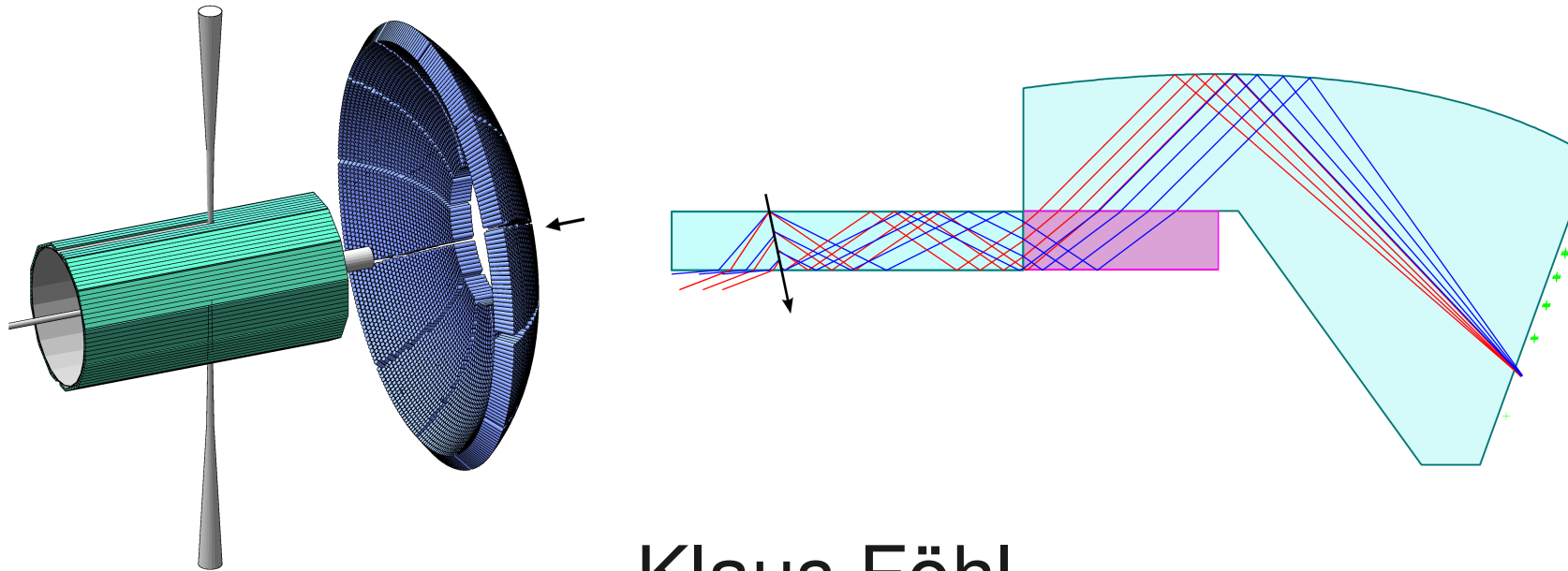


# Inching forward towards the TDR



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PANDA PID Cherenkov group

GSI – EVO meeting

9 September 2009



JUSTUS-LIEBIG-



UNIVERSITÄT  
GIESSEN

# Proven framework

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

# Images and Text – Mediawiki 1

The screenshot shows a web browser window displaying a Mediawiki page. The page title is "File:GSI2009August prototype histo0deg.eps". The main content is a histogram with the following characteristics:

- Y-axis:** "#photons/10protons (1mm bin)" ranging from 0 to 50.
- X-axis:** "focalpos [mm]" ranging from 0 to 60.
- Plot Title:** "0° incident angle".
- File Path:** `/raid/home/foehl/makro_mai2009/klaus20081204dirc20090606/histo0deg.eps`

Below the histogram, there is a caption and source macros:

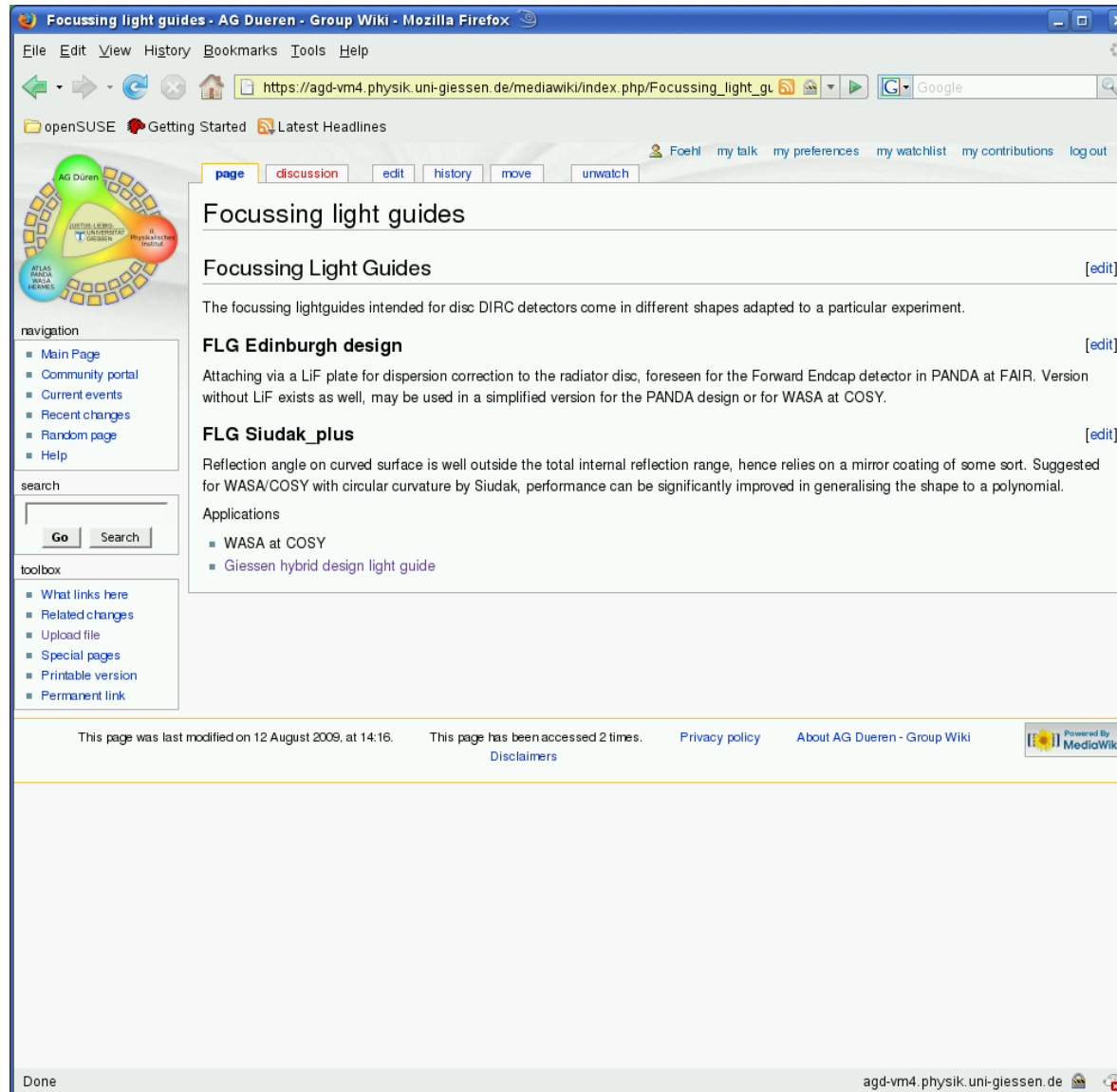
[GSI2009August\\_prototype\\_histo0deg.eps](#) <pdf-long-desc>  
Histograms for GSI hybrid03 prototype test experiment. Protons 2.3GeV/c, no magnetic field, beam 50mm away from FLG start. 129mm virtual light guide width.

```
/raid/home/foehl/makro_mai2009/klaus20081204dirc20090606/his*eps
* PHYSICA:color 1
* PHYSICA:copy iguide2 zf115 icopy zcopy iff (iguide2>260)*(iguide2<384)
* PHYSICA:bin zcopy xcopy zbcopy
* PHYSICA:clear
* PHYSICA:gra xcopy zbcopy
* PHYSICA:text `0<degree> incident angle "70mm"
* PHYSICA:@frame_it
* print-it? then give a filename= histo0deg70mm.eps
* PHYSICA:@panda56dirc04hybrid03_20ang50_12mm42_gsitestpattern2.pcm
```

**File history**

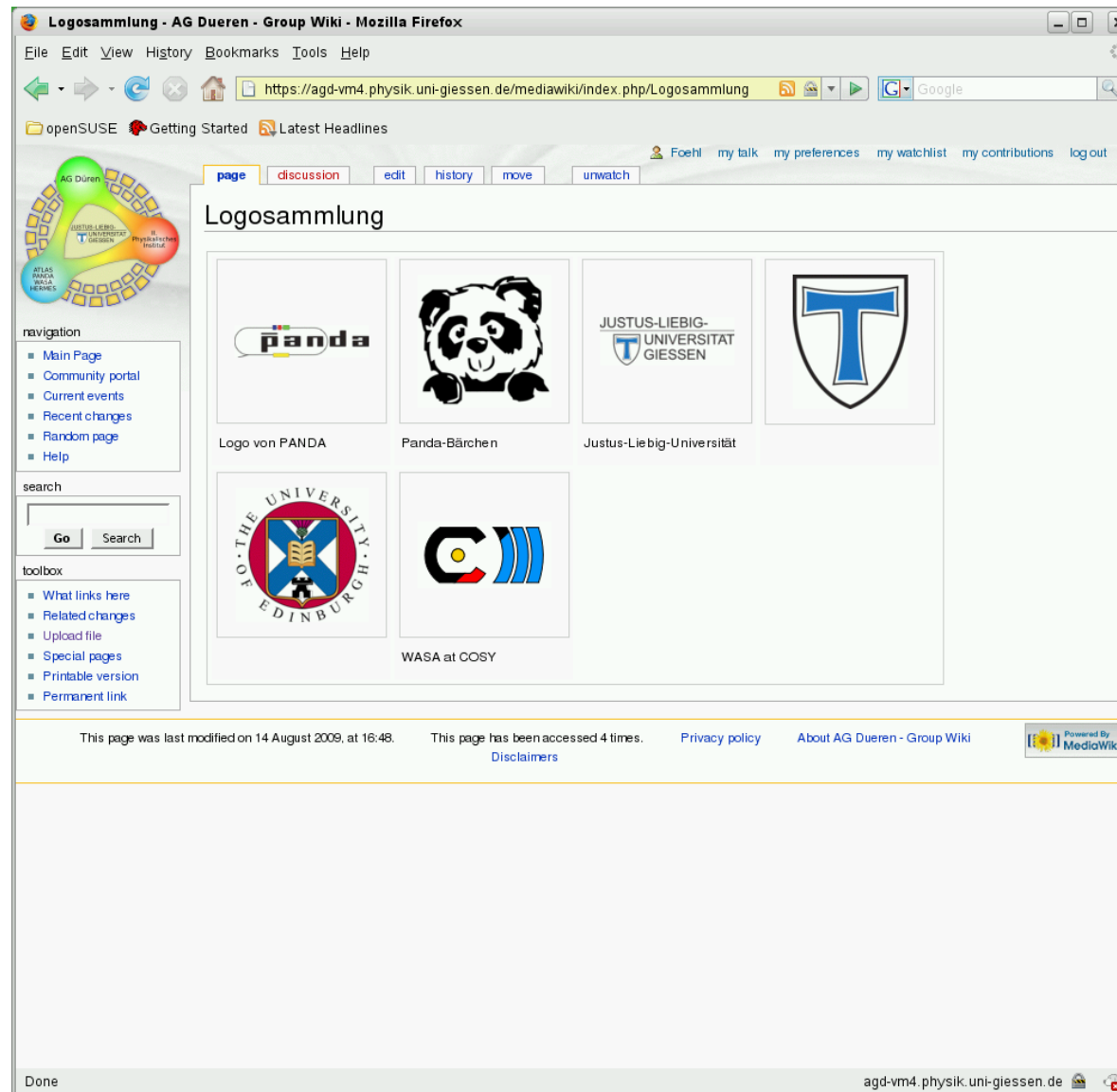
caption text, source macros, directory location, context

# Images and Text – Mediawiki 2



wiki, write-up, logical structure, contents and context

# Images and Text – Mediawiki 3



galleries, categories, images collections

# Images and Text – Mediawiki 4

The screenshot shows a web browser window displaying a Mediawiki page. The browser's address bar shows the URL: `https://agd-vm4.physik.uni-giessen.de/mediawiki/index.php/Giessen_hybrid_de`. The page title is "Giessen hybrid design light guide".

On the left side, there is a navigation menu with links: Main Page, Community portal, Current events, Recent changes, Random page, and Help. Below this is a search box and a toolbox with links: What links here, Related changes, Upload file, Special pages, Printable version, and Permanent link.

The main content area features a "Gallery display of EPS PNG PDF SVG" with four image thumbnails. Below the thumbnails are labels: "eps", "png", "pdf", and "svg".

Below the gallery, the page content shows the source code for the image file: `Head of /raid/home/foehl/makro_mai2009/klaus20081124guide20090529/hybridlg03.edt`. The code is as follows:

```
hybridlg03.* 2009-05-29
! CURVED LIGHTGUIDE      lif_is_present=1
! lif_length=20 dd=50    ax=-10 ay=-60
! boundary_x_upper=70   y_lower=-100
! light_ray u_angle=70  l_angle=40
0
-38.0982
-6.206331
10.035986
-21.525524
! xfocal=10 yfocal=-60 tfocal=0 windowthickness=0
angle[deg] l/w position[mm] sigma[mm] sigma12 a_sigma[mrad] a_sigma12
70.000 9.0 12.01249 0.32996 1.14303 5.24239 18.16017
64.000 8.0 18.53420 0.31862 1.10373 5.19674 18.00202
58.000 2.6 24.84173 0.31835 1.10282 5.38045 18.63842
52.000 6.0 30.87117 0.28358 0.98236 5.01794 17.38265
46.000 5.0 36.67741 0.31307 1.08451 5.86872 20.32984
40.000 4.0 42.04327 0.25983 0.90007 5.23162 18.12287
position relative to (xfocal,yfocal) in tfocal direction ; sigma12:=sigma*sqrt(12)
```

tailored wiki to support all our relevant image formats

# Images and Text – Mediawiki 5

- Image information
- Text structuring
- Image collections, galleries, categories
- thumbnails for jpg, png, svg, EPS, PDF
  
- I personally like the look and feel
- other collaborations use Mediawiki as well

# Editor vs Topics matrix

- Topics...

- disk
- barrel
- optics
- radiator
- transmission
- radiation tests
- reflectivity
- edge quality
- photon detectors
- mechanics

- Editors

- Klaus Föhl
- Matthias Hoek
- N.N.
- N.N.2
- N.N.3
- ....



# Hence I do suggest

- one common svn repository (backup, archived)
- pdflatex
- Mediawiki (up and running in Giessen)
- chapter and verse assignment

