

# OLGA EVDOKIMOV

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## EDUCATION

### **Ph.D. in Physical and Mathematical Sciences**

Joint Institute for Nuclear Research, Dubna, Russia, and Ivanovo State University, Ivanovo, Russia (1999)

Thesis: "*Alignment and Fast Algorithms of Data Treatment for  $4\pi$ -geometry Detectors.*"

### **M.S. in Physics**

Ivanovo State University, Ivanovo, Russia (1996)

M.S. Thesis: "*Problem of overlapping signals resolution in type RICH Cherenkov detectors*"

## EMPLOYMENT

### **Department of Physics, University of Illinois, Chicago, IL**

Professor (2015 - present)

### **Department of Physics, University of Illinois, Chicago, IL**

Associate Professor (2010 - 2015)

### **Department of Physics, University of Illinois, Chicago, IL**

Assistant Professor (2006 - 2010)

### **Department of Physics, University of Illinois, Chicago, IL**

Adjunct Assistant Professor (2005 -2006)

### **Department of Physics, Purdue University West Lafayette, IN**

Research Scientist (2002 - 2005)

### **Department of Physics, Purdue University West Lafayette, IN**

Post-Doctoral Research Associate, Department of Physics (1999 –2002)

### **Joint Institute for Nuclear Research Dubna, Russia**

Research Fellow, Laboratory of High Energy Physics (1996 – 1999)

### **Joint Institute for Nuclear Research Dubna, Russia**

Intern, Laboratory of Information Technologies (1994, 1995)

## ACTIVITIES

- Research: Over nine hundred publications in peer-reviewed journals, with 115 articles in Physical Review Letters (h<sub>hep</sub>-index: 135)
- The STAR Experiment at RHIC
  - Physics: Identified hadron measurements, flow, correlations, jet studies
  - EIC Yellow Report Physics Convener (2019-present)
  - STAR Collaboration Council Chair (2017-present)
  - STAR Talks Committee Chair (2013-2015)
  - Deputy Spokesperson (2008-2011)
  - Publication review committee member (16), chair (4)
- The CMS Experiment at the LHC
  - Physics: Jet structure studies, correlations, di-muons for jet flavor tagging
  - CMS Publication Board member for Heavy Ion Nuclear physics (2012-present)
  - CMS Analysis review committee member (10) and chair (5)

## SELECTED PUBLICATIONS

*Beam-Energy Dependence of Directed Flow of Lambda, Anti-Lambda,  $K^+$ ,  $K^-$ ,  $K_s^0$  and  $\phi$  Au+Au Collisions*; Phys. Rev. Lett. 120 (2018) 062301

*Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at 2.76 TeV*; JHEP 1611 (2016) 055

*Correlations between jets and charged particles in PbPb and pp collisions at 2.76 TeV*; JHEP 1602 (2016) 156

*Beam Energy Dependence of the Third Harmonic of Azimuthal Correlations in Au+Au Collisions at RHIC*; Phys. Rev. Lett. 116 (2016) 112302

*Experimental studies of di-jet survival and surface emission bias in Au+Au collisions via angular correlations with respect to back-to-back leading hadrons*; Phys. Rev. **C83** (2011) 061901

## PROFESSIONAL SERVICE

- Member, Nuclear Science Advisory Committee to the US Department of Energy and the National Science Foundation
- Chair, Local Organizing Committee for Quark Matter 2017 conference
- Member, International Advisory Committee for Quark Matter 2019, 2018, 2015, 2014, and 2012 conferences and for Hard Probes 2020 and 2016 conferences
- Reviewer for US Department of Energy, Japan Society for the Promotion of Science, Phys. Rev. Letters, Phys. Rev. C, Phys. Lett. B, and J. Phys. G: Nucl. Part. Phys.