Use of SVN as lattice repository

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Outline

What is SVN

How we could benefit from it

Example of existing lattice repository

Proposed structure

What is SVN / How we could benefit

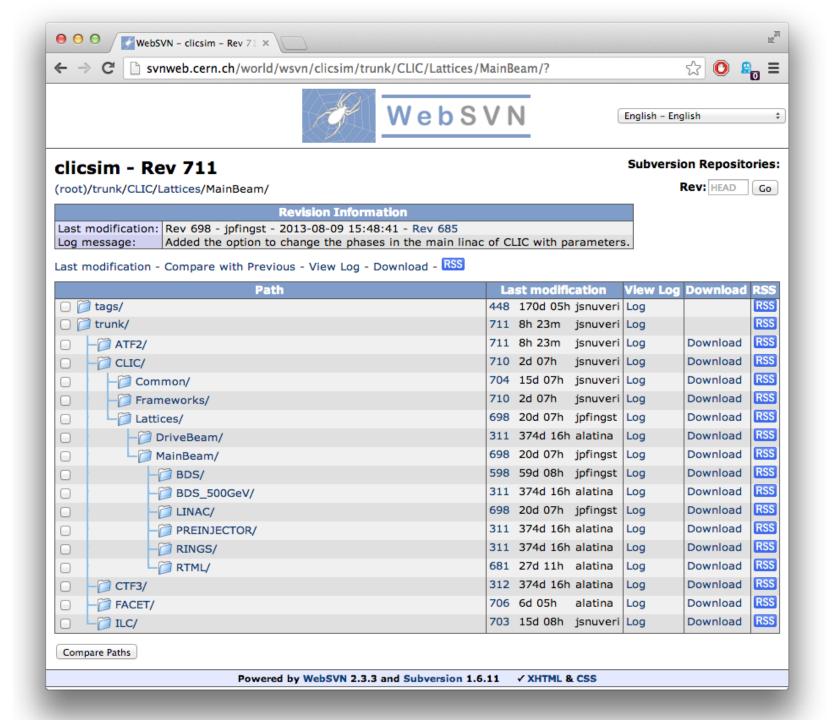
Apache Subversion (abbreviated SVN) is a *software versioning* and *revision control* system, distributed under an open-source license

Developers use Subversion to maintain current and historical versions of files such as source code, web pages, and documentation

Thanks to its robustness and simplicity, it has widely been used by a variety of open-source projects: Apache, GCC, SourceForge, Google Code

Main features:

- Renamed/copied/moved/removed files retain full revision history. The system maintains versioning for directories, renames, and binary files.
- Users can move and/or copy entire directory-trees very quickly, while retaining full revision history
- Versioning of symbolic links
- Supports branching and tagging
- Easy to use, comes with a friendly web interface
- At CERN it's automatically backup'd on AFS



New Proposed Structure

http://svnweb.cern.ch/world/wsvn/clicsim/

baseline/ symbolic link to all baseline lattices

– tags/ contains all tagged versions

– trunk/ work-in-progress version

– current symbolic link to trunk/