B-Factory Legacy Book Computing

Presentation by H. NEAL (**SLAC**)

at the *1ˢᵗ B-Factory Legacy Book Workshop*
held at SLAC
30 October 2009

CHAPTERS:

- Computing Needs of the BFLB
- Structure Now in Place
- how to use it
- Getting HELP

KEK/High Energy Accelerator
Research Organization

SLAC
NATIONAL ACCELERATOR LABORATORY

BFLB Computing Needs

- A common site for administration,

- inter-collaborative communications,

- news/meeting announcements,

- analysis development,

- chapter editing with version control,

- the compilation of the commulative book(s)

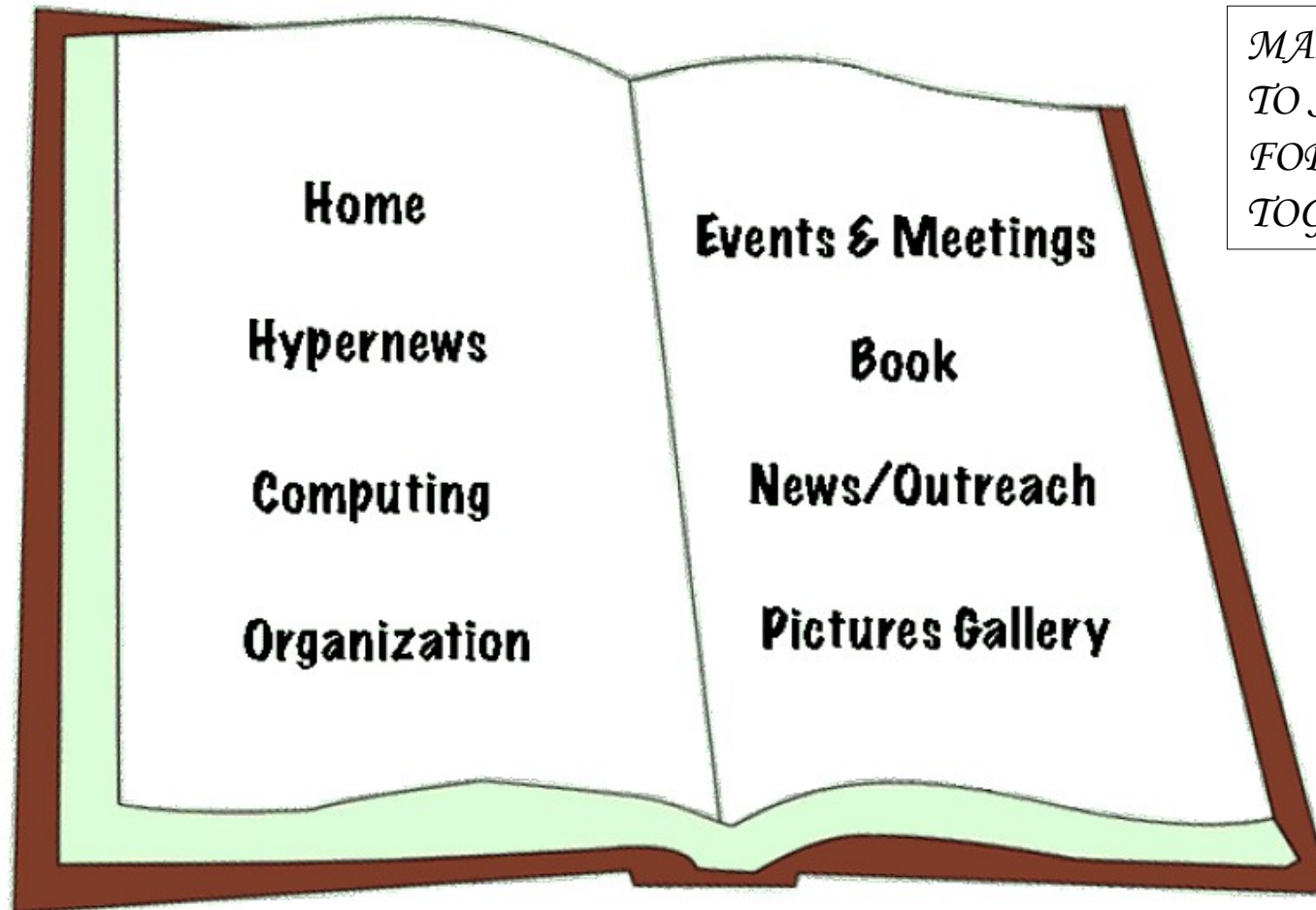- Access and storage of text and figures with frequent backups

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Much of this is now in place ...

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http://www.slac.stanford.edu/xorg/BFLB/

B FACTORY LEGACY BOOK

Home

Hypernews

Computing

Organization

Events & Meetings

Book

News/Outreach

Pictures Gallery

MANY THANKS TO SARODIA FOR PUTTING THIS TOGETHER.

Where to look for current/future meetings and events

Meetings_Events

Meetings & Events

Home   Hypernews   Computing   Organization   Meetings & Events   Book   News/ Outreach   Pictures Gallery

October, 2009

First B-Factory Legacy Workshop - October 30-31, 2009 at SLAC

Indico for the Workshop Details

First B-Factory Legacy Book Workshop

30-31 October 2009   SLAC

Home

This meeting represents the kick-off of the B-Factory Legacy Project. This is the first joint meeting between members of BaBar, Belle, and the theory community. It will be the first opportunity for us to update the community on the progress that has been made so far with regard to ground work toward the legacy book. It will also serve as a forum for the initial discussion between section editors from both collaborations, and other willing contributors who have graciously come forward to volunteer effort for the book.

In addition to discussing the interplay of the various sections of the book, there will be discussion on the practical issues of computing, and communication methods for the community as a whole. We look forward to seeing you all at this meeting, and hope you have a safe trip to SLAC.

Dates: from 30 October 2009 08:00 to 31 October 2009 13:00

Location: SLAC
             Building 48
             Room: Redwood Conference room AB

Material: Participants List

Organization

Home **Hypernews** **Computing** **Organization** **Meetings & Events** **Book** **News/ Outreach** **Pictures Gallery**

Co Editors   **Administration**   **Sections Editors**

Co Editors

Adrian Bevan	a.j.bevan@qmul.ac.uk
Bostjan Golob	bostjan.golob@ijs.si
Soren Prell	prell@iastate.edu
Bruce Yabsley	B.Yabsley@physics.usyd.edu.au

Administration

Donna Hernandez	donnah@slac.stanford.edu
Sarodia Vydelingum	sarodia.vydelingum@apc.univ-paris7.fr

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HyperNews

Many thanks to Charlotte Hee and SLAC Computing for preparing this.

Login to the BFLB HyperNews at hypernews.slac.stanford.edu HyperNews   Not Logged In (login)
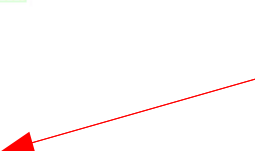
Please enter your BFLB HyperNews at hypernews.slac.stanford.edu HyperNews User ID and Password.

User ID:

homer

HyperNews password:

••••••••

IF NOT A MEMBER YET, APPLY HERE

Login

You can apply for an account if you are not a member. If you have forgotten your password, contact chee@slac.stanford.edu for a new password.

After logging in you will be redirected to /HyperNews/BFLB/cindex

This site runs SLAC HyperNews version 1.11-slac-xx, derived from the original HyperNews

Hypernews: New member Application Form:

This page describes how to register as a new member of the BFLB HyperNews at hypernews.slac.stanford.edu HyperNews. Once you are a member, this can be used to access all forums at this site.

- To **register** as a new member, first make up a User ID and enter it immediately below. Make it something that you can remember and easily type - it may be a "nickname". Then fill in the rest of the form. You *should* provide a Name since it is used to identify you in messages. You *must* provide a new password since it protects you from unauthorized use of your User ID. Finally, click on the Register button.

User ID (nickname, no spaces, no '@', case sensitive):

```
homer
```

Email and Subscription Options

BFLB HyperNews at hypernews.slac.stanford.edu will send you email each time you update your membership information. BFLB HyperNews at hypernews.slac.stanford.edu will also send you new postings via email if you "subscribe" to forums. A full internet Email address is required for this purpose. If you get a new email address, you can update your HyperNews email address here.

Email Address: (example: jdoe@my.home.net, case sensitive)

1. `homer@slac.stanford.edu` (Primary)
2.
3.
4.
5.

The CZAR will be Soeren PRELL with Charlotte and Homer as backups.

Hide my Email Address:

☐ Do not show my Email address in messages or member lists.

Hypernews: New member Application Form:pg 2

Subscribe to:

- ⊙ Only what I specify in each forum.
- ○ Nothing - Please **UNSUBSCRIBE** me from all forums at BFLB HyperNews at hypernews.slac.stanford.edu.

Personal Data

Please tell us about yourself. Your *Name* is used to identify you in your messages; otherwise your Email address or User ID is used. You can leave any of these fields blank, if you would prefer.

Name (example: John Doe):

[   ]

Personal Home Page URL (example: http://my.home.net/):

[   ]

Reason for This New Account: (example: referral, affiliation, etc) [Note: the account is moderated on this site.]

[   ]

To specify your password, enter a new password here twice. You may use up to 8 characters. Note that BFLB HyperNews at hypernews.slac.stanford.edu does not store your password in unencrypted form, so if you forget it, you will need to ask for a new password. **DO NOT USE YOUR INTERNET LOGIN PASSWORD.**

New Password:

[   ]

New Password again:

[   ]

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Hypernews: New member Application Form:pg 3

Remember me:

(BFLB HyperNews at hypernews.slac.stanford.edu can use "cookies" to let your browser remember your login using your User ID and Password for some period of time. You must also enable cookies in your browser.)

- ○ Not at all.
- ⊙ Until I quit my browser.

Now click "Register" to add new membership...

[Register] [Reset this Form to Initial Values]

Access Restrictions at BFLB HyperNews at hypernews.slac.stanford.edu

- Anyone may register new members. Members may update their own info.
- Only administrators may reset passwords of members.
- Only members may read messages.
- Only members may add messages.
- Anyone may add subscriptions for notification. Once a member is subscribed, only that member may unsubscribe.
- Only members may delete their own messages.
- Only members may move or copy their own messages.
- Only administrators may create new forums. The owner of a forum is the administrator for it.

This site runs SLAC HyperNews version 1.11-slac-xx, derived from the original HyperNews

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Example Confirmation Message:

Date: Thu, 29 Oct 2010 12:29:57 -0700
From: Soeren Prell <prell@iastate.edu>
To: hneal@in2p3.fr
Subject: New account 'hntest' is activated (BFLB HyperNews at hypernews.slac.stanford.edu)

Congratulations! Your account 'hntest' has been approved and activated.

You can change your membership info by visiting the URL:

 http://hypernews.slac.stanford.edu/HyperNews/BFLB/SECURED/edit-member.pl?hntest

Write to prell@iastate.edu for assistance.

Note: Your User ID is "hntest",
but you can also use your Email address: "hneal@in2p3.fr".

Account Requirements

- No SLAC account needed for viewing the WebSite or communicating through the BFLB Hypernews(you will need just a HN password)

- A SLAC account will be needed for editing files

  - You can obtain a SLAC account by going to the SLAC User page (http://www-group.slac.stanford.edu/sluo/) and clicking on SLAC User Information Form: https://oraweb4.slac.stanford.edu/apex/oradb1/f?p=1

Getting a SLAC Account

https://oraweb4.slac.stanford.edu/apex/oradb1/f?p=134:1

Editing the Chapters

- The SLAC account will allow you to have access to the Subversion (svn) BFLB repositories for document development, images and analysis tools

SVN: Subversion; version control system

Used by SuperB and ATLAS & many other projects

Similar but better than CVS

Example of an svn at SLAC:
/afs/slac.stanford.edu/g/scs/net/netmon/repo/svn/
$ svn co
file:///afs/slac.stanford.edu/g/scs/net/netmon/repo/svn/
<project-name> my_project

Subversion® Quick Reference Card
For Subversion 1.6

What Is?
Atomic Commit – Collection of modifications either goes into the repository completely or not at all.
Branch – A line of development that exists independently of another line yet shares a common history.
Property – Name/value pairs associated with an element (directory or file) or a revision (unversioned).
Repository – A central store of data stored in the form of a filesystem tree (a typical hierarchy of files and directories).
Revision – The state of the repository after a singe atomic commit with an associated global revision number.
Tag – A snapshot of a project in time that is given a human-friendly name.
URL – Path to the repository or a working copy
  file:// Direct repository access (on local disk)
  http:// WebDAV access to Subversion aware Apache server.
  https:// Same as http://, but with SSL encryption
  svn:// Access via custom protocol to an svnserve server.
  svn+ssh:// Same as svn://, but through an SSH tunnel.
Working copy – A user's own local copy of portions of the repository where they can make changes.

svn Command Syntax Legend
URL – Subversion Repository URL
WCPATH – Working copy path
TARGET – Working copy path or URL
... – Multiple files, directories, TARGETS
REV – Revision number or revision keyword
OPREV:PEGREV – Revision range, using an operative revision and peg revision.
@PEGREV – Revision range, using peg revisions.

How do I?
Basics
Get help online? svn help [SUBCOMMAND]
Create a working copy? svn checkout URL
Update working copy? svn update [WCPATH...]
Add a file(s) and/or directory(ies)? svn add [WCPATH]
Delete a file(s)/directory(ies)? svn delete WCPATH \ URL
Move/rename file(s) and/or directory(ies)? svn move SRC DST
Revert all my local changes? svn revert WCPATH...
Copy a file(s) or directory(ies)? svn copy SRC DST
Commit changes to the repository? svn commit [WCPATH...]
If my commit fails due to a crash, cleanup my working copy to retry? svn cleanup [WCPATH...]
How do I lock a file/directory? svn lock TARGET...
How do I unlock a file/directory? svn unlock TARGET...

http://www.collab.net/community/subversion/articles/CollabNet_SVNQuickReferenceCard.pdf

HELP

- Administrative assistance:
  - Donna Hernandez donnah@slac.stanford.edu
  - Sarodia Vydelingum
    sarodia.vydelingum@apc.univ-paris7.fr

- Account czar:
  - Soeren Prell prell@iastate.edu

- Hypernews problems:
  - Homer Neal homer@slac.stanford.edu
  - Charlotte Hee chee@slac.stanford.edu

- SVN:

  - Homer Neal homer@slac.stanford.edu

First B-Factory Legacy Book Workshop

30-31 October 2009   SLAC

- ➤ **Overview**
- ➤ **Timetable**
- ➤ **Registration**
- ➤ **Registration Form**
- ➤ **Registration List**
- ➤ **Accomodation**
- ➤ **How to reach SLAC**
- ➤ **Social event**

✉ **support**

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     〰 **agenda**

Now playing: 09:50-10:10: **Computing update**

Find: aux   ⬇ Next   ⬆ Previous   ✏ Highlight all   ☐ Match case   ⓘ Phrase not found