Performance of the AMS Offline Software on the IBM Blue Gene/Q Architecture

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- The AMS and other (ROOT, GEANT, CERNLIB) software was successfully ported to IBM Blue Gene/Q architecture.
- Massively parallel jobs, up to 2048 nodes and 131K threads successfully ran on JUQUEEN computer for wall clock of 24 hours, which it the maximum amount of time allowed by batch job scheduler.
- The AMS massive simulation data production is expected to start in the year 2017 to deliver up to 15% of AMS simulated data.