Implementation of a Portal Dedicated to Higgs Bosons for Experts and the General Public

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The implementation of a web portal dedicated to Higgs boson research is presented. A database is created with more than 1000 relevant articles using CERN Document Server API and web scraping methods. The database is automatically updated when new results on the Higgs boson become available. Using natural language processing, the articles are categorised according to properties of the Higgs boson and other criteria. The process of designing and implementing the Higgs Boson Portal (HBP) is described in detail. The components of the HBP are deployed to CERN Web Services using the OpenShift cloud platform. The web portal is operational and freely accessible on http://cern.ch/higgs.

In-person participation
No

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