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"Yandex" will search for the asymmetry of matter at the Large Hadron Collider

The School for Data Analysis (SHAD) of Yandex was included in the LHCb collaboration, which is engaged in experiments at CERN (CERN - European Council for Nuclear Research). This is reported in a press release, received by the editorial office of "Lentee.ru".

The LHCb collaboration studies the interactions of b-quarks. This is necessary to understand the observed asymmetry between matter and antimatter in the universe. It is expected that the Shad in the collaboration will conduct research at the intersection of physics and computer science using the example of b-mesons.

It is reported that Yandex has the necessary physicists search technology and statistical methods required to process the results of the experiment. Shad became the first in the collaboration

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party, not specializing in elementary particle physics.

Participation in LHCb entitles the school's researchers to publish articles in collaboration with collaborators, and also provides access to its data prior to official releases about the results of the experiments.

With CERN, Yandex started its cooperation in 2011, providing its computing resources. Then the specialists of the Russian company developed a search system based on the experimental data, and in January 2013, SHAD formally joined the CERN openlab project, providing access to the Matrixnet machine learning technology.

LHCb includes more than 60 scientific organizations from around the world. Among them - SRC "Kurchatov Institute", Moscow State University named after Lomonosov, Massachusetts Institute of Technology and Oxford University. Collaboration is one of the core at CERN.

Shad has been working since 2007. Its tasks include training experts to analyze and extract data from the network. The school has trained more than 320 specialists.

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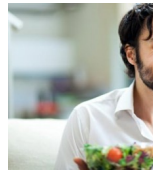
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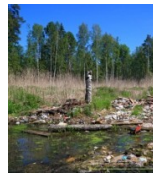
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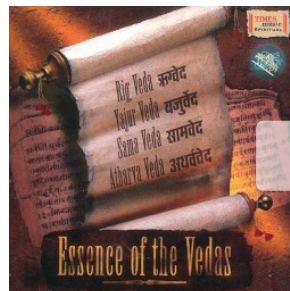


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