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Experience Supporting the Integration of LHC Experiments Computing Systems with the LCG Middleware

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The LHC Computing Grid Project (LCG) provides and operates the computing support and infrastructure for the LHC experiments. In the present phase, the experiments systems are being commissioned and the LCG Experiment Integration Support team provides support for the integration of the underlying grid middleware with the experiment specific components. The support activity during the experiments'data and service challenges provides valuable information on the infrastructure performance and deeper understanding of the whole system. Results from the major activities in 2005 are reviewed and a summary of the related activities is given, In addition the support of non High-Energy Physics communities (Biomed, GEANT4 and UNOSAT) is discussed.

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