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Central Reconstruction System on the RHIC Linux Farm in Brookhaven Laboratory

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A description of a Condor-based, Grid-aware batch software system configured to function asynchronously with a mass storage system is presented. The software is currently used in a large Linux Farm (2700+ processors) at the RHIC and ATLAS Tier 1 Computing Facility at Brookhaven Lab. Design, scalability, reliability, features and support issues with a complex Condor-based batch system are addressed within the context of a Grid-like, distributed computing environment.

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