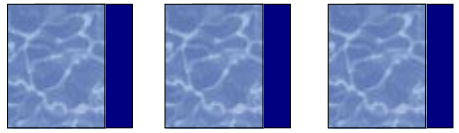
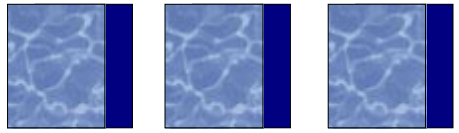
code versioning

- CVS is the standard, not only in HEP
- complement with build system based on make
- located on AFS at DESY (Zeuthen) and/or CCN2P3 (Lyon)
- structure of repository
  - small, self−contained, modular, independent packages
  - some (standard) directories: bin, lib, ...
  - write access for everybody (of the developpers)
    - bug fixes
    - fast developments
- ...



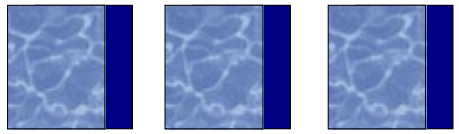
release scheme (1)

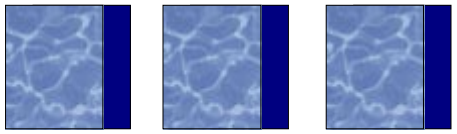
- at any point in time need a working program with well−defined, but maybe incomplete functionality
- development (at least at the beginning) will be fast and requires frequent releases
- H1 (RooT based analysis project):
  - bi−weekly development releases
    - goal−driven vs. time−driven
    - publically available to interested users
  - every few months production release
    - stable
    - well−defined functionality
    - data production



release scheme (2)

- H1 (cont.):
  - regular automatic builds (nightly, weekly, ...?)
  - up−to−date documentation is essential
  - release manager
    - coordinates common releases for all packages
    - tags releases
    - coordinates data production etc.
    - checks standards compliance, ...
- a similar scheme could be appropriate for our simulation studies as well



software tools

- development environment
  - do we need it, do we want it, how would we use it, ... ?
  - seems to be benefitial for large software projects ... shouldn’t we give it a try at least ?
  - possible candidate tools:
    - kdevelop
    - sniff+
    - source navigator
    - ...
- ...