

# ANDOR BUDAI

## PHYSICIST

## CURRICULUM VITAE



### Place and date of birth:

- Békéscsaba, Hungary, 1990

### Citizenship:

- Hungarian

### Status:

- PhD student, Eötvös University (2017-present)

### Contacts:

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### Eötvös Loránd University

Department of Atomic Physics

Pázmány Péter sétány 1/A

Budapest, H-1117, Hungary

### Collaboration:

- MTA-ELTE Extragalactic Astrophysics Research Group (2019-present)

### Education:

- MSc in Astrophysics, Eötvös University (2015-2017)
- BSc in Physics, Eötvös University (2012-2015)
- High school, Széchenyi István Economic Technical College, Békéscsaba (2006-2009)
- High school, Kisfaludy Sándor High School, Sümeg (2004-2006)

### Conferences, schools:

- Gamma-Ray Bursts and Related Astrophysics in Multi-Messenger Era (2019)  
at Nanjing University, China
- PHAROS PhD Training School:  
Multi-messenger physics and astrophysics with compact binaries (2019)  
at Jena FSU, Germany

- ISAPP-Baikal Summer School:  
Exploring the Universe through multiple messengers (2018)  
at Bol'shie Koty, Russia
- UNSOLVED PROBLEMS in Astrophysics and Cosmology (2018)  
at Eötvös University, Hungary

### Publications:

- A Budai, P Raffai, B Borgulya, B A Dawes, G Szeifert, V Varga, A statistical method to detect non-stationarities of gamma-ray burst jets, Monthly Notices of the Royal Astronomical Society, Volume 491, Issue 1, January 2020, Pages 1391–1397, <https://doi.org/10.1093/mnras/stz3133>

### Teaching:

- Vector Calculus practical course (2018)
- Infrasound laboratory (2018, 2019)

### Languages:

- Hungarian (mother tongue)
- English (fluent)
- French (beginner)

### IT skills:

- Operating systems: Linux, Windows
- Programming: Python, Matlab, C, HTML, CSS, shell
- Word processing: LaTeX, LibreOffice, MS Office
- Other: Gimp, Inkscape, Scribus