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Russia's Yandex School of Data Analysis To Work On Hadron Collider With CERN

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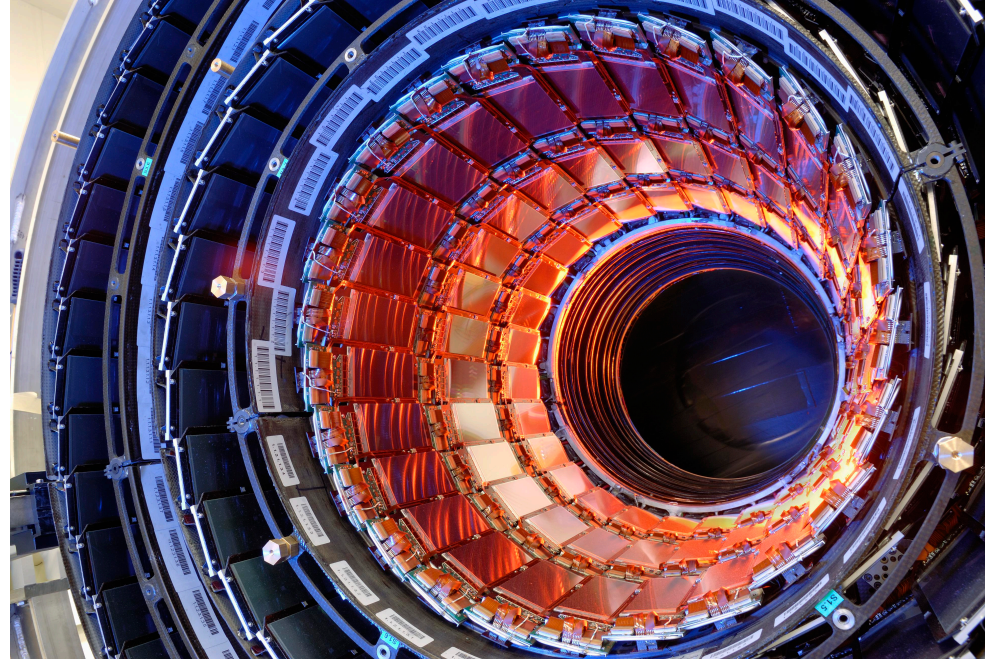
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Yandex School of Data Analysis teams up with CERN

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The Yandex School of Data Analysis (http://shad.yandex.ru/?ncrnd=8652) is to collaborate with the European Organization for Nuclear Research (http://home.web.cern.ch/) (CERN) on one of the main experiments at the Large Hadron Collider. Specialists from the School will help physicists working on the experiment to go through data from the Large Hadron Collider beauty (http://lhcb.web.cern.ch/lhcb/) (LHCb) project.

The experiment is investigating the asymmetry of particle and antiparticle decay, through the observation of b-mesons. Finding out the reasons behind this phenomenon will help to understand the workings of our universe.

The research is at the juncture of physics and computer science, with the Yandex School the first organisation to participate that does not specialise in particle physics. They will use search technology and statistical methods to process the experimental data and find patterns which would otherwise be unidentifiable.

Over 60 scientific organisations from around the world are participating in the project, including the Kurchatov Institute, Moscow State University, MIT, and the University of Oxford.

Yandex first provided CERN with computing resources back in 2011, before expanding its involvement in January 2013 as part of the CERN openlab project, when the company shared its MatrixNet technology with physicists working at the Centre.

Source: RusBase.vc (http://rusbase.vc/news/yandex-cern/)

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The School of Data Analysis

The School of Data Analysis (http://shad.yandex.ru/?ncrnd=8652) is a free Master's-level program in Computer Science and Data Analysis, which is offered by Yandex since 2007 to graduates in Engineering, Mathematics, Computer Science or related fields. The aim of the School is to train specialists in data analysis and information retrieval for further employment at Yandex or any other IT company.

The School's courses are taught by Russian and international experts at Yandex's Moscow office in the evenings, several times a week. The School also runs distance-learning courses and provides lectures over the internet.

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