

Curriculum Vitae

Personal information:

Name, title: **FILIP Peter , PhD.**

E-mail: Peter.Filip@savba.sk

Nationality: Slovak

Date and place of birth: 19.04.1969 , Bratislava

Sex: Male

Area of research: **relativistic interactions of nuclei, computer simulations of nucleus-nucleus collisions, deformation of nuclei, influence of ultra-large magnetic fields**

Experience:

Since – until: September 1992 – present: Department of Theoretical Physics, Institute of Physics,
(*position*) Slovak Academy of Sciences , Bratislava, Slovakia
(*research worker, cat. IIa*)

August 2004 – present: member of STAR collaboration, Brookhaven National Laboratory, USA,
within groups of NPI, Prague, Czech Republic and JINR, Dubna, Russia
(*detector operator , shift leader*)

January 2000 – August 2002 : Max-Planck Institut fur Physik, Munich, Germany
member of NA49 collaboration at CERN, Geneva, Switzerland
(*analysis of experimental data from Pb+Pb collisions*)

Current job position: research worker (theoretical and subnuclear physics) scientific

Other activities a responsibility: secretary of the Institute (June 2010 - January 2014)

Name and address of employer: Institute of Physics, Slovak Academy of Sciences, Dúbravská cesta 9, 845 11, Bratislava, Slovakia

Sector of economy/industry: Basic research

Education:

Since – until: 1992 - 1994: Pedagogical licence for teaching of physics, Comenius University, Bratislava
1992 - 1999: Postgradual studies, Comenius University, Bratislava, subnuclear physics, (PhD.)
1987 - 1992: University education, Comenius University, Bratislava, theoretical physics, (Mgr.)

Titles obtained: PhD. and Mgr.

Main abilities: theoretical scientific research, data analysis, controlling detector systems, pedagogical activity

Degree of education in the international classification: 6

Military service: none

Personal abilities:

Mother language **Slovak**

Other language abilities:

Self-assessment:

European classification^()*

Understanding		Speaking		Writing
Listening	Reading	Interactive dialogue	monologue	

English	C2	C2	C1	C1	C1
Russian	C2	C2	C1	C1	B2
Czech	C2	C2	C2	C2	C1

^(*) according to common european reference frame (CEF)

Social abilities understanding multicultural environments

Organizational abilities completed courses for Strategic and Project Management, Operations Management

Technical abilities controlling of complex detector systems,

Computer abilities Programming in C++, Fortran, Pascal, Assembler; Operating systems: Unix, Windows, OSX

Other abilities Sport activity: academic rowing, fitness, Music skills: playing classical music on guitar

Driving licence EU classification: B, BE, M, ML

Additional information single

Five selected publications:

1) P.Filip, R.Lednicky, H.Masui and N.Xu,
Physical Review C80, 054903 (2009),
"Initial eccentricity in deformed Au+Au and U+U collisions at $\sqrt{s}=200\text{GeV}$ at the BNL Relativistic Heavy Ion Collider"

2) P.Filip,
Physical Review C78, 034912 (2008),
"Corrections to correlators in Pt fluctuation measurements"

3) P.Filip,
Nuclear Physics B (Proc.Supl.) 245, (2013) p.251-254,
"Magnetic Polarizability of Mesons"

12) STAR Collaboration (including P.Filip),
Nature 473, 353–356 (19 May 2011)
"Observation of the antimatter helium-4 nucleus"

5) STAR Collaboration (including P.Filip),
Science 328 (2010) p.58,
"Observation of an Antimatter Hypernucleus"