

## Curriculum Vitea



### Personal data

Name / first name **Trócsányi Zoltán**  
rank **professor of physics**  
Affiliation ELTE Faculty of Sciences  
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citizenship Hungarian  
date of birth 11 August 1961

married, father of four adult children

### Education

1993, summer school, Erice, Sicily  
1991, winter school, Schladming, Austria  
1990, Theoretical Advanced Study Institute, Boulder, CO  
1987-90, Ph.D: mathematical physics, Virginia Polytechnic Institute and State Univ., Blacksburg, VA  
1980-85, MSc in Physics, Kossuth Lajos University, Debrecen, Hungary

### Professional experience

44 years of research at universities/research intitutes, university lecturing

1998-2001 associate professor at University of Debrecen  
2001-2018 professor of physics at University of Debrecen  
2018- professor of physics at ELTE Eötvös Loránd University

### degrees

member of the Hungarian Academy of Sciences, 2013  
corresponding member of the Hungarian Academy of Sciences, 2007  
Habilitation, 1998, Kossuth Lajos University  
number: 4/1998.hab  
Ph.D. in physics, 1990, Virginai Polytechnic Institute and State University

### research grants (only PI)

OTKA K-125105: Theoretical tools for present and future colliders, 2017-2022, 24.974.000 Ft, evaluation: excellent  
MTA-DE Particle Physics Research Group, 120.500.000 Ft  
OTKA K-101482: Phenomenology of LHC events, 2012-2016, 20.349.000 Ft, evaluation: excellent  
MTA-DE Particle Physics Research Group, 2011-2016, 125.000.000 Ft  
LHCPhenonet Initial aTraining Network: Advanced Particle Phenomenology in the LHC era, ~90.000.000 Ft, 2011-2015, leader of the Hungarian node  
OTKA K-64032: Precision Monte Carlo tools for collider experiments, 2006-2010, 8.797.000 Ft, evaluation: excellent

<b>research grants</b> (cont.)	<p>OTKA H07-C : Search for new physics with the CMS detector, 20.682.000 Ft, 2008-2009, evaluation: excellent</p> <p>OTKA K-38240: Study of strong interaction dynamics at energies of colliders in the XXI. Century, 2002-2005, 9.056.000 Ft evaluation: excellent</p> <p>before 2002: PI of two OTKA grants, and leader of the Hungarian node in two EU networks.</p>
<b>Teaching experience</b>	<p>Fundamentals of Physics I. (Mechanics), II. (Thermodynamics), III. (Electromagnetism), IV. (Atomic- and quantum physics),  Astroparticle physics  Fundamental Interactions  Quantum Mechanics  Quantum Field Theory I, II.  Standard Model  Quantum Chromodynamics  5 prize winning student research projects  12 BSc and MSc degree student research project  14 PhD student supervision  9 university lecture notes, 3 university textbooks</p>
<b>Study trips</b>	<p>2017-2018 CERN, Theory Division – scientific associate  2010 CERN, Theory Division – scientific associate  2007 Univesitat Zürich, Institut für Theoretische Physik – visiting professor  1999-2000 CERN, Theory Division – scientific associate  1991-1993 Eidgenössische Technische Hochschule, Institut für Theoretische Physik – postdoc  1987-1990 Virginia Polytechnic Institute and State University, Center of Mathematical Physics – PhD student</p>
<b>Research metrics</b>	<p>Publications in inspirehep.net:  <a href="http://inspirehep.net/search?ln=en&amp;ln=en&amp;p=a+trocsanyi&amp;of=hcs&amp;action_search=Search&amp;sf=earliestdate&amp;so=d&amp;rm=&amp;rg=25&amp;sc=0">http://inspirehep.net/search?ln=en&amp;ln=en&amp;p=a+trocsanyi&amp;of=hcs&amp;action_search=Search&amp;sf=earliestdate&amp;so=d&amp;rm=&amp;rg=25&amp;sc=0</a>  H-index: 135, citations: more than 100 000</p>
<b>Committees</b> (selected list) (only international)	<p>2000- member of the Hungarian CERN Committee  2000-2003, 2007- member of the European Committee for Future Accelerators tagja  2000-2007 member of the Advisory Committee for CERN Users tagja  2001 member of the local organizing committee of EPSHEP 2001  2003 member of the QCD section committee of EPSHEP2003  2008 chairman of local organazing committe of CTEQ-MCnet school  2011-2018 member of the High Energy Particle Physics Board of EPS  2011 member of the international organizing committee of EPSHEP 2011  2013 member of the international organizing committee of EPSHEP 2013  2014 chairman of local organazing committe of NNLO Ante Portas summer school  2015 member of the international organizing committee of EPSHEP 2015  2017 member of the international organizing committee of EPSHEP 2017  2017 chairman of local organazing committe of QCD@LHC 2017  2023 member of the international advisory board of MTTD 2023</p>
<b>Prizes</b>	<p>OTDK 1st prize 1985  Cunningham prize 1990  Physics prize of HAS 2001  Academy prize of HAS 2003  Marx György prize of ELFT 2007  Hatvani István prize of Debrecen city 2015  Pro Scientia prize of Debrecen section of HAS 2017  Tankó Béla prize of University of Debrecen 2017  Príma prize of Hajdú-Bihar county 2018  Marx György prize of ELFT 2019</p>
<b>Languages</b>	<p>Hungarian, English</p>

**Research fields:** theoretical and experimental research related in particle physics

Trocsanyi Zoltan