Contribution ID: **15** Type: **Parallel Talk**

Computing at Belle II

Tuesday, February 23, 2010 2:50 PM (25 minutes)

The Belle II experiment, a next-generation B factory experiment at KEK, is expected to record a two orders of magnitude larger data volume than its predecessor, the Belle experiment. The data size and rate are comparable to or more than the ones of LHC experiments and requires to change the computing model from the Belle way, where basically all computing resources were provided by KEK, to a more distributed scheme. While we adopt existing grid technologies for our baseline design, we also investigate the possibility of using cloud computing for peaking resource demands. An important task of the computing framework is to provide easy and transparent access to data and to facilitate the bookkeeping of processed files and failed jobs. To achieve this we set up a metadata catalog based on AMGA and plan to use it in a bookkeeping service that is based on concepts implemented in the SAM data handling system used at CDF and D0.
In this talk we summarize the expected Belle II performance and the resulting computing requirements and show the status and plans of the core components of the computing infrastructure.

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Session Classification: Tuesday, 23 February - Computing Technology for Physics Research

Track Classification: Computing Technology for Physics Research