

## Curriculum Vitae for Kasper Elm Heintz

- Personal data:** Full name: Kasper Elm Heintz  
Date of birth: April 18, 1991  
Nationality: Danish  
Wife: Julie Elm Heintz  
Children: Oliver Elm Heintz (b. 2016) and Alfreð Elm Heintz (b. 2020)  
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Webpage: [keheintz.github.io](https://keheintz.github.io)  
Phone: + 45 2382 4056
- Position(s):** Postdoctoral researcher,  
Centre for Astrophysics and Cosmology,  
Science Institute, University of Iceland  
  
Instrument Scientist for the NOT Transient Explorer (NTE; [nte.nbi.ku.dk](http://nte.nbi.ku.dk))
- Education:** 2016 - 2019: PhD in astrophysics, University of Iceland, Iceland  
(supervisor: Páll Jakobsson)  
2014 - 2016: MA in astrophysics, University of Copenhagen, Denmark  
(supervisor: Johan P. U. Fynbo).  
2011 - 2014: BA in physics with specialization in astronomy, University of Copenhagen, Denmark (supervisor: Steen H. Hansen).  
2007 - 2010: High-school, Gladsaxe Gymnasium, Denmark.
- Interests:** Fast radio bursts, gamma-ray bursts, quasars, damped Lyman- $\alpha$  absorbers, kilonovae
- Publications:** My publication record include 43 refereed publications (12 as first author) currently listed in the Astronomical Data System (ADS). These include 4 papers in *Nature* and have a total number of citations of more than 2200. h-index (number of publications with more than h citations): 15
- Expertise:** Observing: I have so far observed 5 times with the Nordic Optical Telescope (NOT) and 1 time with the New Technology Telescope (NTT) at the ESO La Silla observatory. I have observed remotely several times, typically a few nights per month on duty for the various FRB, GRB or GW collaborations. This includes submitting triggers and observing with the NOT, VLT, Gemini, NTT, and the space-based *HST*.  
Data analysis: I have experience with UV/optical imaging and spectroscopic data reduction and analysis, in addition to ALMA observing preparation and data analysis. I am also co-developer of a spectroscopic reduction package (public available here: [github.com/keheintz/PyReduce](https://github.com/keheintz/PyReduce)).  
Programming languages: IDL, Python  
Webpages: I have created and am currently running the webpage <http://frbhosts.org>, providing an up-to-date compilation of all known FRB host galaxies and their basic properties. I have also contributed to <https://frb.software>.

**Collaborations:** - Hunting for the most exotic gamma-ray bursts with the VLT (STARGATE)  
- Electromagnetic counterparts of gravitational wave sources at the Very Large Telescope (ENGRAVE)  
- The extended Public ESO Spectroscopic Survey for Transient Objects (ePESSTO)  
- Fast and Fortunate for FRB Follow-up (F<sup>4</sup>)  
- The Commensal Real-time ASKAP Fast Transients Survey (CRAFT)  
- Real-time, Commensal Fast Transient Surveys with the Very Large Array (*realfast*)

**Teaching:** 2019: Introduction to physics, Teachers Assistant, University of Iceland  
2018: Spacetime physics, Teachers Assistant, University of Iceland  
2018: Introduction to physics, Teachers Assistant, University of Iceland  
2018: Co-supervisor on 3 first-year projects, University of Copenhagen  
2015: Observational astrophysics, Teachers Assistant, University of Copenhagen

**Outreach:** I enjoy and make an effort to speak to the general public as often as possible, typically 5 – 10 times a year. I have also featured in a few press releases related to the work done as part of my PhD project, most notably in the Icelandic news paper Vísir ([www.visir.is](http://www.visir.is)) and the University of Iceland press.