

**Raphaël Errani**

[errani@unistra.fr](mailto:errani@unistra.fr)  
[rerrani.github.io](https://github.com/rerrani)

Observatoire Astronomique de Strasbourg  
 11 rue de l'Université  
 67000 Strasbourg  
 France

**Positions**

2020 - present      Postdoc, Strasbourg Observatory.  
 2019 - 2020        Postdoc, University of Victoria.

**Education**

2015 - 2019        PhD, University of Edinburgh.  
 2013 - 2015        Laurea Magistrale (Astronomy), University of Padova.  
 2010 - 2013        Laurea (Physics), University of Padova.

**Fellowships**

2019 - 2020        Canada Institute for Theoretical Astrophysics national fellow.  
 2015 - 2019        Scottish University Physics Alliance prize studentship.  
 2011 - 2015        Studienstiftung (German Academic Scholarship Foundation).

**Publications**

2022                RE, J. F. Navarro, J. Peñarrubia, B. Famaey, R. Ibata: Dark matter halo cores and the tidal survival of Milky Way satellites, submitted to MNRAS, [arXiv:2210.01131](#).  
 2022                RE, J. F. Navarro, R. Ibata, N. Martin, et al.: C-19: Tidal debris of a dark matter-dominated globular cluster? MNRAS 514, 3532–3540 (2022), [arXiv:2203.02513](#).  
 2022                RE, J. F. Navarro, R. Ibata, J. Peñarrubia: Structure and kinematics of tidally limited satellite galaxies in LCDM, MNRAS 511, 6001-6018 (2022), [arXiv:2111.05866](#).  
 2021                RE, J. F. Navarro: The asymptotic tidal remnants of cold dark matter subhalos, MNRAS 505, 18-32 (2021), [arXiv:2011.07077](#).  
 2020                RE, J. Peñarrubia: Can tides disrupt cold dark matter subhaloes? MNRAS 491, 4591–4601 (2020), [arXiv:1906.01642](#).  
 2018                RE, J. Peñarrubia, M. Walker: Systematics in virial mass estimators for pressure supported systems. MNRAS 481, 5073–5090 (2018), [arXiv:1805.00484](#).  
 2017                RE, J. Peñarrubia, C.F.P. Laporte & F. Gómez: The effect of a disc on the population of cuspy and cored dark matter substructures in Milky Way-like galaxies. MNRAS 465, L59-L63 (2017), [arXiv:1608.01849](#).  
 2015                RE, J. Peñarrubia & G. Tormen: Constraining the distribution of dark matter in dwarf spheroidal galaxies with stellar tidal streams. MNRAS 449, L46-L50 (2015), [arXiv:1501.04968](#).

**Outreach**

2015 - present      Member of the judging panel for the German annual youth science competition Jugend forscht (lit. youth researches) on federal state level (Niedersachsen).