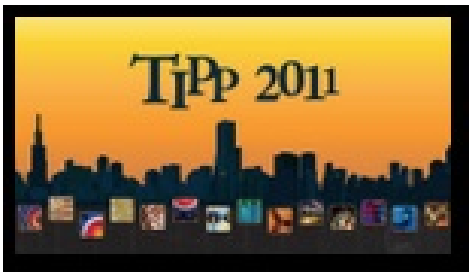

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CMS Web-Based Monitoring

Monday 13 June 2011 15:00 (20 minutes)

For large international High Energy Physics experiments, modern web technologies make the online monitoring of detector status, data acquisition status, trigger rates, luminosity, etc., accessible for the collaborators anywhere and anytime. This helps the collaborating experts monitor the status of the experiment, identify the problems, and improve data-taking efficiency. We present the Web-Based Monitoring project of the CMS experiment at the LHC of CERN. The data sources are relational databases and various messaging systems. The project provides a vast amount of in-depth information including real time data, historical trend, and correlations, in a user friendly way.

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