

e-Science应用

西藏羊八井ARGO宇宙线实验

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摘要: 本文首先介绍西藏羊八井ARGO宇宙线实验的基本状况, 然后详细探讨了ARGO实验的网格计算模型, 包括数据传输与监控、作业管理、应用移植等。最后, 对网格的基本功能与网络连接状况进行测试, 并提出展望。

关键词:

Grid Computing of Yangbajing-ARGO Cosmic Ray Experiment

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Abstract: Yangbajing-ARGO experiment, located at Yangbajing, is to study cosmic rays, sub-TeV gamma ray sources and GeV Gamma Ray Burst. This paper describes the grid computing system implemented for the experiment. The grid consists of data transfer and monitor system, job management system. The grid computing system was deployed among the sites at Yangbajing, IHEP in Beijing and INFN in Italy. The tests and service challenges were carried out and shown in the paper.

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