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Automation of (big) data processing for scientific research in heterogeneous distributed computing systems. Lessons of BigPanDA project

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Increasing the number of big scientific projects which requires the processing of enormous amount of data in the last decade encouraging the computing community to find new solutions for data processing. BigPanDA project established in 2013 was devoted to the research of the possibility to have common solutions which will allow transparent usage of distributed heterogeneous computing resources by a wide range of scientific communities.

In this talk overview of BigPanDA project and results of research and developments will be presented. A special point will be devoted to how achievements of BigPanDA project will be used for supporting of automation of data processing for the next generation of JINRs experiments.

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