

MicroBooNE Analysis Tools

13-June-2013

- This meeting once/week. Thursdays, 9:30am.
 - Will not re-open doodle poll.

- Yesterday's LArSoft stakeholders meeting
 - Releases
 - Timeframes
 - Meetings

- LArSoft minutiae from past week

Toward a stable build

- **After End of June SCD will run LArSoft**
 - SCD does not guarantee having full LArSoft knowledge before then.
 - Brian, I, Herb, ... are still here for consulting
- **Future Release Model**
 - v<major>.<minor>.<patch>, not S2013.XX.YY
 - **Integration Releases**
 - Work off these, but be aware they eventually are overwritten
 - on the many-week timescale
 - Keep a short history of these
 - Code merged-by hand into each Integration Release
 - **Branch and Merge**
 - Code merged to some official branch
 - probably means git instead of svn
 - probably will take longer than the other options

repository

- One question we said we'd ask this audience:
 - Are you amenable to shifting to git ?
 - We think if yes, let's do it now. ("now")
 - We think you'll need 4-5 commands, as with svn
- Want to factor code into a few repositories
 - to make the experiment builds orthogonal
 - git won't help that per se, though git would allow factoring into separate branches, rather perhaps than repositories.
- Librarians will be assigned to packages
 - to approve merges, vet code, etc.

build

- cmake or cmake/SRT hybrid may be coming
 - Not obvious how that works, or if the benefits are worthwhile without
 - Fully pulling down whole repository
 - Only this (I think) allows completely solving the inconsistent builds problem
 - A full pulling-down of the code and building everything is only tenable only with multi-core parallel building (`make -j32`).
 - My view is that cmake (or hybrid) + git should be done all at once.
 - Unless there's much longer time required to do the new build system

This week's LArSoft minutiae

- shut off the Box Recombo option, else one gets an error very quickly about “virtual memory” being exhausted.
- CVSROOT was recently set to `http://....`, which made `svn checkin` impossible, without doing `svn switch --relocate`. For now CVSROOT is back to `svn+ssh://` and checkins work. Let me know if there's a problem.
- S2013.06.09 is available: GENIE2.8, ...