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Software Management in the HARP experiment

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This paper discusses some key points in the organization of the HARP software. In particular it describes the configuration of the packages, data and code management, testing and release procedures.

Development of the HARP software is based on incremental releases with strict respect of the design structure.

This poses serious challenges to the software management, which has gone through essential evolution during the life of the experiment.

A progressively better understanding of the organizational issues, like the environment settings, package versioning, release procedures, etc., was achieved.

Mastering of the CVS and CMT tools, plus an essential reduction of the manual work allowed to reach the situation where one software development iteration (compilation from scratch, full testing, installation in the official area) takes only a few hours.

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