Electronic Logbooks for ILC @ FNAL.
May 12, 2006, Woodshed

Agenda:

1. Introductions.
2. What are we trying to accomplish?
    a. How many test areas?
    b. Are we looking at the few year future? The lifetime of the ILC? Something in between?
    c. Do we produce a written document (maybe just a page or 2) or just a verbal consensus?
3. When do we want/need to be finished?
4. Given 2, are there any stake holders not represented on our committee?
    a. Is this a problem?
    b. Should we ask particular committee members to look out for specific interests that are not represented?
5. Discuss Suzanne's list of "requirements" - add, subtract, clarify?
6. We have a list of electronic logbook candidates – are we missing anything?
7. What do want to accomplish at the next meeting and when should it be?

Discussion list of technical requirements/features:

1. Security/authentication/authorization (Kerberos, X.509, etc.)
2. Search speed. The best way to implement this would be via a constant indexing like Google does.
3. Maturity, it is very costly and takes a very long time for software to mature, and you may as well pick one that has already paid the price.
4. Support, that is also costly, if you have to maintain your own version of the software. If the developers are available and you have an agreement with the supporting organization that they will add new features and grow the application with you, you are way ahead.
5. Ease of installation and configuration.
6. Entries need to be readable in 10 years from now. (XML is a good way to implement this)
7. A way to configure the elog to make it a notebook, where one can edit, reorganzie, and add to entries. A control room logbook entry by definition can not be altered. However the need to keep a log for analysis and off line activities is growing.
8. Is the technology modern enough to evolve with your needs for the next 10 years? (web services, xml, java, etc.)

List of candidate solutions mentioned so far:

1. CRL - written by CD and used by several experiments.
2. Elog - written by AD and used at CDF and the accelerator (aka beamline log book).
3. E-logbook - written at TTF
4. PSI (product from PSI used at Miniboone).
5. WebLog - written by TD and used at IB1.