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Implementing long-term data preservation and open access in CMS

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Implementation of the CMS policy on long-term data preservation, re-use and open access has started. Current practices in providing data additional to published papers and distributing simplified data-samples for outreach are promoted and consolidated. The first measures have been taken for the analysis and data preservation for the internal use of the collaboration and for the open access to part of the data. Two complementary approaches are followed. First, a virtual machine environment, which will pack all ingredients needed to compile and run a software release with which the legacy data was reconstructed. Second, a validation framework, maintaining the capability not only to read the old raw data, but also to reconstruct them with more recent releases to guarantee long-term reusability of the legacy data.

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