

# Ingrid D. Pelisoli

---

Universität Potsdam  
Institut für Physik und Astronomie  
14476 Potsdam, Germany

Phone: +49-(0)331-9775918  
Email: [pelisoli@astro.physik.uni-potsdam.de](mailto:pelisoli@astro.physik.uni-potsdam.de)  
Homepage: <http://www.astro.physik.uni-potsdam.de/~pelisoli/>

## Education

Univ. Fed. do Rio Grande do Sul, Brazil  
Ph.D. Physics, with distinction, 2018  
Advisor: S. O. Kepler

Univ. Fed. do Rio Grande do Sul, Brazil  
M.Sc. Astrophysics, 2014  
Advisor: S. O. Kepler

Univ. Fed. do Rio Grande do Sul, Brazil  
B.S. Physics, 2012  
Summa Cum Laude

## Main Publications

Number of total publications: 36 publications (29 peer-reviewed, 6 first author), 1185 total citations, h-index of 14

### First author

**Pelisoli, I.**; Vos, J.; Geier, S. et al. *Alone but not lonely: Observational evidence that binary interaction is always required to form hot subdwarf stars*, 2020, accepted for publication in A&A

**Pelisoli, I.**; Vos, J., *Gaia Data Release 2 catalogue of extremely low-mass white dwarf candidates*, 2019, MNRAS, 488, 2992

**Pelisoli, I.**; Bell, K. J.; Kepler, S. O.; Koester D., *The sdA problem – III. New extremely low-mass white dwarfs and their precursors from Gaia astrometry*, 2019, MNRAS, 482, 3831

**Pelisoli, I.**; Kepler, S. O.; Koester D. et al., *The sdA problem – II. Photometric and spectroscopic follow-up*, 2018, MNRAS, 478, 867

**Pelisoli, I.**; Kepler, S. O.; Koester, D., *The sdA Problem – I. Physical Properties*, 2018, MNRAS, 475, 2480

**Pelisoli, I.**; Santos, M. G.; Kepler, S. O., *Unified line profiles for hydrogen perturbed by collisions with protons: satellites and asymmetries*, 2015, MNRAS, 448, 2332

### Second author

Kepler, S. O.; **Pelisoli, I.**; Koester, D. (+ 6 additional authors), *White dwarf and subdwarf stars in the Sloan Digital Sky Survey Data Release 14*, 2019, MNRAS, 486, 2169

Campos, F.; **Pelisoli, I.**; Kamann, S. et al. (+ 12 additional authors), *Outliers: multicolour photometry guiding the search for evolved binary systems in the globular cluster 47 Tucanae*, 2018, MNRAS, 481, 4397

Bell, K. J.; **Pelisoli, I.**; Kepler, S. O. et al. (+ 8 additional authors), *The McDonald Observatory search for pulsating sdA stars: asteroseismic support for multiple populations*, 2018, A&A, 617, A6

Kepler, S. O.; **Pelisoli, I.**; Jordan, S.; et al. (+ 10 additional authors), *Magnetic white dwarf stars in the Sloan Digital Sky Survey*, 2013, MNRAS, 429, 2934

### Other

Raddi, R.; Hollands, M. A.; Koester, D.; Hermes, J. J.; Gaensicke, B. T.; Heber, U.; Shen, K. J.; Townsley, D. M.; Pala, A. F.; Reding, J. S.; Toloza, O. F.; **Pelisoli, I.** et al. (+ 4 additional authors), *A class of partly burnt runaway stellar remnants from peculiar thermonuclear supernovae*, 2019, MNRAS, 489, 1489

Hosseinzadeh, G.; Cowperthwaite, P. S.; Gomez, S.; Villar, V. A.; Nicholl, M.; Margutti, R.; Berger, E.; Chornock, R.; Paterson, K.; Fong, W.; Short, P.; Alexander, K. D.; Blanchard, P. K.; Braga, J.; Cartier, R.; Coppejans, D. L.; Eftekhari, T.; Laskar, T.; Patton, L.; **Pelisoli, I.** et al. (+ 3 additional authors), *Follow-up of the Neutron Star Bearing Gravitational Wave Candidate Events S190425z and S190426c with MMT and SOAR*, 2019, ApJL, 880, 4

Nicholl, M., Berger E.; Kasen, D.; Metzger, B. D.; Elias, J.; Briceño, C.; Alexander, K. D.; Blanchard, P. K.; Chornock, R.; Cowperthwaite, P. S.; Eftekhari, T.; Fong, W.; Margutti, R.; Villar, V. A.; Williams, P. K. G.; Brown, W.; Annis, J.; Bahramian, A.; Brout, D.; Brown, D. A.; Chen, H.-Y.; Clemens, J. C.; Dennihy, E.; Dunlap, B.; Holz, D. E.; Marchesini, E.; Massaro, F.; Moskowit, N.; **Pelisoli, I.**; et al. (+ 5 additional authors), *The Electromagnetic Counterpart of the*

*Binary Neutron Star Merger LIGO/Virgo GW170817. III. Optical and UV Spectra of a Blue Kilonova from Fast Polar Ejecta*, 2017, *ApJL*, 848, L18

Kleinman, S. J.; Kepler, S. O.; Koester, D.; **Pelisoli, I.**; et al. (+ 12 additional authors), *SDSS DR7 White Dwarf Catalog*, 2013, *ApJS*, 204, 5

## Telescope time

Total observing time obtained as Principal Investigator:

- 330.5 h at 4-m class telescopes (SOAR)
- 111.2 h at 8-m class telescopes (Gemini, VLT)

Over 150 nights obtained as co-I (GTC, VLT, WHT, Gemini, SOAR, Mercator, TNG, Irene du Point, INT)

Over 60 nights of observing experience (SOAR, INT)

## Grants & Awards

Honorable mention in the CAPES Best Thesis Award, Brazilian Ministry of Education, 2019

Best Thesis, Brazilian Astronomical Society, 2019

Gemini Science Fellowship, 2018 (*declined*)

Scholarship to act as Visiting Academic at the University of Warwick (CAPES/Brazil, grant 88881.134990/2016-01)

## Main Presentations

"Photometric variability of binary hot subdwarf stars: from the ground to TESS", 9th Meeting on Hot Subdwarfs and Related Objects, Hendaye, 2019

"The sdA puzzle: solved?", 21th European White Dwarf Workshop, UT Austin, 2018

"Unified line profiles for hydrogen perturbed by collisions with protons: satellites and asymmetries", 12th International Colloquium on Atomic Spectra and Oscillator Strengths for Astrophysical and Laboratory Plasmas, Univ. de São Paulo, 2016

## Positions held

Postdoctoral Researcher, University of Potsdam, Germany, 2018-present

Visiting Academic, University of Warwick, UK, 2017

Temporary Assistant Professor, Univ. Fed. do Rio Grande do Sul, Brazil, 2015

## Services

*Quality Control Scientist*

4MOST collaboration, 2019-present

*Referee*

*Astronomische Nachrichten*, 2020

*MNRAS*, 2015, 2018-present

*Astrophysical Journal*, 2019-present

*Nature Astronomy*, 2019-present

*Graduate Student Representative*

UFRGS, 2014-2016

*Undergraduate Student Representative*

UFRGS, 2011-2012

## Public Outreach

Astropontos founder and regular author, 2017-present

Astrobites regular author, 2015-2018

## References

**Prof. Stephan Geier**, Universität Potsdam, Germany

sgeier@astro.physik.uni-potsdam.de

**Prof. S. O. Kepler**, Universidade Federal do Rio Grande do Sul, Brazil

kepler@if.ufrgs.br

**Prof. Boris Gänsicke**, University of Warwick, UK

Boris.Gaensicke@warwick.ac.uk