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CERN Open Data portal: Invenio meets big data

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The CERN Open Data repository platform manages and disseminates close to two petabytes of open data from particle physics. This includes collision and simulated datasets together with software code examples, associated documentation, configuration files, and virtual machines enabling to explore the released data for both educational and research purposes. In this talk, we will address how Invenio technology is used in running the service, from managing big research data sets, through keeping the system highly available during high user demand periods, up to providing customised interactive data visualisation and exploration of research data.

<https://gitlab.cern.ch/invenio/template-openshift>

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