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The architecture of DAQ system for the ARGO-YBJ experiment.

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Abstract content

The ARGO-YBJ experiment has now reached its final design configuration. The detector system consists of a full coverage array (about 5800 m2) of Resistive Plate Chambers (RPCs). At the nominal threshold the system must be able to sustain a maximum transfer rate of the order of 15 MB/s and an high peak data flow. Data are read out using a typical front-end acquisition chain built around a custom bus. Specialized electronics have been designed and efficient software has been written to perform this task. In this paper we described the architecture of the DAQ system of the ARGO-YBJ experiment and its performances.

If this papers is presented for a collaboration, please specify the collaboration

ARGO-YBJ collaboration

Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olivo, Gustavo Medina-Tanco, Lukas Nellen, Federico A. Sánchez, José F. Valdés-Galicia (eds.); Universidad Nacional Autónoma de México, Mexico City, Mexico, 2008; Vol. 5 (HE part 2), pages 1073-1076

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