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Production data export and archiving system for new data format of the BaBar experiment.

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For The BaBar Computing Group

BaBar has recently moved away from using Objectivity/DB for its event store towards a ROOT-based event store. Data in the new format is produced at about 20 institutions worldwide as well as at SLAC. Among new challenges are the organization of data export from remote institutions, archival at SLAC and making the data visible to users for analysis and import to their own institutions.

The new system is designed to be scalable, easily configurable on the client and server side and adaptive to server load. It's integrated to work with SLAC's mass storage system (HPSS) and with the xrootd service. Design, implementation and experience with new system, as well as future development is discussed in this article.

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