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ARGO-YBJ experimental data transfer and processing : experience with the Computer Farm and evolution of the computing model to a GRID approach.

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The data taking of ARGO-YBJ experiment in Tibet is operational with 54 RPC clusters installed and is moving rapidly to more than 100 clusters configuration. The paper describes the processing of this phase experimental data , based on a local computer farm. The software developed for the data management, job submission and information retrieval is described together to the performance aspects. The evolution of the ARGO computing model using the possibility to transfer the experimental data via network and to integrate it in the GRID environment with the definition of an ARGO Virtual organization andword-wide resources is also presented.

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