, A., Strader, J., Kennea, J.A., Maccarone, T.J., Wijnands, R., **Degenaar, N.**, in 't Zand, J.J.M., Kuulkers, E., 2017, ATel 10422  
*Radio non-detection of the new Swift Bulge Survey transient Swift J175233.9–290952*
- Maccarone, T.J., Bahramian, A., Heinke, C.O., Shaw, A.W., Sivakoff, G.R., Kennea, J.A., Wijnands, R., **Degenaar, N.**, Strader, J., in 't Zand, J.J.M., Kuulkers, E., 2017, ATel 10419  
*Variability from 1SXPS J1742150–291453: a very nearby X-ray source?*
- Bahramian, A., Heinke, C.O., Shaw, A.W., Strader, J., Kennea, J.A., Sivakoff, G.R., Wijnands, R., Maccarone, T.J., Kuulkers, E., in 't Zand, J.J.M., **Degenaar, N.**, 2017, ATel 10355  
*Discovery of a new X-ray transient, Swift J175233.9–290952, in the Swift Bulge Survey*
- Shaw, A.W., Heinke, C.O., Sivakoff, G.R., Bahramian, A., Strader, J., Maccarone, T.J., Kennea, J.A., Kuulkers, E., in 't Zand, J.J.M., Wijnands, R., **Degenaar, N.**, 2017, ATel 10305  
*NIR follow-up observations of the IGR J17445–2747 field*
- Kennea, J.A., Heinke, C.O., Bahramian, A., Maccarone, T.J., in 't Zand, J.J.M., Kuulkers, E., **Degenaar, N.**, Shaw, A.W., Sivakoff, G.R., Strader, J., Wijnands, R., 2017, ATel 10273  
*IGR J17445–2747: Updated Swift position*
- Heinke, C.O., Bahramian, A., Maccarone, T., in 't Zand, J., Kennea, J.A., Kuulkers, E., **Degenaar, N.**, Shaw, A.W., Sivakoff, G.R., Strader, J., Wijnands, R., 2017, ATel 10265  
*Activity of IGR J17445–2747 and SAX J1747.0–2853 in the Swift Bulge Survey*
- Armas Padilla, M., Wijnands, R., **Degenaar, N.**, Muñoz-Darias, T., Mata Sanchez, D., Casares J., Charles, P.A., 2017, ATel 10224  
*MAXI J1807+132 is fading in both X-rays and optical wavelengths*
- Parikh, A., Wijnands, R., Bahramian, A., **Degenaar, N.**, Heinke, C., 2017, ATel 10169  
*The neutron-star low-mass X-ray binary H 1658–298 back in quiescence*
- Russell, T., **Degenaar, N.**, Miller-Jones, J., Tudor, V., 2017, ATel 10106  
*Radio luminosity upper limits of the transient neutron star low-mass X-ray binary GRO J1744–28*
- 2016 Wijnands, R., Bahramian, A., Altamirano, D., Sivakoff, G., Heinke, C.O., **Degenaar, N.**, 2016, ATel 8982  
*A sub-luminous outburst of a transient in the Galactic globular cluster Terzan 5, possibly due to EXO 1745–248 (aka Terzan 5 X-1)*
- Tetarenko, A., Sivakoff, G.R., Bahramian, A., Heinke, C.O., Miller-Jones, J.C.A., Maccarone, T., **Degenaar, N.**, Wijnands, R., 2016, ATel 8744  
*VLA observations indicate GRS 1736–297 is either a black hole X-ray binary or accreting millisecond pulsar*
- Bahramian, A., Heinke, C.O., Wijnands, R., **Degenaar, N.**, 2016, ATel 8699  
*Continuing outburst from H 1658–298*
- Reynolds, M., Kennea, J., **Degenaar, N.**, Wijnands, R., Miller, J., 2016, ATel 8649  
*New Galactic Center X-ray Transient Detected by Swift: SWIFT J174540.7–290015*
- 2015 Heinke, C.O., Bahramian, A., Kennea, J., Wijnands, R., **Degenaar, N.**, 2015, ATel 8189  
*Swift/XRT imaging finds no new transient near MAXI reported burst position*
- Bahramian, A., Heinke, C.O., Wijnands, R., **Degenaar, N.**, Ponti, G., 2015, ATel 8046  
*Swift follow-up observations of outburst from H 1658–298*
- Tremou, E., Sivakoff, G., Bahramian, A., Heinke, C., Tetarenko, A., Wijnands, R., **Degenaar, N.**, Linares, M., Miller-Jones, J., Patruno, A., Chomiuk, L., Strader, J., Altamirano, D., Maccarone, T., Sanna, A., 2015, ATel 7262  
*VLA observations identify the currently active source in Terzan 5 as the neutron star transient EXO 1745–248*

- Deller, A., **Degenaar, N.**, Hessels, J., Heinke, C., Jaodand, A., Miller-Jones, J., Moldon, J., Wijnands, R., Altamirano, D., 2015, ATel 7255  
*Radio detection of the transient neutron star LMXB 1RXS J180408.9–342058*
- Linares, M., Chakrabarty, D., Marshall H., Bahramian, A., Heinke, C., Sivakoff, G., Altamirano, D., Patruno, A., Wijnands, R., **Degenaar, N.**, Sanna, A., 2015, ATel 7247  
*Swift refined location points to the neutron star transient EXO 1745–248 as the source currently active in Terzan 5*
- Bahramian, A., Altamirano, D., Heinke, C., Sivakoff, G., Linares, M., Patruno, A., Wijnands, R., **Degenaar, N.**, Sanna, A., 2015, ATel 7242  
*Swift/XRT follow up of the X-ray transient in the globular cluster Terzan 5*
- Altamirano, D., Krimm, H.A., Patruno, A., Bahramian, A., Heinke, C.O., Wijnands, R., **Degenaar, N.**, 2015, ATel 7240  
*Swift/BAT detects an outburst from an X-ray transient in the globular cluster Terzan 5*
- 2014 Reynolds, M. T., **Degenaar, N.**, Miller, J. M., Kennea, J., Wijnands, R., on behalf of a larger collaboration, 2014, ATel 6456  
*X-ray flare from the Galactic center detected by Swift*
- 2013 Kasliwal, M. M., **Degenaar, N.**, Polishook, D., 2013, ATel 5151  
*FIRE Classification of iPTF13bvn*
- Kennea, J. A., Burrows, D. N., Cummings, J., Kouveliotou, C., **Degenaar, N.**, Reynolds, M. T., Miller, J. M., Wijnands, R., 2013, ATel 5124  
*Swift/BAT detection of a burst from SGR J1745–29*
- Reynolds, M. T., **Degenaar, N.**, Miller, J. M., Kennea, J., Wijnands, R., on behalf of a larger collaboration, 2013, ATel 5016  
*Continued Swift monitoring of the Galactic center flare*
- 2012 King, A. L., Miller, J. M., **Degenaar, N.**, Reynolds, M., Reis, R., Maitra, D., 2012, ATel 4295  
*New radio detection of MAXI J1910–057 in hard-state transition*
- Miller, J. M., Raymond, J., Kennea, J., Beardmore, A., Reynolds, M. T., Maitra, D., **Degenaar, N.**, Cackett, E. M., Fabian, A. C., Reynolds, C. S., 2012, ATel 4191  
*Chandra Spectroscopy of MAXI J1305–704*
- Kennea, J., Miller, J. M., Beardmore, A., **Degenaar, N.**, Reynolds, M. T., 2012, ATel 4071  
*MAXI J1305–704 may be an eclipsing source*
- Del Santo, M., Romano, P., Ferrigno, C., Sidoli, L., Mereghetti, S., Wijnands, R., Bozzo, E., Tarana, A., Nucita, A., **Degenaar, N.**, Kuulkers, E., 2012, ATel 4017  
*New INTEGRAL and Swift observations of the faint neutron-star X-ray transient SAX J1806.5–2215*
- 2011 Kaur, R., Wijnands, R., Heinke, C., **Degenaar, N.**, 2011, ATel 3926  
*New Swift/XRT observation shows faint X-ray transient SAX J1806.5–2215 remains active 1 year after outburst*
- Pooley, D., Homan, J., Altamirano, D., **Degenaar, N.**, Heinke, C.O., Lewin, W., Sivakoff, G.R., Wijnands, R., 2011, ATel 3743  
*Chandra Identification of the 2011 Transient in Terzan 5: Same as the 2000 Transient*
- Altamirano, D., **Degenaar, N.**, Heinke, C. O., Homan, J., Pooley, D., Sivakoff, G. R., Wijnands, R., 2011, ATel 3720  
*Swift and RXTE follow up observations of the transient currently active in the globular cluster Terzan 5*
- Altamirano, D., **Degenaar, N.**, Heinke, C. O., Homan, J., Pooley, D., Sivakoff, G. R., Wijnands, R., 2011, ATel 3714  
*New X-ray transient outburst in Terzan 5*
- Linares, M., Bozzo, E., Altamirano, D., **Degenaar, N.**, Wijnands, R., Soleri, P., Belloni, T., Di Salvo, T., D’Ai, A., Papitto, A., Riggio, A., Burderi, L., 2011, ATel 3661  
*Swift observations of the accreting millisecond pulsar IGR J17498–2921: from outburst to quiescence*
- Wijnands, R., Yang, Y. J., **Degenaar, N.**, Altamirano, D., Tudose, V., Heinke, C. O., 2011, ATel 3595  
*The transient IGR J17361–4441 in the globular cluster NGC 6388: an unusual very-faint transient X-ray binary or an outburst from an intermediate-mass black hole*

- Linares, M., Altamirano, D., Watts, A., Strohmayer, T., Chakrabarty, D., Patruno, A., van der Klis, M., Wijnands, R., Casella, P., Armas-Padilla, M., Cavecchi, Y., **Degenaar, N.**, Kalamkar, M., Kaur, R., Yang, Y., Rea, N., 2011, ATel 3568  
*RXTE detection of a thermonuclear burst from IGR J17498–2921: distance estimate and burst oscillations*
- Altamirano, D., Kalamkar, M., Yang, Y., **Degenaar, N.**, Wijnands, R., Casella, P., Linares, M., Rea, N., Watts, A., Patruno, A., Armas-Padilla, M., Cavecchi, Y., van der Klis, M., 2011, ATel 3334  
*Discovery of 1 Hz quasi-periodic oscillations in an RXTE observation of MAXI J1543–564*
- Kaur, R., Kotulla, R., **Degenaar, N.**, Wijnands, R., Kaplan, D., 2011, ATel 3268  
*Candidate near-infrared counterpart to the faint transient neutron star X-ray binary SAX J1806.5–2215*
- Altamirano, D., Linares, M., van der Klis, M., Wijnands, R., Kalamkar, M., Casella, P., Watts, A., Patruno, A., Armas Padilla, M., Cavecchi, Y., **Degenaar, N.**, Kaur, R., Yang, Y., Rea, N., 2011, ATel 3225  
*Discovery of 10 mHz quasi-periodic oscillations likely from IGR J17091–3624*
- Linares, M., Altamirano, D., Watts, A., van der Klis, M., Wijnands, R., Patruno, A., Armas Padilla, M., Cavecchi, Y., **Degenaar, N.**, Kalamkar, M., Kaur, R., Yang, Y., Casella, P., Rea, N., 2011, ATel 3217  
*SAX J1747.0–2853: ‘normal’ thermonuclear bursts resumed*
- Del Santo, M., Romano, P., Sidoli, L., Mereghetti, S., Ferrigno, C., **Degenaar, N.**, Wijnands, R., Kuulkers, E., Nucita, A., Savchenko, V., 2011, ATel 3210  
*First hard X-ray detection of the neutron star X-ray transient SAX J1806.5–2215 with INTEGRAL*
- Yang, Y. J., Wijnands, R., **Degenaar, N.**, Russell, D. M., Altamirano, D., Kalamkar, M., 2011, ATel 3201  
*Swift XRT/UVOT follow-up of the Black Hole Candidate MAXI J1659–152 during a low luminosity state*
- Altamirano, D., Kaur, R., **Degenaar, N.**, Wijnands, R., Yang, Y., Armas Padilla, M., Strohmayer, T., Markwardt, C., 2011, ATel 3193  
*Possible outburst in the neutron star LMXB SAX J1806.5–2215*
- 2010 Kaur, R., Casella, P., Linares, M., Altamirano, D., Patruno, A., Armas Padilla, M., Cavecchi, Y., **Degenaar, N.**, Russell, D., Kalamkar, M., van der Klis, M., Watts, A., Wijnands, R., Rea, N., 2010, ATel 3082  
*Discovery of a 0.19 Hz QPO in MAXI J1409–619*
- Russell, D. M., Yang, Y. J., **Degenaar, N.**, Wijnands, R., Patruno, A., Kaur, R., Armas Padilla, M., Lewis, F., Armstrong, J. D., 2010, ATel 2997  
*Monitoring of the likely optical counterpart of XTE J1728–295*
- Yang, Y. J., **Degenaar, N.**, Wijnands, R., Russell, D. M., Patruno, A., Kaur, R., Armas Padilla, M., 2010, ATel 2991  
*Swift/XRT follow-up of the X-ray transient XTE J1728–295 during its decaying phase*
- Linares M., Altamirano D., Watts A., van der Klis M., Wijnands R., Homan J., Casella P., Patruno A., Armas-Padilla M., Cavecchi Y., **Degenaar N.**, Kalamkar M., Kaur R., Yang Y., Rea N., 2010, ATel 2958  
*Discovery of mHz QPOs and burst rate evolution in the active Terzan 5 neutron star transient*
- Altamirano D., Homan J., Linares M., Patruno A., Yang Y., Watts A., Kalamkar M., Casella P., Armas-Padilla M., Cavecchi Y., **Degenaar N.**, Russell D., Kaur R., van der Klis M., Rea N., Wijnands R., 2010, ATel 2952  
*The transient neutron star LMXB in the globular cluster Terzan 5 has turned into a Z-source*
- Altamirano D., Watts A., Kalamkar M., Homan J., Yang Y., Casella P., Linares M., Patruno A., Armas-Padilla M., Cavecchi Y., **Degenaar, N.**, Kaur R., van der Klis M., Rea N., Wijnands R., 2010, ATel 2932  
*Discovery of 11 Hz burst oscillations from the 11 Hz Eclipsing Pulsar in Terzan 5*
- Russell D.M., Lewis F., Bersier D., Cano Z., Gandhi P. , Patruno A., Kalamkar M., Yang Y. J., Altamirano D., Casella P., Linares M., Armas Padilla M., Cavecchi Y., **Degenaar N.**, Kaur R., van der Klis M., Watts A., Wijnands R., Rea N., 2010, ATel 2884  
*Optical variability in MAXI J1659–152*
- Kalamkar M., Yang Y., Altamirano D., Casella P., Linares M., Patruno A., Armas-Padilla M., Cavecchi Y., **Degenaar N.**, Russell D., Kaur R., van der Klis M., Watts A., Wijnands R., Rea N., 2010, ATel 2881  
*MAXI J1659–152 is a black hole candidate*
- Russell, D. M., Yang, Y. J., Patruno, A., **Degenaar, N.**, Altamirano, D., Wijnands, R., Lewis, F., 2010, ATel 2827  
*Candidate optical counterparts of XTE J1728–295 = IGR J17285–2922*

- Yang, Y. J., Patruno, A., **Degenaar, N.**, Russell, D. M., Altamirano, D., Wijnands, R., 2010, ATel 2824  
*Swift/XRT follow-up and a refined position of the X-ray transient XTE J1728–295*
- Armas Padilla, M., **Degenaar, N.**, Kaur, R., Wijnands, R., Yang, Y., 2010, ATel 2738  
*XMMSL1 J171900.4–353217 returns to quiescence*
- Armas Padilla, M., Kaur, R., **Degenaar, N.**, Wijnands, R., Lewis, F., Russell, D. M., 2010, ATel 2722  
*Re-brightening of XMMSL1 J171900.4–353217*
- Armas Padilla, M., **Degenaar, N.**, Yang, Y., Patruno, A., Wijnands, R., 2010, ATel 2656  
*Decreased flux of the new X-ray source XMMSL1 J171900.4–353217 detected by Swift-XRT*
- Linares, M., Soleri, P., Altamirano, D., Armas-Padilla, M., Cavecchi, Y., **Degenaar, N.**, Kalamkar, M., Kaur, R., van der Klis, M., Patruno, A., Watts, A., Wijnands, R., Yang, Y., Casella, P., Rea, N., Chakrabarty, D., Homan, J., 2010, ATel 2651  
*Swift-XRT detects X-ray burst from Circinus X-1*
- Linares, M., Soleri, P., Watts, A., Altamirano, D., Armas-Padilla, M., Cavecchi, Y., **Degenaar, N.**, Kalamkar, M., Kaur, R., van der Klis, M., Patruno, A., Wijnands, R., Yang, Y., Casella, P., Rea, N., 2010, ATel 2643  
*RXTE detects X-ray bursts from Circinus X-1*
- Yang, Y. J., Russell, D. M., Wijnands, R., van der Klis, M., Altamirano, D., Patruno, A., Watts, A., Armas Padilla, M., Cavecchi, Y., **Degenaar, N.**, Kalamkar, M., Kaur, R., Linares, M., Casella, P., Rea, N., Soleri, P., Lewis, F., Kong, A. K. H., 2010, ATel 2579  
*Swift J1749.4–2807: X-ray decay, refined position and optical observation*
- Altamirano, D., Wijnands, R., van der Klis, M., Patruno, A., Watts, A., Armas Padilla, M., Cavecchi, Y., **Degenaar, N.**, Kalamkar, M., Kaur, R., Yang, Y. J., Casella, P., Linares, M., Soleri, P., Rea, N., 2010, ATel 2565  
*Detection of coherent millisecond pulsations at  $\sim 518$  Hz in the LMXB Swift J1749.4–2807 (GRB 060602B)*
- Altamirano, D., Patruno, A., Watts, A., Armas Padilla, M., Cavecchi, Y., **Degenaar, N.**, Kalamkar, M., Kaur, R., Soleri, P., Yang, Y. J., van der Klis, M., Wijnands, R., Casella, P., Linares, M., Rea, N., 2010, ATel 2426  
*Discovery of kilohertz QPOs in RXTE observations of SAX J1748.9–2021*
- Patruno, A., Altamirano, D., Watts, A., Armas Padilla, M., Cavecchi, Y., **Degenaar, N.**, Kalamkar, M., Kaur, R., Soleri, P., Yang, Y. J., van der Klis, M., Wijnands, R., Casella, P., Linares, M., Rea, N., Heinke, C. O., Pooley, D., 2010, ATel 2407  
*Detection of pulsations and identification of SAX J1748.9–2021 as the X-ray transient in NGC 6440*
- 2009 Linares, M., Altamirano, D., **Degenaar, N.**, Wijnands, R., 2009, ATel 2264  
*4U 1608–52 is back to quiescence after its 2007–2009 outburst*
- Watts, A., Altamirano, D., Casella, P., Cavecchi, Y., **Degenaar, N.**, Linares, M., Patruno, A., Rea, N., Soleri, P., van der Klis, M., Wijnands, R., 2009, ATel 2004  
*Discovery of burst oscillations near the spin frequency in the intermittent accreting millisecond pulsar HETE J1900.1–2455*
- 2008 Linares, M., **Degenaar, N.**, Wijnands, R., Altamirano, D., 2008, ATel 1777  
*Swift detects increased activity of the neutron star transient SAX J1750.8–2900*
- Wijnands, R., Linares, M., **Degenaar, N.**, Markwardt, C. B., 2008, ATel 1700  
*Improved position of the new X-ray transient XTE J1637–498*
- Linares, M., **Degenaar, N.**, Altamirano, D., Wijnands, R., van der Klis, M., Markwardt, C., 2008, ATel 1662  
*SAX J1750.8–2900 is returning to quiescence*
- Altamirano, D., Galloway, D., Chenevez, J., in't Zand, J., Kuulkers, E., **Degenaar, N.**, Del Monte, E., Feroci, M., Costa, E., Evangelista, Y., Falanga, M., Markwardt, C., Wijnands, R., Van Der Klis, M., 2008, ATel 1651  
*Kilohertz QPOs, spectral state transitions and the distance to the neutron star X-ray transient IGR J17473–2721*
- Linares, M., Soleri, P., Curran, P., Wijnands, R., **Degenaar, N.**, van der Klis, M., Starling, R., Markwardt, C., 2008, ATel 1618  
*The cooling tail of a long X-ray burst from XTE J1701–407*
- Sidoli, L., Romano, P., Del Santo, M., Wijnands, R., **Degenaar, N.**, 2008, ATel 1496  
*Swift/XRT monitoring of the latest outburst from XMMU J174716.1–281048: the source is still active*

- Altamirano, D., **Degenaar, N.**, in't Zand, J., Markwardt, C., Wijnands, R., 2008, ATel 1459  
*Swift/XRT follow-up observations of IGR J17473–2721*
- 2007 Linares, M., **Degenaar, N.**, Wijnands, R., 2007, ATel 1260  
*The neutron star transient SAX J1810.8–2609 is going back to quiescence*
- Kennea, J. A., Campana, S., Wijnands, R., Burrows, D. N., Cackett, E., **Degenaar, N.**, Grupe, D., La Parola, V., Moretti, A., Pagani, C., Starling, R. L. C., Gehrels, N., 2007, ATel 1209  
*Swift/XRT detection of a possible 1.2 day period the faint persistent X-ray source AXJ1538.3–5541*
- Altamirano, D., Wijnands, R., **Degenaar, N.**, Casella, P., Homan, J., Belloni, T., Campana, S., 2007, ATel 1178  
*Following the neutron star transient XTE J1701–462 as it turns into quiescence*