Academic CV

Name: Szabolcs Kovács
E-mail: szabolcs.kovacs.uni@gmail.com
Phone: 06 30 598 9838

Studies:

2024-
   ELTE TTK Doctoral School of Physics,
   Particle and Nuclear Physics programme

   Research Proposal:
   Title: Connecting inflation and dark energy
                       with particle physics
   Advisor: Zoltán Trócsányi
   Certificate: -

2022-2024
   ELTE TTK Physics MSc, Research Physicist Specialization
   Particle Physics Module, Astrophysics Module

   MSc Thesis:
   Title: Inflation and dark energy from a
                       conformally coupled scalar field
   Advisor: Zoltán Trócsányi
   Certificate: With honours

2018-2022
   ELTE TTK Physics BSc, Physicist Specialization

   BSc Thesis:
   Title (Hu/En):   Sötétenergia modellek / Dark energy models
   Advisor: Zoltán Trócsányi
   Certificate: Excellent

Academic activity:

2025

National TDK

Title (Hu/En):   Kozmológiai infláció és sötétenergia egyetlen skalármező paramétereinek függvényében / Cosmological inflation and dark energy depending on a single scalar field's parameters

Advisor: Zoltán Trócsányi

Awards: 2nd place (Physics, Earth Sciences and Mathematics Section, Cosmology Division)

2023

Faculty TDK

Title (Hu/En):   Kozmológiai infláció és sötétenergia egyetlen skalármező paramétereinek függvényében / Cosmological inflation and dark energy depending on a single scalar field's parameters

Advisor: Zoltán Trócsányi

Awards: 2nd place (Quantum Systems and Theoretical Physics) Morgan Stanley Special Award

Extracurricular activity:

2021-2025

Dormitory Student Delegate

Description: Elected to represent the dormitory residents' needs towards the directorate

Relevant work: Administration of students' applications and habitational data in the University's electronic system (i.e. NEPTUN)

Other:

Language:

- English C1 certificate

Technical skills:

- Programming
  - Python: confident
  - Mathematica: intermediate
  - C: beginner
- Audiovisual editing:
  - Photo: confident
  - Video, Sound: beginner

Interests:

  - Curved spacetime QFT,
  - Alternative theories of Gravity,
  - Physics beyond the Standard Model