



SiD DBD

Main Editors' Report

SLAC, 16/January/2013

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DBD Outline

- Currently
 - 5 Parts
 - ~ 500 pages
- Common section Part 1
 - Physics and Detector Challenges
 - Common tasks
- SiD
- ILD
- Common section Part 2
 - Summary

- DBD is written using LaTeX
 - Common preliminary style from GDE
- Using subversion(svn) for Version management
 - Hosted by CERN – a big thanks
- Nightly Builds
 - Making the pdf available to everybody
- All information on the DBD page
 - <https://confluence.slac.stanford.edu/display/ilc/Detailed+Baseline+Report+2012>
- Also tried to provide some instructions

- 31/03/2012 Outline available for the IDAG ✓
- 24/09/2012 First Draft submitted to the IDAG ✓
- 22-25/10/2012 IDAG Review in Arlington ✓
- 30/11/2012 "Final Draft" submitted to PAC ✓
- 14/12/2012 PAC review at KEK ✓
- 15/01/2013 Freezing of SiD Benchmarks ✓
- 2q/01/2013 DBD feature freeze (?) ✗
- April 2013 Printing the DBD ✗

- Overall quite satisfied
- Questions mainly on
 - Tracking and Alignment
 - Some calorimetry questions
 - Power pulsing
- Realistic Expectations
 - IDAG was very aware of tight resources
 - TDR level details wasn't expected
- SiD DBD is in good shape
 - Most comments were editorial

Feedback cont'd

- Questions on our benchmarking results at PAC
 - Handled by Tim and myself
- IDAG quite concerned about having consistent results
 - Any big differences should be understood
- Suggesting close contact with ILD on benchmarks
 - This is now happening
- Not entirely happy about benchmarks being that late
 - My comment : Neither are we but we did what we could



Where are we right now

- Benchmarks frozen
 - Review at this meeting
- Working in the last round of comments (almost done)
 - Some comments on Magnet chapter still pending
- Tracking lacks a few references
- Need to finalize benchmarking chapter this week
- Still time to comment/review a chapter
- Then we are done
 - textwise
- Facts and Figures
 - 198 pages
 - All chapters complete
- SVN system
 - 779 commits as of this morning
 - >20 Users
 - Working very reliable





Some SVN stats

Log Message Tag Cloud

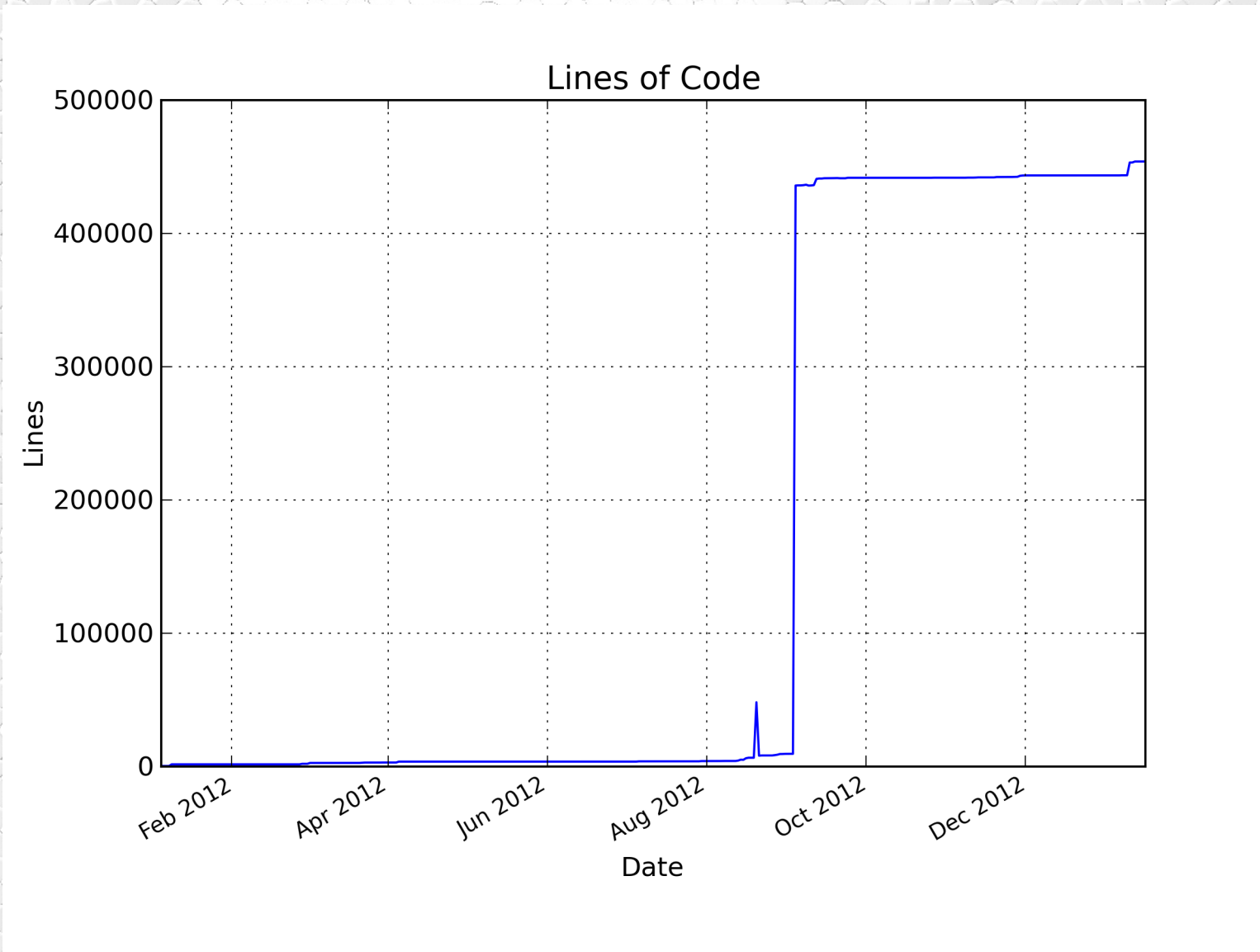
add change **chapter** checking comment draft editing editorial **edits** electronics energy event few
figure final first **fix** label loi lucie mdi **minor** **more** muon new numbers page pdf **plot** progress
reference removing results **section** **small** **spell** style summary **table** text tracking tth
two typo update updated version vertex **work** ww

Author Cloud

awhite barklow bschumm **jstrube** **linssen** lxia **moreglia** ngraf pburrows
proloff rfrey rlipton **stanitz** tknelson tmarkiew wcooper wcraddoc

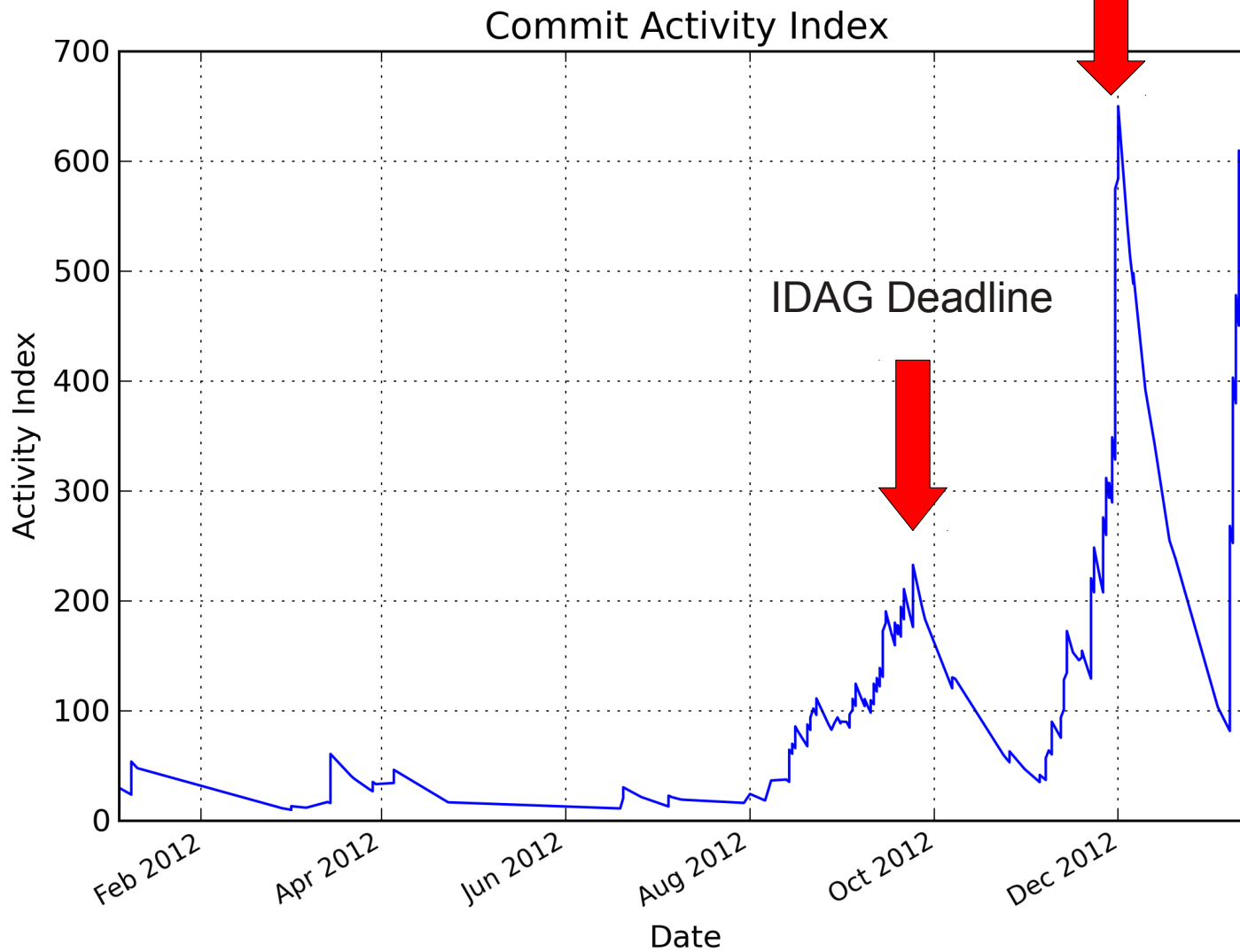


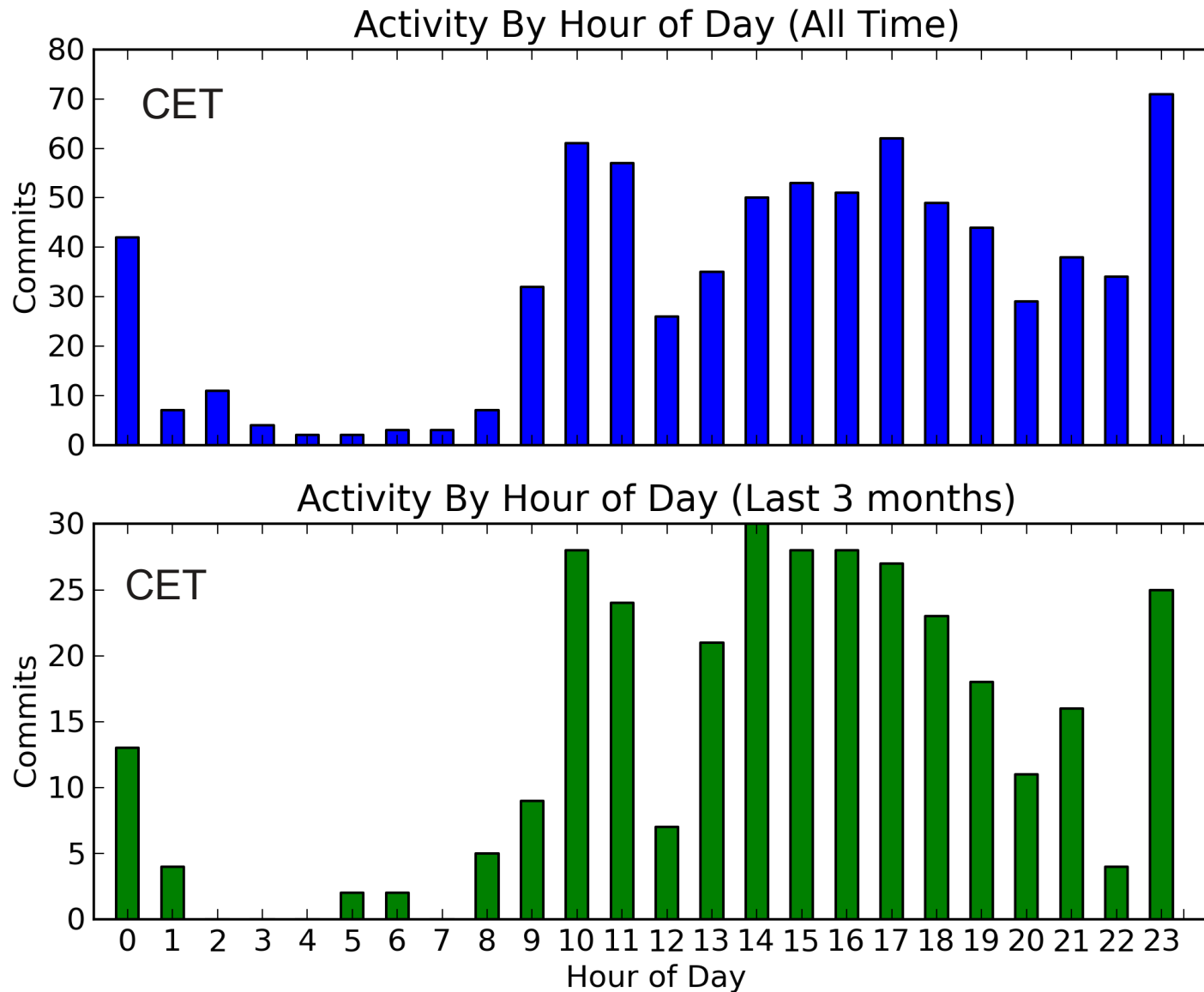
The DBD is growing



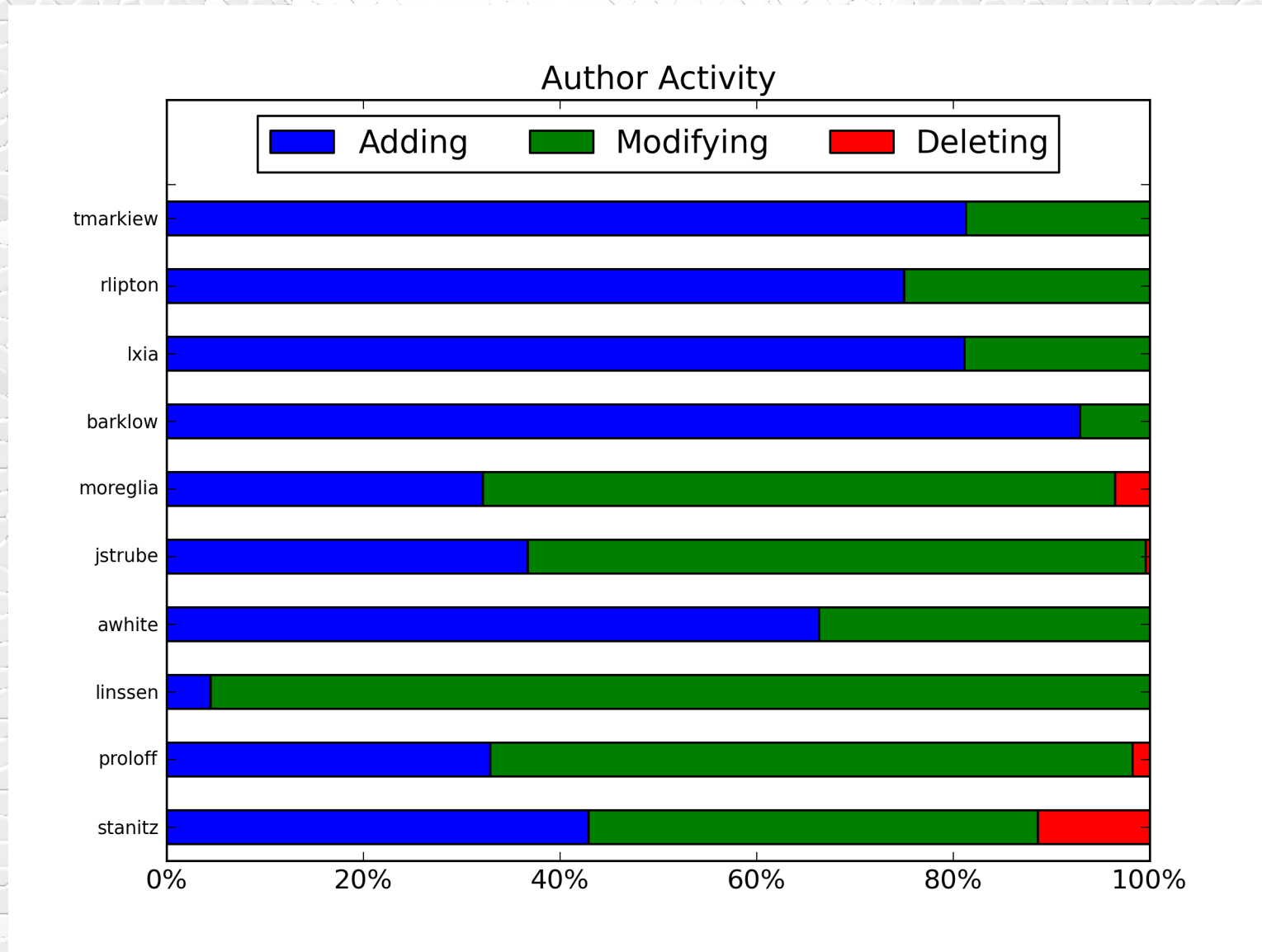
DBD driven by Deadlines

PAC Deadline

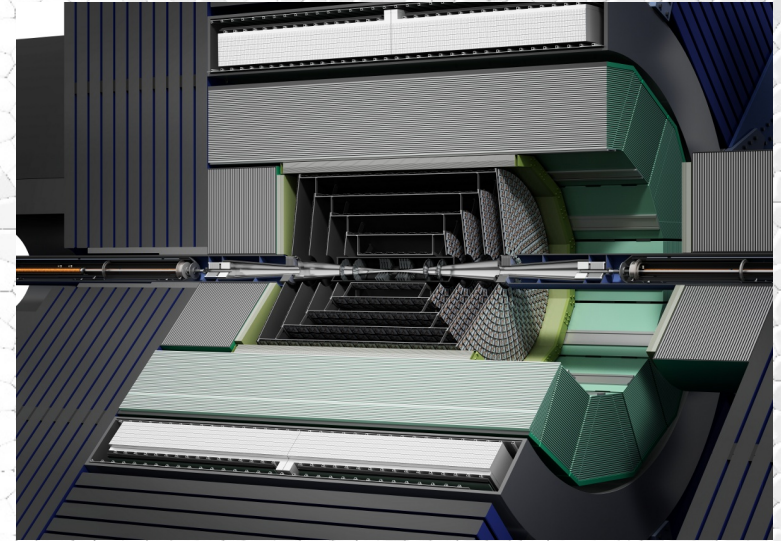
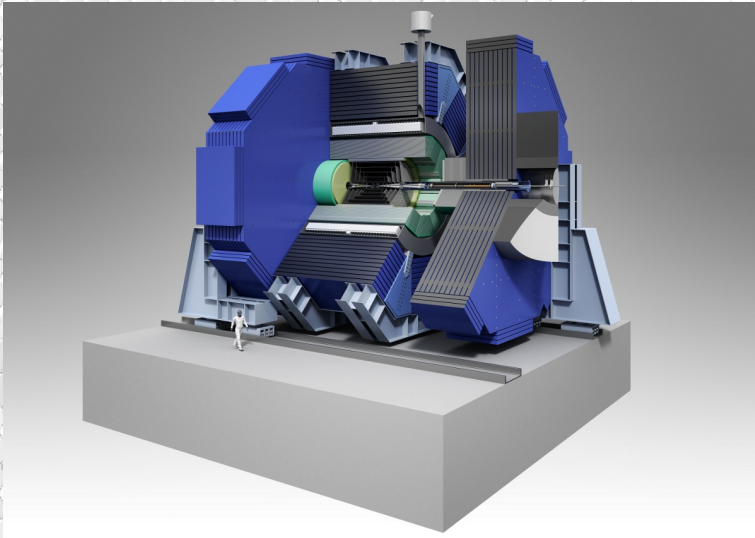




Editors activity



Some DBD Eye-Candy



- A Japanese artist made some renderings of SiD
 - Triggered by KEK
 - Input provided Marco (CAD drawings, etc)
- We were made aware of them after Arlington
- The figures were provided for DBD use by November 2012
 - Featured as cover for the PAC version ;-)
- Caveat
 - One forward disk is somehow missing ...
 - Difficult to get this corrected

Most pressing issues

- Finish Benchmarking chapter
- Improve some figures
- IDAG : Ensure consistency of results with ILD
 - Dedicated Meetings happening
- Common section
 - It is late ... and we haven't made much use of it
 - Once it is final we could start referencing sections and chapters
 - Currently both SiD and ILD are pretty much stand-alone
- Priority number one
 - DBD-TDR Stylefile

Common stylefile

- ILC TDR and DBD are supposed to use one common style file (like the RDR did)
 - Provided by Accelerator team
- This was promised by the PAC meeting
 - Now clear that isn't happening
- Now some last-minute action to fix this
 - Ad-hoc group of “interested parties”
 - Meeting on Monday to decide what to do
 - Ties and myself represent the detectors
 - Stay tuned

What's the big deal ?

- New stylefile means
 - Complete re-layout of DBD
 - Moving figures, tables, making everything fit nicely again
 - Avoiding blank pages
 - This can be a few days work
- Without Stylefile
 - Also no merging of the all DBD parts into one document
- So basically we're in hold till this is fixed

DBD figures

- Some figures are of rather poor quality
 - Screenshot converted into jpg converted into pdf ...
 - Captions only readable under microscope
 - Already bugged people once, effect was small
- Offer from GDE (Mentioned by Jim)
 - Graphics person can redraw some figures to make them publication-quality
 - Problem: Most of our problematic figures are actually histograms...
 - Hence this maybe nice but we won't really be benefiting that much

What's next

- Collecting Signatures till End January
 - Please sign [here](#)
 - Spread the word to non-ILC colleagues
- Final GDE meeting in Vancouver (Feb. 2013)
 - LCO takes over then
- Layout work will be on-going
- DBD goes into print in April (tbc)
- Official presentation June 12, 2013
 - Worldwide ILC event
- Stay tuned



We're almost there, hence

- A big thanks to my fellow main editors
 - Lucie, Mark, Phil and Andy
 - For making the DBD happen
- And all the chapter editors
 - Working hard to put the chapters together
- The production team
 - Providing millions of events to the benchmarkers
- Everybody in SiD
 - For providing input to the DBD
- The DBD is the final report of the LoI phase
 - Culmination of 5 years work
 - Be proud of it

