SiD DBD

Main Editors' Report

SLAC, 16/Dec/2011

Marcel Stanitzki

Introduction

- ## The DBD (aka DooBeeDoo)

  - Some general details

- ## DBD technicalities

  - How we're going to do it

- ## SiD & DBD

  - What do we want the DBD to be?

  - Plans

- ## Summary

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The DBD

- Is going to be due December 2012

- Two deadlines already before

  – By February(March??) 2012: Outline of the contents

  – By September 2012: first draft

- Discussions about Format, Style, Pages

  – ~ 150 Pages

  – Common layout

  – Potentially one volume with ILD and SiD

- We need to get started now

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DBD Technicalities

- Main Editors and Chapter Editors have been assigned

- We're going to use Latex

  – Word ain't an option for large documents with many authors

  – Available for Linux, Windows, Mac

- Building what has been done for the CLIC CDR

  – Using Subversion version management

  – Build on all the tools already available

- Style guide etc in the making

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The Section editors

SiD Area	Section editors
VTX	R. Lipton, W. Cooper
TRK	M. Demarteau, T. Nelson, W. Cooper
ECal	R. Frey, M. Stanitzki
HCal	A. White, J. Xia
Muon	G. Fisk, H. Band
FWD	U. Grimm, T. Maruyama
Magnet	W. Craddock, M. Oriunno
MDI	P. Burrows, T. Markiewicz
Sim/Reco/PFA/Perf.	N. Graf, J. Strube
Benchmarking	T. Barklow, P. Roloff
Cost	M. Breidenbach, K. Krempetz

Main Editors: P. Burrows, M. Stanitzki

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CDR Editing process

- LateX

  – Reference handling using central bibtex file

- Subversion system at CERN

  – Worked well and made the editors life really easy

  – Will take the same system for the DBD

- Nightly builds

  – http://stanitz.web.cern.ch/stanitz/nightlybuild.html

  – Provides pdf and tar ball of sources

  – Very popular

  – CDR always accessible for the entire community

  – Proposal to do the same for the DBD

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Lessons learned

- Subversion

  - Make one or two tutorial sessions for people not so familiar with it

  - Teach people to commit their changes frequently (not big chunks every three weeks)

- Style Guide

  - We had one, but not well known/distributed

  - Releasing one early makes it easy to have a coherent document. Otherwise a lot of work at the end

- Language

  - Agree on either American or British English

  - Have a word spelling list. Still amazed about the amount of ways to spell one word …

- Picture/Drawing formats fixed

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Cont'd

- Explaining the concept of a "deadline"

  - Doesn't seem to be an obvious concept for some people

  - People delaying their contribution cause a lot of work for everyone else

- Having a "References" Maestro is invaluable

  - It is tedious work

  - Credits to Angela for taking care of this

- Working together

  - Even with subversion avoid having two people editing the same paragraph … communication helps

  - Swarm intelligence can end in chaos …

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Further suggestions

- Dedicated Chapter Readers
  - One or two dedicated readers for each chapter
  - Read it, once it has been declared feature-complete
  - Act as "internal referee" …

- Learned from the CLIC CDR
  - Chapter editors can commit changes to their chapter
  - Contributions to a chapter go through them
  - Too many people committing to one chapter doesn't work

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Where are we right now ?

- SVN has been set up a CERN

  - Now need to populate it with content

- All the automated scripts just need to be adapted

  - Minimum effort needed

- Need to set up Confluence Page with instructions

  - Ongoing

- Have first text

  - Everybody !

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Formatting WG

- We can have input there ...

  - SiD Reps: Phil Burrows, Marcel Stanitzki

- To we insist on a page limit ?

  - No point if not enforced for both groups

- There maybe a common preface ..

  - What should this contain ?

  - Are we happy with that ?

- Need to have a look at proposed common layout

- Question for the report ☺

  - ILD & SiD

  - SiD & ILD

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Recap:

- ## From Michael Peskin:

  The announcement of the Higgs discovery will be
   a magic time when we have the world's attention.
  Everyone will ask, what is next ?
  If the technical proposal is not ready,
  the moment is lost.

- ## Paul Grannis

  The LHC results …
  This is not bad news for the ILC

- ## From NHK this morning

  Japan has launched a bid to build the world's
  largest particle collider, a huge underground
  experimental facility for studying unknown
  subatomic particles.

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- Just a write-up of the work of the last four years ?

  - A Document for "us" (aka the LC community)

- Or in the light of the latest LHC news and the Japanese announcement

  - Make this a showcase of SiD's potential

  - Illustrate suitability for Higgs measurements

  - Outline a clear way ahead

  - More along the lines of a proposal

  - A document for the entire HEP community

  - Attract new collaborators to SiD and ILC

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For the February Draft

- Main Editors
  - Provide Latex framework
  - Page limits for each chapter
- Each chapter to produce :
  - A detailed Outline
  - List of tables and plots to be included
- What would be nice
  - Have some text already
  - A lot of things can be reused from the LoI
- Motherhood:
  - Summer will be busy, so may be good to make a head-start

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Summary

- Technically, we're ready to go

- Now it depends on **YOU** to produce content

- We should have a clear opinion, what the DBD is going to be

  - Discussions needed with ILD as well

- It's a year to get it done

  - We made it happen for the LoI

  - Let's do it !

Now is the time to set your sights high and go for it

Marcel Stanitzki