Contribution ID: **95** Type: **Parallel Talk**

”NoSQL” databases in CMS Data and Workflow Management

Friday, 26 February 2010 16:10 (25 minutes)

In recent years a new type of database has emerged in the computing landscape. These “NoSQL” databases tend to originate from large internet companies that have to serve simple data structures to millions of customers daily. The databases specialise for certain use cases or data structures and run on commodity hardware, as opposed to large traditional database clusters.

In this paper we discuss the current usage of “NoSQL” databases in the CMS data and workload management tools, discuss how we expect our systems to evolve to take advantage of them and how these technologies could be used in a wider context.

Primary author: Dr METSON, Simon (H.H. Wills Physics Laboratory)

Co-authors: MELO, Andrew (Vanderbilt); EVANS, Dave (FNAL); FOULKES, Steve (FNAL); KUZNETSOV, Valentin (Cornell)

Presenter: MELO, Andrew (Vanderbilt)

Session Classification: Friday, 26 February - Computing Technology for Physics Research

Track Classification: Computing Technology for Physics Research