
PERSONAL INFO

Full Name	Sergey Senkin	Citizenship	Russian Federation
Date of Birth	January 5, 1988	Marital Status	Single

CONTACTS

Present Address	CERN, Building 40, 1-B12, CH-1211, Genève 23, Switzerland
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EDUCATION

2010–present	PhD in Particle Physics , <i>University of Bristol (currently pursuing)</i> .
2004–2010	MSc/BSc in Applied Physics/Math , <i>Moscow Institute of Physics and Technology</i> .

EXPERIENCE

Research

Fall 2010–present	PhD Student , <i>University of Bristol, Particle Physics Group</i> , Bristol, UK. Top quark mass measurement at CMS in lepton+jets channel, $t\bar{t}$ +MET signature studies
Fall 2009–Summer 2010	Research Assistant , <i>Joint Institute for Nuclear Research, CMS group</i> , Dubna, Russia. CMS muon High-Level Trigger efficiency studies
Fall 2008–Spring 2009	Research Assistant , <i>Texas A&M University, Department of Physics and Astronomy</i> . Search for the lightest NMSSM Higgs boson ($h_1 \rightarrow a_1 a_1 \rightarrow 4\mu$)
Summer 2007	Intern Student , <i>Fermi National Accelerator Laboratory</i> , Batavia, IL, USA. Tevatron TBT data fitting using MAD-X

Vocational

Summer 2011–present	Trigger Developer/Shifter , <i>CERN, LHC, CMS detector</i> , Point 5, Cessy, France. Top Trigger developer; ECAL Endcaps High-Voltage System on-call expert
November 2008	CSC Shifter , <i>CERN, LHC, CMS detector</i> , Point 5, Cessy, France. Cathode Strip Chambers subsystem maintenance

Teaching

Spring 2011	Tutor , <i>University of Bristol, School of Physics</i> . Tutorials in Maths and Particle Physics for L1 and L3 students
Spring 2009	Teaching Assistant , <i>Texas A&M University, Department of Physics and Astronomy</i> . Tutorials and labs for freshman General Physics course
March 2005	Physics Grader , <i>National Physics Olympiad for high school students</i> .

LANGUAGES

English **Fluent**
Russian **Native**

TOEFL iBT score: 111 out of 120 (November 2009)

RECENT PUBLICATIONS

- April 2012 *Measurement of the mass difference between top and antitop quarks*,
with CMS Collaboration
arXiv:1204.2807, submitted to JHEP
- April 2010 *LHC discovery potential of the lightest NMSSM Higgs in $h_1 \rightarrow a_1 a_1 \rightarrow 4\mu$ channel*,
with Alexander Belyaev, Jim Pivarski, Alexei Safonov and Aysen Tatarinov
Phys. Rev. D 81, 075021 (2010)

COMPUTER SKILLS

OS	Linux/Unix, Mac OS X	programming	C/C++, python
scientific	CMSSW, Geant4, Mad-X, ROOT, Mathematica	typography	L ^A T _E X, OpenOffice
		job-related	GRID

HONOURS AND AWARDS

- 2010 University of Bristol Postgraduate Research Scholarship
- 2008 TAMU Department of Physics Fellowship
- 2004 Y.A.Gagarin award laureate in the nomination of "Study and scientific research"
Repeated winner of All-Russian Physics and Mathematics Olympiads (3rd level):
- 2004 1st Diploma in Physics and Mathematics
- 2003 2nd Diploma in Physics and 3rd in Mathematics

SCIENTIFIC INTERESTS

- Top physics, search for new phenomena
- Applied physics and mathematics
- Computer science

OTHER INTERESTS

- Guitar/piano, singing
- Travelling, alpine skiing, mountain biking, climbing

LAST UPDATED

May 1, 2012
<http://cern.ch/senkin/cv/>