

The quality and testing PH-SFT infrastructure for the external LHC software packages deployment

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The PH-SFT group is responsible for the build, test, and deployment of the set of external software packages used by the LHC experiments. This set includes ca. 170 packages including Grid packages and Montecarlo generators provided for different versions.

A complete build structure has been established to guarantee the quality of the packages provided by the group. This structure includes an experimental build and three daily nightly builds, each of them dedicated to a specific ROOT version including v6.02, v6.04, and the master. While the former build is dedicated to the test of new packages, versions and dependencies (basically SFT internal used), the three latter ones are the responsible for the deployment to AFS of the set of stable and well tested packages requested by the LHC experiments so they can apply their own builds on top. In all cases, a complete build of these packages is provided for different platforms and compilers.

In this talk, we will show the build and test infrastructure we provide to the experiments including a description of the specific tools used for this aim.

Availability

Both days

Will you need the training center (Workshops)?

No

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