

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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- 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)
- 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- α absorbers,
kilonovae
- Publications:** My publication record include 48 refereed publications (14 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 2500.
h-index (number of publications with more than h citations): 16
- 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, Gem-
ini, 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).
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:** - Fast and Fortunate for FRB Follow-up (F⁴)
- The Commensal Real-time ASKAP Fast Transients Survey (CRAFT)
- Real-time, Commensal Fast Transient Surveys with the Very Large Array (*realfast*)
- 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)
- Teaching:** 2020: Literature study for the Master's degree in physics, Lecturer, University of Iceland
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
- Invited talks:** *Host galaxy properties and offset distributions of fast radio bursts: Implications for their progenitor*, CHIME/FRB journal club, 2020
- Other services:** Referee for *Astronomy and Astrophysics*.
- 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) and the University of Iceland press.