



Contribution ID: 353

Type: poster

US CMS Tier-2 Computing

Monday, September 3, 2007 8:00 AM (20 minutes)

The CMS computing model relies heavily on the use of “Tier-2” computing centers. At LHC startup, the typical Tier-2 center will have 1 MSpecInt2K of CPU resources, 200 TB of disk for data storage, and a WAN connection of at least 1 Gbit/s. These centers will be the primary sites for the production of large-scale simulation samples and for the hosting of experiment data for user analysis – an interesting mix of experiment-controlled and user-controlled tasks. As a result, there are a wide range of services that must be deployed and commissioned at these centers, which are responsible for tasks such as dataset transfer, management of datasets, hosting of jobs submitted through Grid interfaces, and several varieties of monitoring. We discuss the development of the seven CMS Tier-2 computing centers in the United States, with a focus on recent operational performance and preparations for the start of data-taking at the end of 2007.

Submitted on behalf of Collaboration (ex, BaBar, ATLAS)

CMS

Primary author: BLOOM, Kenneth (University of Nebraska-Lincoln)

Presenter: BLOOM, Kenneth (University of Nebraska-Lincoln)

Session Classification: Poster 1

Track Classification: Computer facilities, production grids and networking