University of Birmingham

Dr Evgueni Goudzovski MSc, PhD

Reader
Birmingham Fellow

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About

Dr Evgueni Goudzovski is reader in particle physics, Royal Society research fellow and Birmingham fellow. He is currently working on the NA62 experiment at CERN devoted to searches for phenomena beyond the Standard Model of particle physics with rare kaon decays. He has been physics analysis coordinator, data taking coordinator and working group convener of several major kaon experiments at CERN.

For more detailed information, please see Evgueni's **school web-page (http://epweb2.ph.bham.ac.uk/user/goudzovski)** .

Qualifications

- PhD in Particle Physics, Joint Institute for Nuclear Research (Dubna), 2006
- MSc in General and Applied Physics, Moscow Institute of Physics and Technology, 2002
- BSc in General and Applied Physics, Moscow Institute of Physics and Technology, 2000

Biography

Dr Goudzovski obtained his BSc degree in 2000 and MSc degree in 2002, working on antihyperon production at the Excharm experiment at IHEP Protvino. In 2002, he became a member of the NA48 collaboration at CERN, and has been involved into CERN kaon physics experimental programme since then. His PhD thesis (2006) was devoted to precision searches for direct CP violation in charged kaon decays.

In 2006-2008 he worked as a post-doctoral researcher at Scuola Normale Superiore and INFN in Pisa, Italy. He came to Birmingham in 2008 as a research fellow, joining the Birmingham NA62 research group.

After a brief period as a project associate at CERN in 2010, he returned to Birmingham as a Marie Curie research fellow in 2011, and was appointed Royal Society Research fellow and Birmingham fellow in 2012. He became the principal investigator on an ERC starting grant and reader in particle physics in 2014.

Teaching

Teaching Programmes

- Y2 lecture Course on neutrino physics
- Y4 and summer project supervision

Postgraduate supervision

Currently supervising PhD students working on the NA62 experiment at CERN.

Research

RESEARCH THEMES

- Kaon physics: precision tests of the Standard Model in rare processes, CP violation

RESEARCH ACTIVITY

- NA62 experiment at CERN
- NA48/2 experiment at CERN

Other activities

- Editorial board member, CERN NA62 experiment (2010-present)
- Physics analysis coordinator, CERN NA62 experiment (2006-present)
- Data taking coordinator, CERN NA48/2 experiment (2003-2004)

Publications

Dr Goudzovski is author of over 70 research papers on rare kaon decays, CP violation and experimental techniques, and has a citation h-index of 21 (as of July 2014). The **full list of publications (http://epweb2.ph.bham.ac.uk/user/goudzovski/publications.html)** is available.

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