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JINR GRID INFRASTRUCTURE STATUS AND PLANS

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The JINR grid infrastructure was created at the Meshcheryakov Laboratory of Information Technologies and successfully developed from year to year in accordance with the rapid development of information technologies, computing equipment and computing technologies, satisfying user needs. Thus, the participation of JINR scientists in the experiments at the Large Hadron Collider (LHC) at CERN entailed the creation of computing clusters at JINR, which are integrated into a distributed computing environment for processing and storing hundreds of petabytes of data obtained from the LHC experimental facilities. In this regard, the Tier1 center for the CMS experiment, which is one of the best in the world, and the Tier2 center, which is the best in Russia and serves all experiments at the LHC and other studies with JINR scientists'participation using grid technologies, should be particularly noted. At present, both of these centers serves the experiments at the NICA complex. The current state of the JINR grid infrastructure and its future development will be presented.

Summary

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