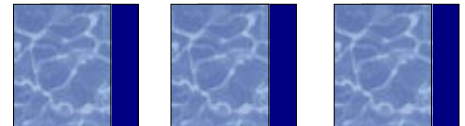


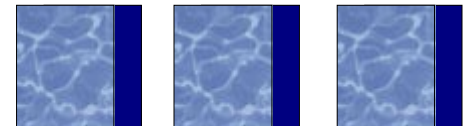
# code versioning

- ❑ 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 developers)
    - ❑ 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 beneficial for large software projects ... shouldn't we give it a try at least ?
  - possible candidate tools:
    - kdevelop
    - sniff+
    - source navigator
    - ...
- ...

