

The Concept of Russian Regional Centre for LHC Data Analysis

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Abstract

In Russia will be created the "Tier2 Cluster" facility. The target is that this facility will have computing power and utility to each LHC experiment at the summary level of few canonical Tier2 centres.

The architecture will be based on the institute's computing centers in coherent use by LHC users in Russia. The "Tier2 Cluster" will be partitioned by different LHC experiments within the institutional centers. From another side, the "Tier2 Cluster" facilities should be used coherently within the distributed model. The DataGrid technologies is planned for realization of this model. At the Phase 1 of the LHC computing environment building the target is to provide Russian participation in the Data Challenge runs and LHC GRID testbed.