

Curriculum Vitae

Personal

- **Family name:** Szőr
- **First name:** Zoltán
- **Birth date and place:** 3rd June 1990, Miskolc
- **Citizenship:** Hungarian
- **E-mail:** zlt.n.szor@gmail.com
- **Current status:** Ph.D. student at University of Debrecen

Studies

- Ph.D. in physics – 2014 -
University of Debrecen, PhD School in Physics, Debrecen
Thesis: *Calculation of radiative corrections in perturbative QCD*
Supervisor: prof. Zoltán Trócsányi
- Physics Masters – 2012 - 2014, with honors
University of Debrecen, Debrecen
Thesis: *Three hadron jets production in electron-positron annihilation*
Supervisor: prof. Zoltán Trócsányi
- Physics Bachelor – 2009 - 2012
University of Debrecen, Debrecen
Thesis: *Calculation of hadron jet cross sections at high accuracy*
Supervisor: prof. Zoltán Trócsányi

Research interest

- Particle physics phenomenology
- Calculating radiative corrections in perturbative QCD

Languages

- English B2 type language exam
- German B2 type language exam

Publications

- G. Somogyi, Z. Szőr, Z. Trócsányi: *Computation of integrated subtraction terms numerically*
in *The SM and NLO Multileg and SM MC Working Groups: Summary Report*
FERMILAB-PUB-12-885-CD, arXiv:1203.6803 [hep-ph]

Talks and conferences

- XXXII. National Conference of Scientific Students' Associations, 15-18. April 2015., Cluj-Napoca, Universitatea Babeș-Bolyai
Talk: *Calculation of hadron jet cross sections at high accuracy*, first prize with special honor
- International Conference of Physics Students, 10-17. August 2014., Heidelberg, Germany
Poster: *A quick introduction into perturbative Quantum ChromoDynamics*
- Local Conference of Scientific Students' Associations, 16. May 2014., University of Debrecen
Talk: *Calculation of hadron jet cross sections at high accuracy*
- Hatvani István Student Conference: Spring Edition, 02. May 2014., University of Debrecen
Talk: *Calculation of hadron jet cross sections - quantum chromodynamics for everyone*
- International Conference of Physics Students, 15-21. August 2013., Edinburgh, Scotland
Poster: *Approximation method of hadron jet cross sections at high accuracy*
- Hatvani István Student Conference: Spring Edition, 02. May 2013., University of Debrecen
Talk: *Calculation of hadron jet cross sections at high accuracy*
- Complexity from quantum systems to emergent behavior – Workshop, 12. December 2012., University of Debrecen
Talk: *Approximation of hadron jet cross sections at high accuracy*
- Hatvani István Student Conference: Spring Edition, 03. May 2012., University of Debrecen
Talk: *Calculation of hadron jet cross sections at high accuracy*
- Hatvani István Student Conference: Spring Edition, 21. April 2011., University of Debrecen
Talk: *Calculation of hadron jet cross sections at high accuracy*

Teaching

- 2014/2015/2 semester: Foundations of physics (mechanics), exercises
- 2013/2014/1 semester: Programming 1., exercises
- 2012/2013/1 semester: Mathematics 1., exercises
- 2011/2012/2 semester: Mathematics 2., exercises
- 2011/2012/1 semester: Mathematics 1., exercises

Scholarships

- Eötvös Loránd Student Scholarship, 01. February 2013. - 01. January 2014.
- Scholarship of the Republic of Hungary, 2012/2013/1-2 semesters
- Member of the Hatvani István Student College and DETEP between 2010 - 2014