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## EventStore: Managing Event Versioning and Data Partitioning using Legacy Data Formats

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HEP analysis is an iterative process. It is critical that in each iteration the physicist's analysis job accesses the same information as previous iterations (unless explicitly told to do otherwise). This becomes problematic after the data has been reconstructed several times. In addition, when starting a new analysis, physicists normally want to use the most recent version of reconstruction. Such version control is useful for data managed by a single physicist using a laptop or small groups of physicists at a remote institution in addition to the collaboration wide managed data.

In this presentation we will discuss our implementation of the EventStore which uses a data location, indexing and versioning service to manage legacy data formats (e.g. an experiment's existing proprietary file format or Root files). A plug-in architecture is used to support adding additional file formats. The core of the system is used to implement three different sizes of services: personal, group and collaboration.

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