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Multi-threaded Event Reconstruction with JANA

Thursday, May 24, 2012 1:30 PM (4h 45m)

The JANA framework has been deployed and in use since 2007 for development of the GlueX experiment at Jefferson Lab. The multi-threaded reconstruction framework is routinely used on machines with up to 32 cores with excellent scaling. User feedback has also helped to develop JANA into a user-friendly environment for development of reconstruction code and event playback. The basic design of JANA will be presented along with results of scaling tests on many-core machines.

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