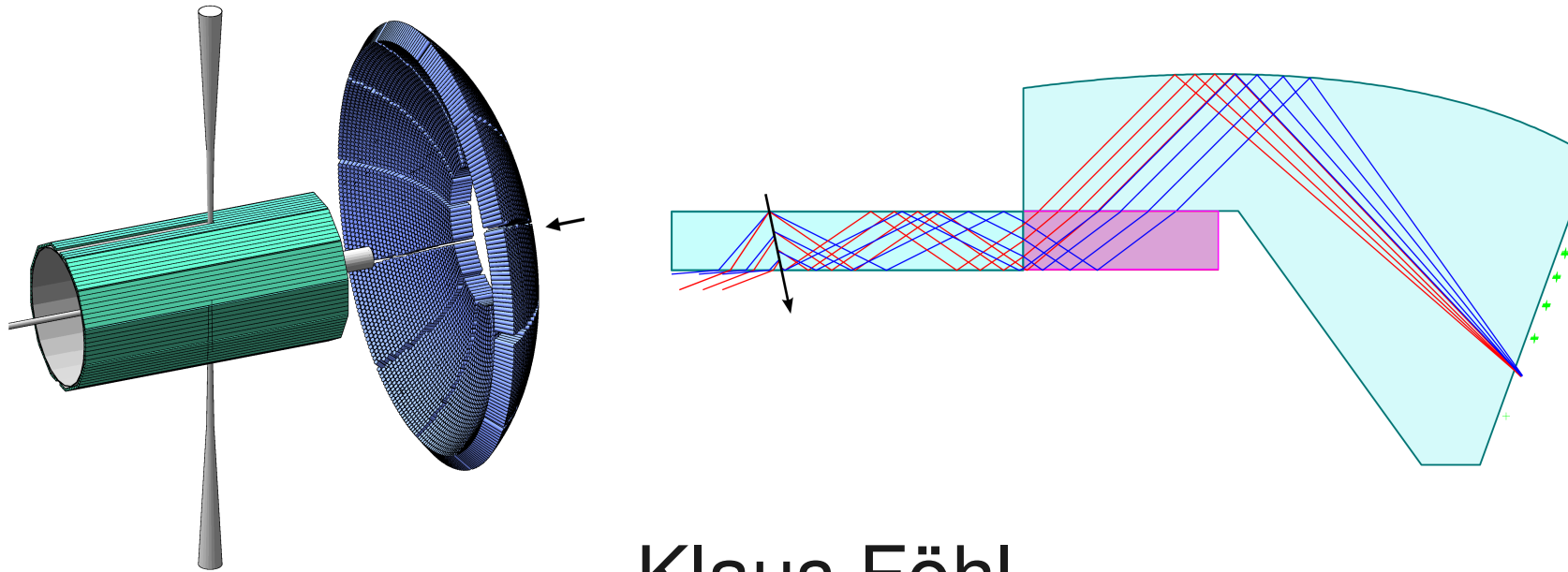


# Steps towards the Cherenkov Technical Design Report

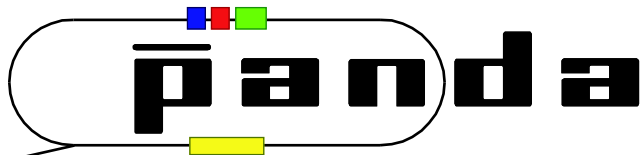


Klaus Föhl

Workshop on Fast Cherenkov Detectors

Gießen

13 May 2009



JUSTUS-LIEBIG-



UNIVERSITÄT  
GIESSEN

# The TDR situation

- Staged approach at PANDA, subsystem TDRs
- First PANDA TDRs already completed
- currently no investment money for DIRCs
- Cherenkov building money needed in 2-3 years
- Funding applications to be supported with a proper Technical Design Report, presumably peer review is necessary.

# My personal experience

- Several write-ups in 2007 and 2008
  - PID-TAG report
  - Funding applications ( .de & .uk )
  - [Physics Book \(courtesy M. Düren\)](#)
  - EU DIRCsecondary-beams Final Report
- Experiences have been a mixed bag, issues:
  - software
  - document and ingredient repository
  - workflow and administration

# Hence I do suggest

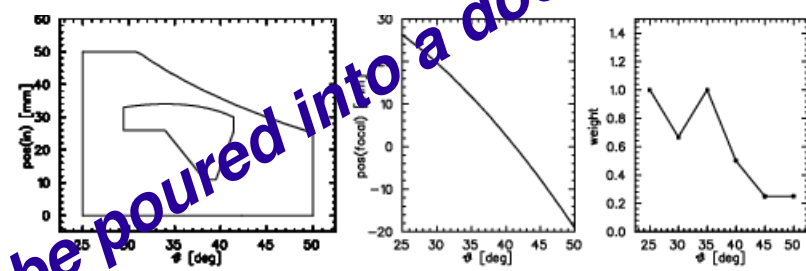
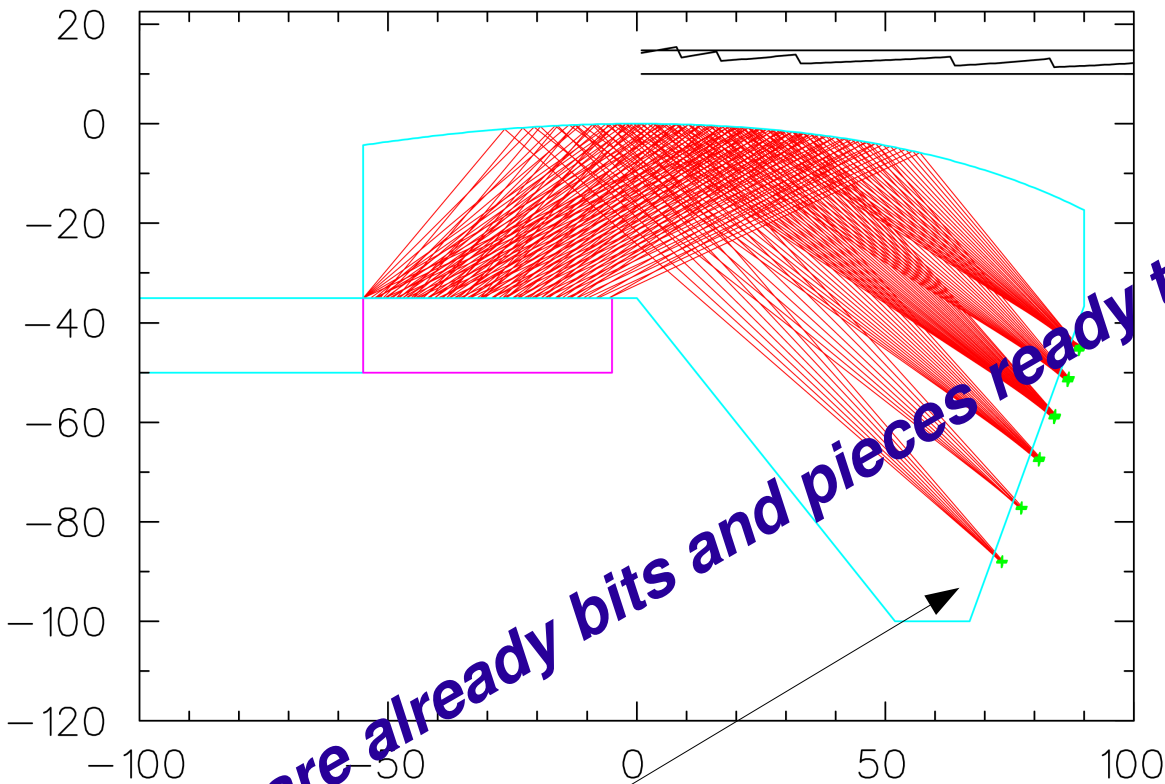
- one common svn repository (backup, archived)
- **pdflatex**

# Hence I do suggest

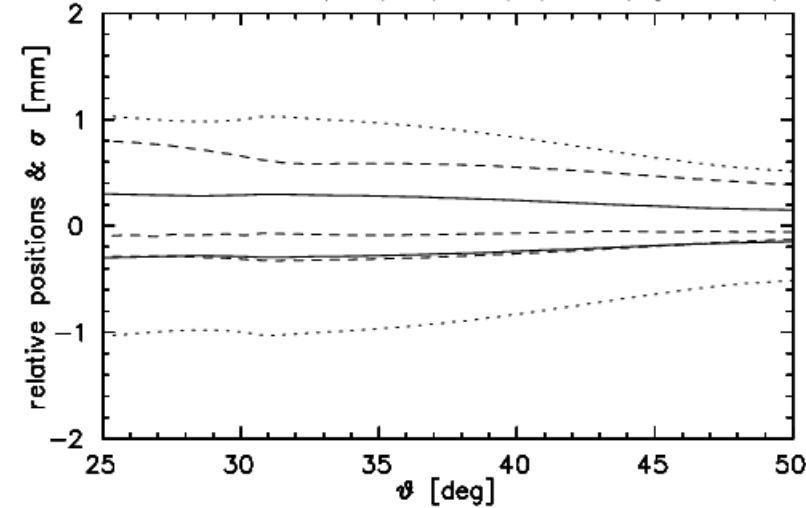
- one common svn repository (backup, archived)
- **pdflatex**
- **put into place ASAP** and
- **fill with directory structure / contents outline**

# Light Guide – Shape Optimisation

/home/foehl/macrospcm/sechzehn/lxye20090216.eps



/home/foehl/macrospcm/sechzehn/sigm20090216.eps



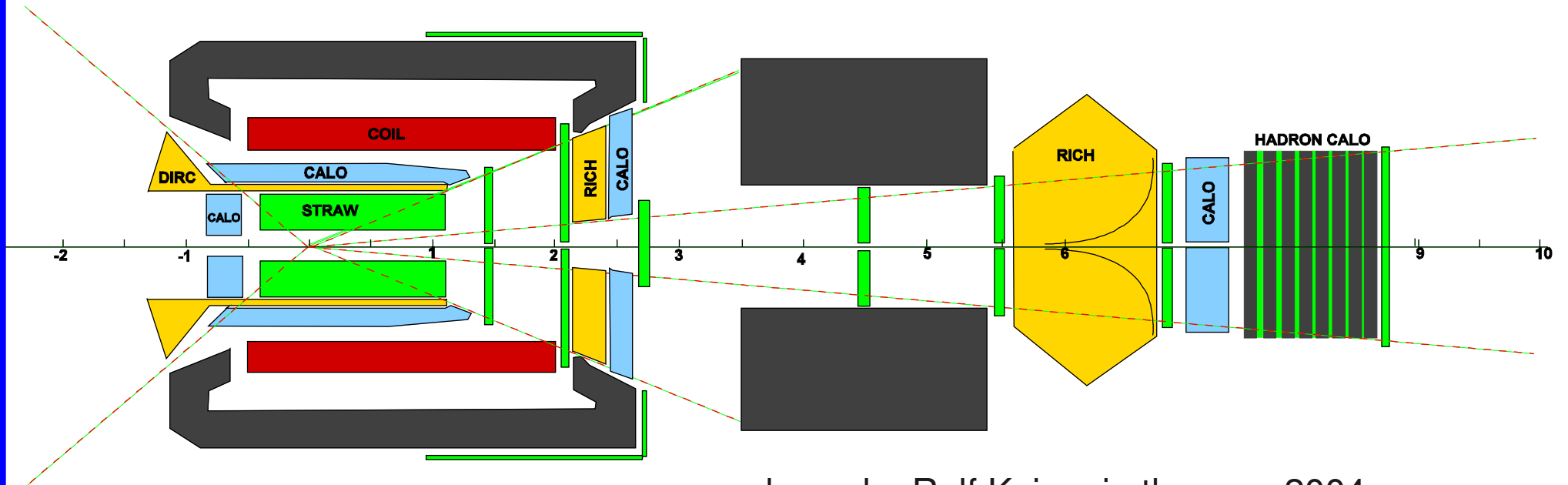
*There are already bits and pieces ready to be poured into a document.*

focal plane oriented normal to magnetic field direction

# Hence I do suggest

- one common svn repository (backup, archived)
- **pdflatex**
- **put into place ASAP** and
- **fill with directory structure / contents outline**
- start writing now – some parts are already known
- use also for our PANDA Internal Reports files

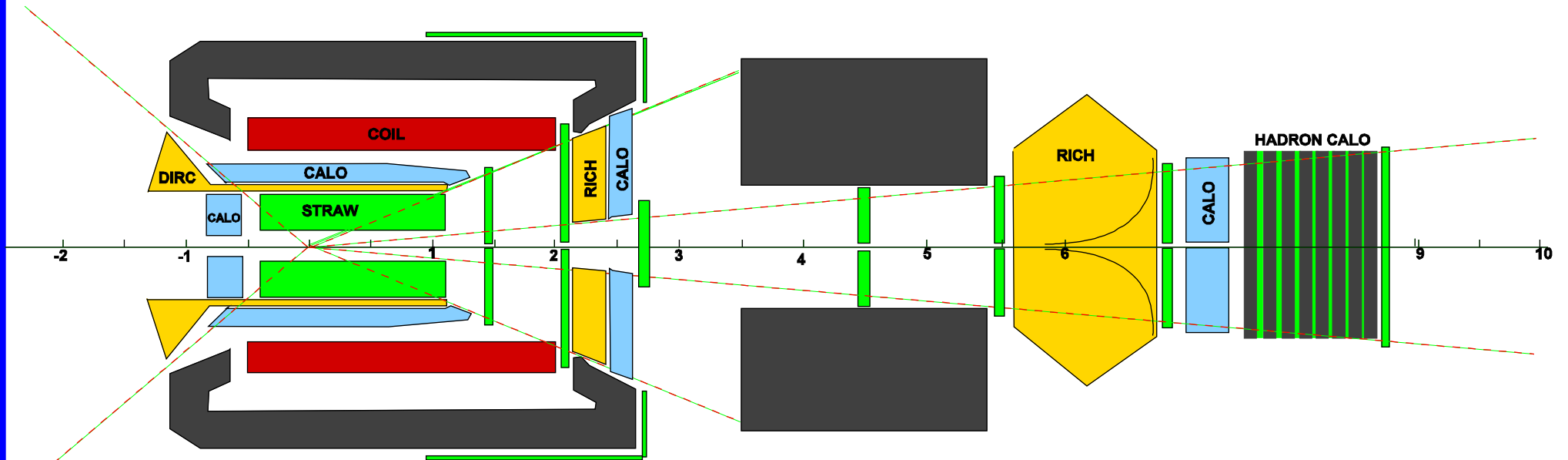
# Sourcing up-to-date images



drawn by Ralf Kaiser in the year 2004



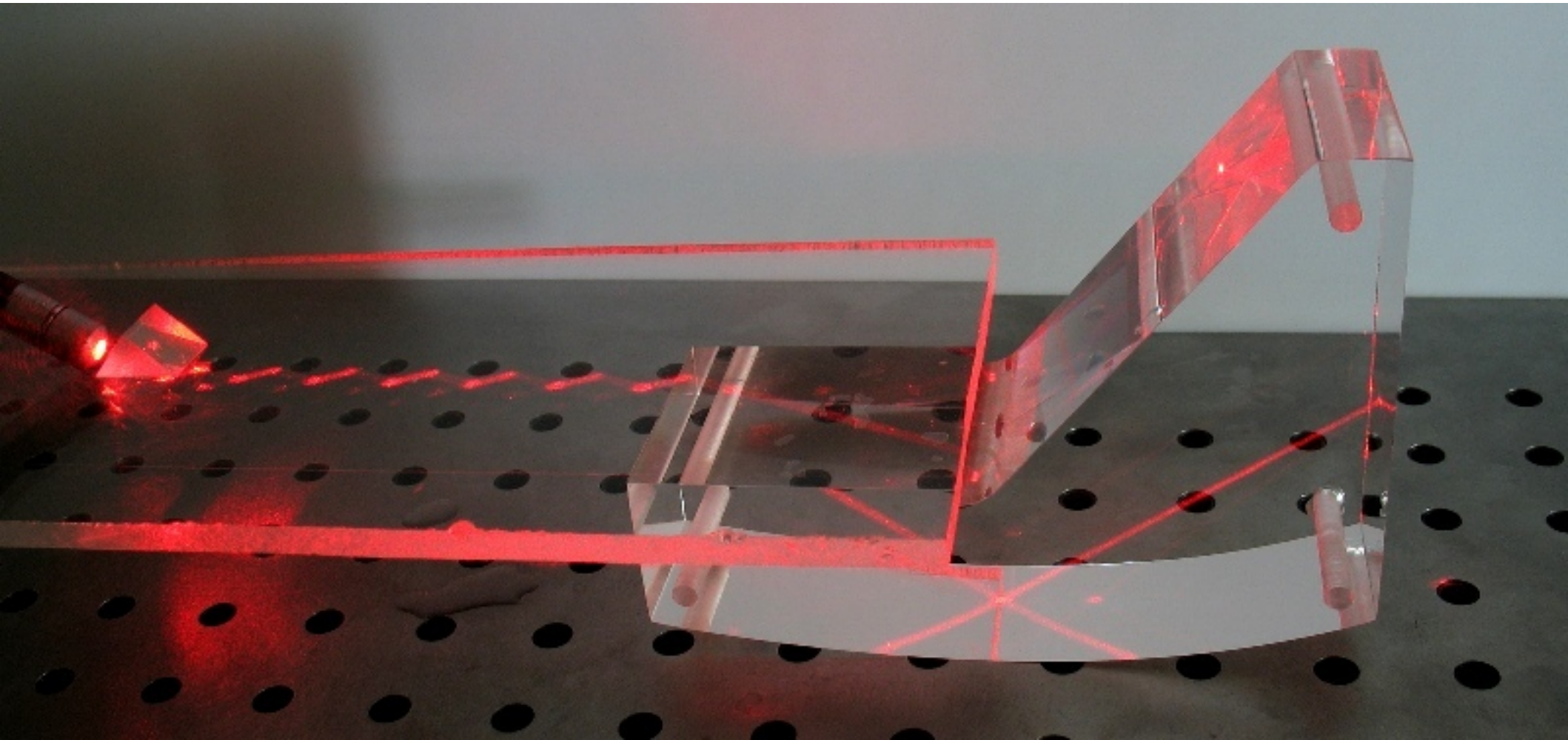
# Sourcing up-to-date images



drawn by Ralf Kaiser in the year 2004

I have seen this sketch (*actually the twin drawing*) in a high profile talk  
**in this year 2009.**

***Eye Candy*** to be available as well



# Hence I do suggest

- one common svn repository (backup, archived)
- **pdflatex**
- **put into place ASAP** and
- **fill with directory structure / contents outline**
- start writing now – some parts are already known
- use also for our PANDA Internal Reports files
- use also for source image files (ready for TDR)