

Gábor Bíró

PhD Physicist. Research Fellow.

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Education

- 2015–2021 **Eötvös Loránd University**, Budapest
- Faculty of Natural Sciences, Doctoral School of Physics, Particle Physics and Astronomy Programme
 - Topic: Investigation of Particle Production and Hadronization in High-Energy Heavy-Ion Collisions
 - Absolutorium: August 2018
 - PhD defence: 30 April 2021 (Cum Laude)
- 2013–2015 **Eötvös Loránd University**, Budapest
- Faculty of Natural Sciences, MSc in Physics
- 2010–2013 **Eötvös Loránd University**, Budapest
- Faculty of Natural Sciences, BSc in Physics
- 2004–2010 **Vasvári Pál High School**, Székesfehérvár
- 2000–2010 **Csitári Emil Arts Workshop**, Székesfehérvár
- Advanced piano studies

Professional Experience

- 2026–
- CERN ALICE Computing Resource Board Deputy Coordinator
 - ECFA ERC Panel member
- 2013–
- (MTA) HUN-REN Wigner Research Centre for Physics**, Budapest
- Institute for Particle and Nuclear Physics, Department of Theoretical Physics, Heavy-Ion Physics Research Group
 - Administrator of the ALICE Budapest Tier-2 centre of the Worldwide LHC Grid and the ALICE Wigner Analysis Facility
 - **2021– : Research Fellow**
 - 2013–2021: Junior Research Fellow
- 2015–
- CERN ALICE Collaboration**
- 2015–2017: ALICE JIRA administrator

Teaching

Zsófia Jólesz – ELTE Faculty of Natural Sciences, MSc in Physics
Image reconstruction in proton computed tomography

- Courses (ELTE)
- Modern Computing Methods in Physics I–II (2021–2025, spring and autumn semesters)
 - Numerical Methods and Modelling in High-Energy Physics (spring 2020)
 - Information Tools for Research (autumn 2016–2017)
 - Computer Fundamentals (spring 2016)

Extended Research Visits

- 2016–2019 **Central China Normal University**, Wuhan, China: 6 visits, ~11 months in total
- 2014 **CERN Summer Student Programme**
- PH-SFT group, 3 months
 - Topic: Investigation of OpenCL support in the VecGeom geometry package

Awards & Grants

- 2025 **2025-1.1.5-NEMZ_KI-2025-00013** principal investigator
- 2024 **2021-4.1.2-NEMZ_KI-2024-00033** principal investigator
Györgyi Géza Award, HUN-REN Wigner RC, RMI
- 2022 **NKFIH 2022-1.2.3-GYAK** principal investigator
- 2019 **Best Poster Award**, HEPTECH AIME19 AI & ML, Budapest
- 2017 **New National Excellence Programme**, 10 months
- 2015 **Best Student of the Faculty**, ELTE Faculty of Natural Sciences
- 2014 **Scientific Students' Associations Conference (TDK)**, ELTE Faculty of Natural Sciences, 2nd place
CERN Summer Student Webfest, Particle Clicker, 1st place

Language Skills

Hungarian (native), English (B2), German (B2)

Talks & Seminars

50+ talks on international conferences, professional workshops and seminars.