

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



clicsim - Rev 711

(root)/trunk/CLIC/Lattices/MainBeam/

Subversion Repositories:

Rev:

| Revision Information | |
|----------------------|--|
| Last modification: | Rev 698 - jpfingst - 2013-08-09 15:48:41 - Rev 685 |
| Log message: | Added the option to change the phases in the main linac of CLIC with parameters. |

Last modification - [Compare with Previous](#) - [View Log](#) - [Download](#) - [RSS](#)

| Path | Last modification | View Log | Download | RSS |
|---------------------------------------|-----------------------|---------------------|--------------------------|---------------------|
| <input type="checkbox"/> tags/ | 448 170d 05h jsnuveri | Log | | RSS |
| <input type="checkbox"/> trunk/ | 711 8h 23m jsnuveri | Log | | RSS |
| <input type="checkbox"/> ATF2/ | 711 8h 23m jsnuveri | Log | Download | RSS |
| <input type="checkbox"/> CLIC/ | 710 2d 07h jsnuveri | Log | Download | RSS |
| <input type="checkbox"/> Common/ | 704 15d 07h jsnuveri | Log | Download | RSS |
| <input type="checkbox"/> Frameworks/ | 710 2d 07h jsnuveri | Log | Download | RSS |
| <input type="checkbox"/> Lattices/ | 698 20d 07h jpfingst | Log | Download | RSS |
| <input type="checkbox"/> DriveBeam/ | 311 374d 16h alatina | Log | Download | RSS |
| <input type="checkbox"/> MainBeam/ | 698 20d 07h jpfingst | Log | Download | RSS |
| <input type="checkbox"/> BDS/ | 598 59d 08h jpfingst | Log | Download | RSS |
| <input type="checkbox"/> BDS_500GeV/ | 311 374d 16h alatina | Log | Download | RSS |
| <input type="checkbox"/> LINAC/ | 698 20d 07h jpfingst | Log | Download | RSS |
| <input type="checkbox"/> PREINJECTOR/ | 311 374d 16h alatina | Log | Download | RSS |
| <input type="checkbox"/> RINGS/ | 311 374d 16h alatina | Log | Download | RSS |
| <input type="checkbox"/> RTML/ | 681 27d 11h alatina | Log | Download | RSS |
| <input type="checkbox"/> CTF3/ | 312 374d 16h alatina | Log | Download | RSS |
| <input type="checkbox"/> FACET/ | 706 6d 05h alatina | Log | Download | RSS |
| <input type="checkbox"/> ILC/ | 703 15d 08h jsnuveri | Log | Download | RSS |

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/