



Erik Bartoš

Curriculum vitæ

Personal data

Born **20. january 1976**, Ružomberok, Slovak Republic.
Marital status **married**, 3 children.

Education

1999–2005 **PhD. of Physics**, Department of Theoretical Physics and Didactics of Physics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava.
1994–1999 **M.Sc. of Theoretical Physics**, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava.
1990–1994 **Graduation**, High School (Gymnázium Š. Moyzesa), Ružomberok.

Diploma thesis

Title *Electromagnetic form factors of $1/2^+$ octet baryons.*
Supervisor RNDr. S. Dubnička, DrSc.
Defended 2. June 1999.

Doctoral thesis

Title *QED calibration processes at high energy colliders.*
Supervisor prof. RNDr. A.–Z. Dubničková, DrSc.
Defended 13. September 2005.

Employment history

2010– **Researcher**, IP SAS, Bratislava.
Researcher at Institute of Physics, Slovak Academy of Sciences, investigation of theoretical problems from phenomenology of particle physics.
2006–2009 **Postdoc**, IP SAS, Bratislava.
Postdoc at Institute of Physics, Slovak Academy of Sciences, Schwartz's Fund.
1999–2005 **PhD. student**, DTPDP FMPI UC, Bratislava.
PhD. student at Department of Theoretical Physics and Didactics of Physics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava.

Československých tankistov 67, 841 06 Bratislava

☎ +421 0904 250 279 • ✉ erik.bartos@gmail.com • 🌐 mezek.github.io

1/2

Working stages

- 6 months 2010 CERN, Geneva, Switzerland.
- 6 months 2009 CERN, Geneva, Switzerland.
- 2 weeks 2002 Colaboration HERMES, DESY, Hamburg, Germany.
- 2001 – 2004 BLTF, JINR, Dubna, Russia.
- 3 months 2000 BLTF, JINR, Dubna, Russia.

Speaking skills

- Slovak native language
- English understanding – C1, speaking – B2, writing – B2
- Russian understanding – C1, speaking – B2, writing – B1

Professional qualification

- Physics knowledge Quantum electrodynamics, Quantum field theory, Standard model.
- Area of interest Phenomenology of particle physics, problematics of anomaly magnetic moment of leptons, electromagnetic form factors of elementary particles, heavy ion collisions of heavy ions, leptons and photons.

Computer skills

- Scientific software L^AT_EX, Form, Mathematica, ROOT advanced
- Programming languages Fortran, C/C++, JAVA, Python advanced
- WWW technologies CMS Typo3, Javascript, HTML, CSS, AngularJS advanced

Awards

- 2. place 2004 Competition of scientific works of young physicists organized by the Slovak Physical Society.
- 3. place 2006 Competition of scientific works of young physicists organized by the Slovak Physical Society.

Personal interests

- Web Typography, web design, some pages:
mezek.github.io/Bst_generator/generator.html
fu.sav.sk/index.php
- Mountains cycling, hiking.
- Literature science fiction, detective stories, historical novels.