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The DESY Grid Centre

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Conclusions

In the contribution we will present the conceptional
and operational aspects of our multi-VO and multi-community Grid centre
and present the system set-up. We will in particular focus on the
interplay of Grid and NAF and present experiences of the operations.

Overview

DESY is one of the world-wide leading centers for research with particle
accelerators and synchrotron light. DESY participates in LHC as a Tier-2
center, supports on-going analyzes of HERA data, is a leading partner for
ILC, and runs the National Analysis Facility (NAF) for LHC and ILC in the
framework of the Helmholtz Alliance, Physics at the Terascale. For the
research with synchrotron light major new facilities are operated and
built (FLASH, PETRA-III, and XFEL).

Impact

As the global structure of the Grid offers huge resources which are
perfect for batch-like computing, DESY has set up the National Analysis
Facility (NAF) which complements the Grid to allow German HEP users for
efficient data analysis. The Grid Infrastructure and the NAF are based on
and coupled via the data which is distributed via the Grid.

Description of the work

DESY operates a Grid infrastructure which supports
a number of virtual Organizations (VO), incl. ATLAS, CMS, and LHCb.
Furthermore, DESY is the home for some of HEP and non-HEP VOs, such as the
HERA experiments and ILC as well as astroparticle and photon science
communities.

URL

http://gridcenter.desy.de/

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