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 built off trunk, not necessarily latest revision, 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

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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, dictate revision number from which to build Integration Releases, e.g.

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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, ...