

Oleksandr Kovalenko

Narodowe Centrum Badań Jądrowych, Hoża 6, Warszawa 00-681, Poland

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Education

National Centre For Nuclear Research

PHD IN PHYSICS

Supervisor: Supervisor: Prof. dr hab. Teodor Siemiarczuk, NCNR, Poland

Warsaw, Poland

Oct. 2014 - PRESENT

Taras Shevchenko National University of Kiev

M.SCI. IN PHYSICS

Thesis: “Elastic cross section for pp collisions at energies from ISR to LHC (analysis of the models and experimental data)”

Supervisor: Dr. Evgenii Martynov, Bogolyubov Institute for Theoretical Physics, Ukraine

Kiev, Ukraine

Sep. 2012 - Jul. 2014

Taras Shevchenko National University of Kiev

B.SCI. IN.S. IN PHYSICS

Thesis: “Description of the experimental data on total and differential cross section for pp and $p\bar{p}$ collisions”

Supervisor: Dr. Evgenii Martynov, Bogolyubov Institute for Theoretical Physics, Ukraine

Kiev, Ukraine

Sep. 2008 - Jul. 2012

Skills

Programming C/C++, python, bash, MATLAB, JAVA, Wolfram Mathematica
Scientific frameworks ROOT, pyROOT, numpy, scipy, GEANT4, MCNP
Languages English, Polish, Russian, Ukrainian, French (A2 level)

Experience

CERN

STUDENTSHIP IN SUMMER

Subject of practice: Analysis of high multiplicity events in ALICE experiment

Geneva, Switzerland

July. 2013 - Aug. 2014

Joint institute for nuclear research

APPLICATION OF GRID TECHNOLOGIES IN ALICE EXPERIMENT

Subject of practice: Introduction to the ALICE analysis framework

Dubna, Russia

Oct. 2012

Joint institute for nuclear research

INTRODUCTION TO NICA EXPERIMENT

Subject: Critical effects in QGP (phenomenological models and experimental tools)

Dubna, Russia

Sep. 2011 - Oct. 2011

Publications

- [1] The list of all publications with the ALICE collaboration can be found here.
- [2] “Can the ”standard” unitarized Regge models describe the TOTEM data?” A. Alkin, E. Martynov, O. Kovalenko, *Europhys. Lett.* **102** 31001 (2013)
- [3] “Impact analysis of TOTEM data at the LHC: black disk limit exceeded” A. Alkin, E. Martynov, O. Kovalenko, and S. M. Troshin *Phys. Rev. D* **89**, 091501(R) (2014)