



Contribution ID: 20

Type: **Parallel**

Computing at Belle II

Tuesday 22 May 2012 16:35 (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. The Belle II distributed computing system is based on DIRAC which provides an interface to grid and cloud resources, and AMGA for the management of file metadata. A common software framework is used in the whole chain from the data acquisition up to the analysis. It has a modular design, is steered via python files, and supports parallel execution on multi-core nodes.

In this talk the status and plans of the Belle II computing system and its main components are presented.

Primary authors: HARA, Takanori (KEK); KUHR, Thomas (KIT - Karlsruhe Institute of Technology (DE))

Presenter: KUHR, Thomas (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Distributed Processing and Analysis on Grids and Clouds

Track Classification: Distributed Processing and Analysis on Grids and Clouds (track 3)