

CURRICULUM VITAE

RNDr. Ján Nemčík, CSc.

Born:

Affiliations: Department of Physics
Faculty of Nuclear Science and Physics Engineering
Czech Technical University in Prague
and
Department of Theoretical Physics
Institute of Experimental Physics SAS
Košice

Address: Břehová 7, 11519 Praha 1, Czech Republic

Email: jan.nemcik@fjfi.cvut.cz

Research interests

nuclear shadowing in DIS
leading twist gluon shadowing contribution to nuclear suppression
hadronization in nuclear medium
propagation of partons in nuclear matter
nuclear broadening in inclusive hadron production off nuclei
nuclear suppression of hadrons in heavy-ion collisions
nuclear suppression at large Feynman x
production of heavy flavored hadrons in interactions off nuclei
Cronin effect in hadron-nucleus interactions
diffractive electroproduction of vector mesons
color transparency and coherence length effects

Education

1981-1986 Faculty of Mathematics and Physics
Charles University, Prague

Obtained academic and scientific degrees

RNDr.	1986	Charles University, Prague, Czech Republic
CSc.	1993	Joint Institute for Nuclear Research Dubna, Moscow Region, Russia
Scientific promotion	1998	Institute of Experimental Physics, Košice, Slovakia

Professional career

- 2007 – Department of Physics, PNSPE,
Czech Technical University in Prague
scientific researcher in physical fields
- 1998 – Department of Theoretical Physics
Institute of Experimental Physics SAS, Košice, Slovakia
senior and leading scientific researcher
- 2011 – 2017 Department of Theoretical Physics
Institute of Experimental Physics SAS, Košice, Slovakia
Head of Department of Theoretical Physics
- 1986 – 1997 Department of Nuclear Physics
Institute of Experimental Physics SAS, Košice, Slovakia
scientific researcher

Periods of study and research abroad

- one month per year Universidad Technica Federico Santa Maria
2008 – 2018 Valparaiso, Chile
scientific collaboration
- one month per year Max Planck Institute (MPI) fur Kernphysik
1997 – 2007 Heidelberg, Germany
scientific collaboration
- 1994 – 1996 INFN, Dipartimento di Fisica Teorica
Universita di Torino, Italy
postdoctoral fellowship
- two months in 1994 (IKP) Institute fur Kernphysik (Theorie)
KFA Julich, Germany
scientific collaboration

Supervising od students

- 3 defended Bachelor Thesis
- 2 defended Diploma Thesis
- 2 defended PhD. Thesis

Professional activity

- about 40 scientific and 20 proceedings papers including 4 review articles.
- more than 1000 citations (ISI/Scopus)
- H index: 15
- more than 30 presentations in international conferences
- Principal Investigator in 3 finished scientific projects
- Principal Investigator in 1 running scientific project
- Participant to at least 5 other scientific projects

Awards

- 2015: the best scientific result within international collaboration awarded by the Institute of Experimental Physics in Košice.
- 2014: the rector award for outstanding scientific results achieved in Czech Technical University in Prague
- 2012: the best scientific result within international collaboration awarded by the Institute of Experimental Physics in Košice.

Teaching activity

- taught courses: Applied quantum chromodynamics at high energies - for master studies
- taught courses: Applied quantum chromodynamics at high energies - for doctoral studies