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A GRID approach to ARGO-YBJ experiment data transfer and processing.

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Abstract content

Some aspects of the cosmic ray astronomy require the access and the processing of the data in the shortest possible time. We implemented a data files moving system , based on GRID tools and services, to automatically transfer the files from the high altitude ARGO-Yangbajing Laboratory in Tibet to the Storage Elements at the processing sites in IHEP-Beijing (China) and CNAF- Bologna (Italy). We describe also the GRID approach to an unified job submission and proccesing system and the mirroring of the ARGO data files catalogs. This new approach allows our communities to cooperate more efficiently in data analysis, in sharing the available resources, realizing at the same time the backup of the data.

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 1057-1060

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