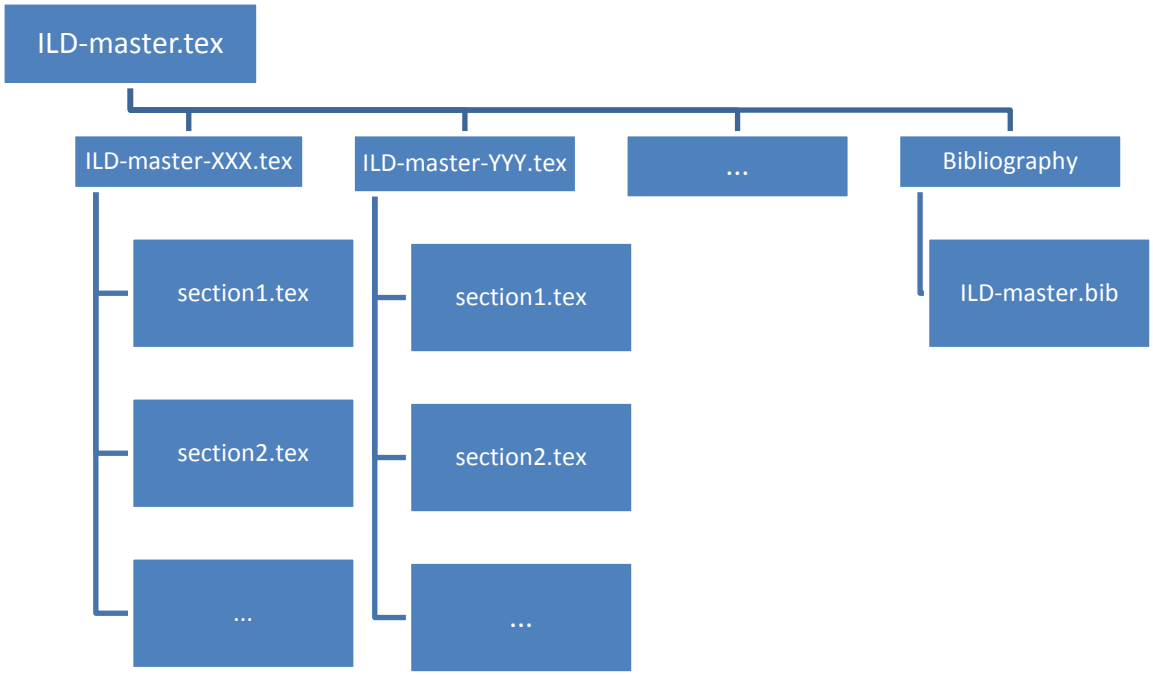
ILD IDR: Technical note

Ties Behnke, 22.6.2018

Structure of the tex system

The DBD will be typeset in latex (pdflatex, to be precise). The following structure of tex input files has been setup:



Each Chapter has its own ILD-master file, which calls the individual contributions. Authors should only work with the section files, which are located in subdirectories named after the chapter.

Within each directory all figures are collected in one fig subdirectory.

References should be coded using the bibtex system. All references are collected in one main bibliography file, ild-master.

Naming Conventions

Each item (chapter heading, section heading, figure, table, etc) should have a latex label. To make the label unique please follow the following naming convention:

- All labels start with ild:
- All labels are then followed with “chap” or “sec” or “tab” or “fig” to indicate that they are chapter or section level, a table or a figure label, and the name of the chapter/ section/ table/ figure: ild:chap:intro, ild:sec:ecal

Beyond this authors are free to choose their own labels.

For references please also prefix your reference with ild:bib:label, to make sure that ild references are clearly separate from others. Please always check the bibtex file to make sure that your reference has not been used by someone else already.

SVN repository

All files for the DBD are collected into one svn repository. This repository is hosted at DESY. Access to it is either in read only mode or as an author, with write access. In the latter case you need a special account (there is no need for a DESY account for this). All authors will receive write access to the repository.

Read access to the repository can be made through a WEB interface. The address of the repository is
https://svnsrv.desy.de/baswebsvn/wsvn/General.ILDIDR/trunk/
Read access is given with the following identifications: user ILDReader@desy.de, password ilddbd!

For write access you need access to a svn installation on your local computer. Most systems support a command line interface, on some, GUI's are available as well (e.g. tortoise (see http://tortoisesvn.tigris.org/) under windows). You will need to specify the repository location in the following way:
https://svnsrv.desy.de/desy/ILDIDR/trunk (users with DESY account)
https://svnsrv.desy.de/basic/ILDIDR/trunk (users without DESY account)

If you do not have a DESY account, a special svn account will be created for you. Login will be your e-mail address, password initially as above for the read access (you should then change this yourself).

We will create regularly tags of the draft, which are then frozen. The latest tags will be linked from the ild WEB page, and will be available in the tags subdirectory of the repository.

Managing References

All references for the DBD are kept in the bibtex database. Handling and managing this can be a bit intimidating for large projects like the DBD. A very nice tool exists which provides a very convenient interface to the bibtex database. This tool (JABREF, see http://sourceforge.net/projects/jabref/) is available for windows, MAC and linux users and – being a Java program – is very simple to install and run. We recommend that authors use this tool to manage the bibliography connected to their parts, use this to make sure that their references are not yet available in the bibtex file, and use it to add to the database. The program will also ensure that the syntax for entries is correct. If you do not want to install the software a WEB interface is also available.

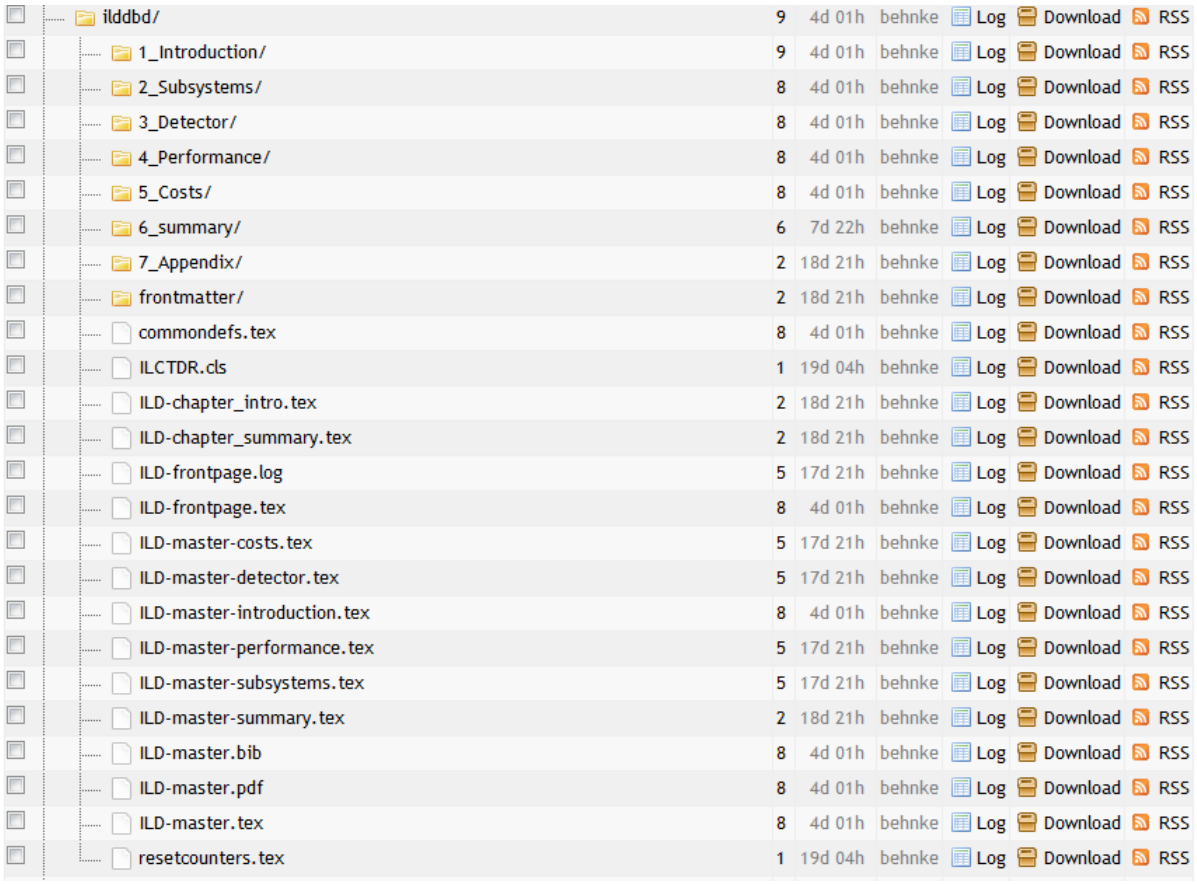
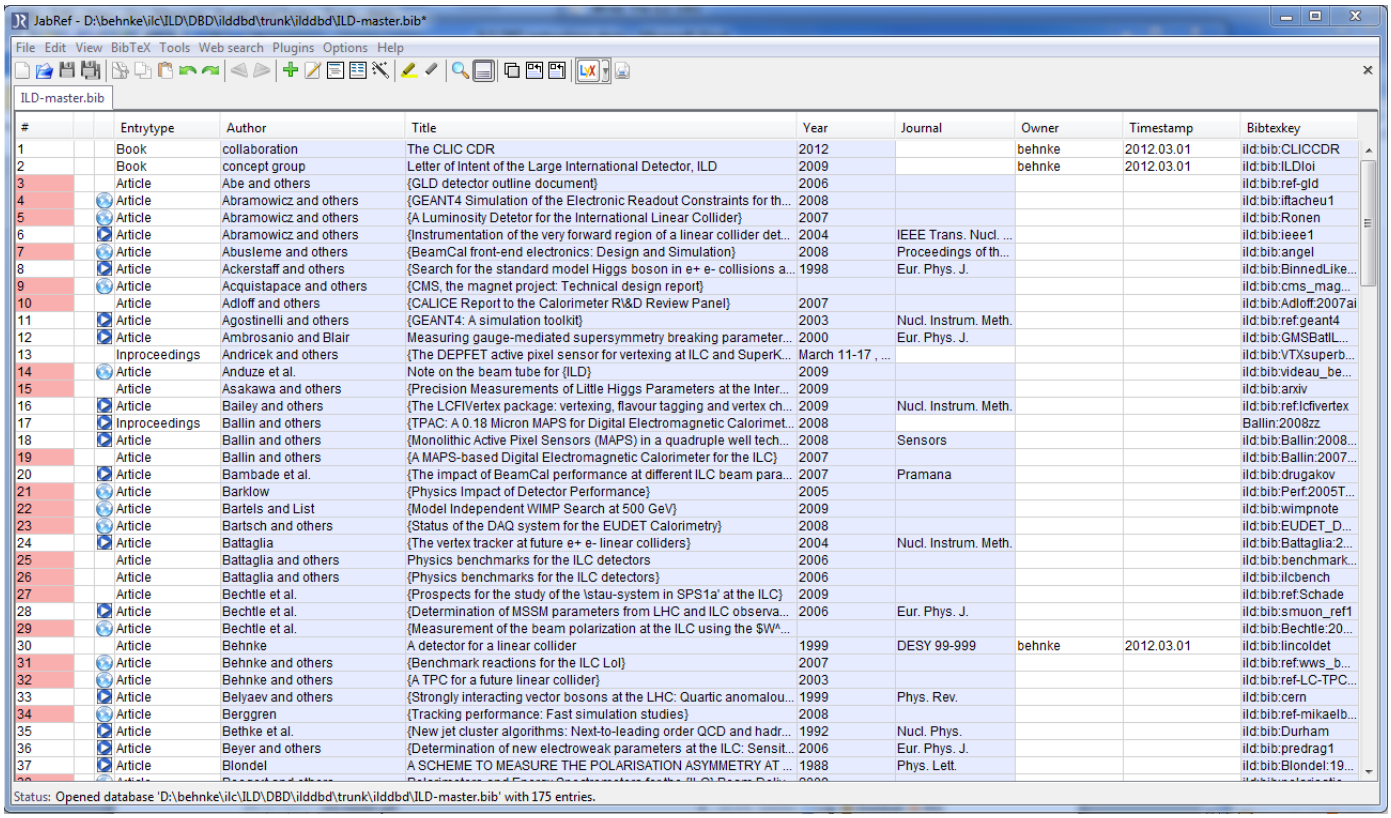


Figure 1: Screenshot of the ILD DBD repository, showing the proposed directory structure.



#	Entrytype	Author	Title	Year	Journal	Owner	Timestamp	Bibtexkey
1	Book	collaboration	The CLIC CDR	2012		behnke	2012.03.01	ild:bib:CLICCDR
2	Book	concept group	Letter of Intent of the Large International Detector, ILD	2009		behnke	2012.03.01	ild:bib:ILDloi
3	Article	Abe and others	{GLD detector outline document}	2006				ild:bib:ref-gld
4	Article	Abramowicz and others	{GEANT4 Simulation of the Electronic Readout Constraints for th...	2008				ild:bib:iftacheu1
5	Article	Abramowicz and others	{A Luminosity Detetor for the International Linear Collider}	2007				ild:bib:Ronen
6	Article	Abramowicz and others	{Instrumentation of the very forward region of a linear collider det...	2004	IEEE Trans. Nucl. ...			ild:bib:ieee1
7	Article	Abusleme and others	{BeamCal front-end electronics: Design and Simulation}	2008	Proceedings of th...			ild:bib:angel
8	Article	Ackerstaff and others	{Search for the standard model Higgs boson in e+ e- collisions a...	1998	Eur. Phys. J.			ild:bib:BinnedLike...
9	Article	Acquistapace and others	{CMS, the magnet project: Technical design report}					ild:bib:cms_mag...
10	Article	Adloff and others	{CALICE Report to the Calorimeter R\&D Review Panel}	2007				ild:bib:Adloff:2007ai
11	Article	Agostinelli and others	{GEANT4: A simulation toolkit}	2003	Nucl. Instrum. Meth.			ild:bib:ref:geant4
12	Article	Ambrosanio and Blair	Measuring gauge-mediated supersymmetry breaking parameter...	2000	Eur. Phys. J.			ild:bib:GMSBatlL...
13	Inproceedings	Andricek and others	{The DEPFET active pixel sensor for vertexing at ILC and SuperK...	March 11-17 , ...				ild:bib:VTXsuperb...
14	Article	Anduze et al.	Note on the beam tube for {ILD}	2009				ild:bib:videau_be...
15	Article	Asakawa and others	{Precision Measurements of Little Higgs Parameters at the Inter...	2009				ild:bib:arxiv
16	Article	Bailey and others	{The LCFIVertex package: vertexing, flavour tagging and vertex ch...	2009	Nucl. Instrum. Meth.			ild:bib:ref:lcfivertex
17	Inproceedings	Ballin and others	{TPAC: A 0.18 Micron MAPS for Digital Electromagnetic Calorimet...	2008				Ballin:2008zz
18	Article	Ballin and others	{Monolithic Active Pixel Sensors (MAPS) in a quadruple well tech...	2008	Sensors			ild:bib:Ballin:2008...
19	Article	Ballin and others	{A MAPS-based Digital Electromagnetic Calorimeter for the ILC}	2007				ild:bib:Ballin:2007...
20	Article	Bambade et al.	{The impact of BeamCal performance at different ILC beam para...	2007	Pramana			ild:bib:drugakov
21	Article	Barklow	{Physics Impact of Detector Performance}	2005				ild:bib:Perf:2005T...
22	Article	Bartels and List	{Model Independent WIMP Search at 500 GeV}	2009				ild:bib:wimpnote
23	Article	Bartsch and others	{Status of the DAQ system for the EUDET Calorimetry}	2008				ild:bib:EUDET_D...
24	Article	Battaglia	{The vertex tracker at future e+ e- linear colliders}	2004	Nucl. Instrum. Meth.			ild:bib:Battaglia:2...
25	Article	Battaglia and others	Physics benchmarks for the ILC detectors	2006				ild:bib:benchmark...
26	Article	Battaglia and others	{Physics benchmarks for the ILC detectors}	2006				ild:bib:ilcbench
27	Article	Bechtle et al.	{Prospects for the study of the \stau-system in SPS1a' at the ILC}	2009				ild:bib:ref:Schade
28	Article	Bechtle et al.	{Determination of MSSM parameters from LHC and ILC observa...	2006	Eur. Phys. J.			ild:bib:smuon_ref1
29	Article	Bechtle et al.	{Measurement of the beam polarization at the ILC using the $W^...					ild:bib:Bechtle:20...
30	Article	Behnke	A detector for a linear collider	1999	DESY 99-999	behnke	2012.03.01	ild:bib:lincoldet
31	Article	Behnke and others	{Benchmark reactions for the ILC LoI}	2007				ild:bib:ref:wws_b...
32	Article	Behnke and others	{A TPC for a future linear collider}	2003				ild:bib:ref-LC-TPC...
33	Article	Belyaev and others	{Strongly interacting vector bosons at the LHC: Quartic anomalou...	1999	Phys. Rev.			ild:bib:cern
34	Article	Berggren	{Tracking performance: Fast simulation studies}	2008				ild:bib:ref-mikaelb...
35	Article	Bethke et al.	{New jet cluster algorithms: Next-to-leading order QCD and hadr...	1992	Nucl. Phys.			ild:bib:Durham
36	Article	Beyer and others	{Determination of new electroweak parameters at the ILC: Sensit...	2006	Eur. Phys. J.			ild:bib:predrag1
37	Article	Blondel	A SCHEME TO MEASURE THE POLARISATION ASYMMETRY AT ...	1988	Phys. Lett.			ild:bib:Blondel:19...

Figure 2: Screenshot of the Bibliography manager JabRef which can help in the management of the bibliography through bibtex.