

Processing of Transparencies

Michaela Marx, DESY

JACoW Team Meeting
October 2007, Knoxville, USA



Overview

- ▶ Step-by-step guide
- ▶ The PowerPoint “Capture Show” add-in
 - ▶ a useful tool to make life easier
- ▶ Examples
- ▶ Closing remarks

Step-by-step guide

Step 1: Collect the slide files

Step 2: Convert PowerPoint slides to PDF

Step 3: Upload the PDF slides to the database

Step-by-step guide

Step 1

Collect transparencies from the presenting authors, e.g. on USB sticks or advise authors how to upload the slides to the database

- ▶ PowerPoint (PPT) and PDF formats are allowed for authors but
- ▶ **only pdf files can be published in the proceedings**

Step-by-step guide

Step 1

Collect transparencies from the presenting authors, e.g. on USB sticks or advise authors how to upload the slides to the database

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Step 2

Check PPT slides for overlapping contents by running PowerPoint. If no overlaps, convert PPT transparencies to PDF by

- ▶ using PDFMaker or
- ▶ using the generic postscript driver + distiller

Step-by-step guide

Step 3

After the slides have been converted to PDF they need to be uploaded to the database server.

COOL07 File Upload
Michaela Marx

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Abstract: THM2I04 Progress with Tevatron Electron Lenses
Paper ID: THM2I04
Presentation Type: Invited Oral
Program Session: THM2 -- Thursday Morning Session 2
 09/13/2007 1100 -- 1300
 Auditorium

File Type
 Platform
 File to Upload
 Comments (Optional)

Other Supporting Files
 Portable Document Format
 Post Script File
 Source File (MS Word or LaTeX)
Transparencies
 Uploaded File

◀ select file type 'Transparencies'

Example: Workshop Proceedings FLS2006



FLS 2006 - Proceedings
Hamburg, Germany

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[Keyword Index](#) | [List of Institute](#)

List of Sessions

POS	Poster Session
PLT	Plenary Talk
WG1	Working Group 1
WG2	Working Group 2
WG3	Working Group 3
WG4	Working Group 4
WG5	Working Group 5

WG1 — Working Group 1 (16-May-06 11:00—18:00)

Paper	Title	Page
WG101	Beam Physics Issues in CANDLE Synchrotron Light Source Project	21
	<ul style="list-style-type: none"> • V. M. Tsakanov, M. Ivanyan, Y. L. Martirosyan CANDLE, Yerevan <p>CANDLE (Center for the Advancement of Natural Discoveries using Light Emission) is a 3 GeV synchrotron light source project in Republic of Armenia. The summary of the facility beam physics study will be given, including the optimal beta performance in insertion devices, the machine impedances, instabilities cures, beam lifetime, non-linear and fringe field effects evaluation.</p>	
	 Slides	

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[Slides](#)

← link to the transparencies in the proceedings

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← link to the transparencies in the proceedings

- The database admin needs to copy all slides from the SPMS to a folder named `./TALKS`, see Volker's manual "JACoW Proceedings Scripts" for details

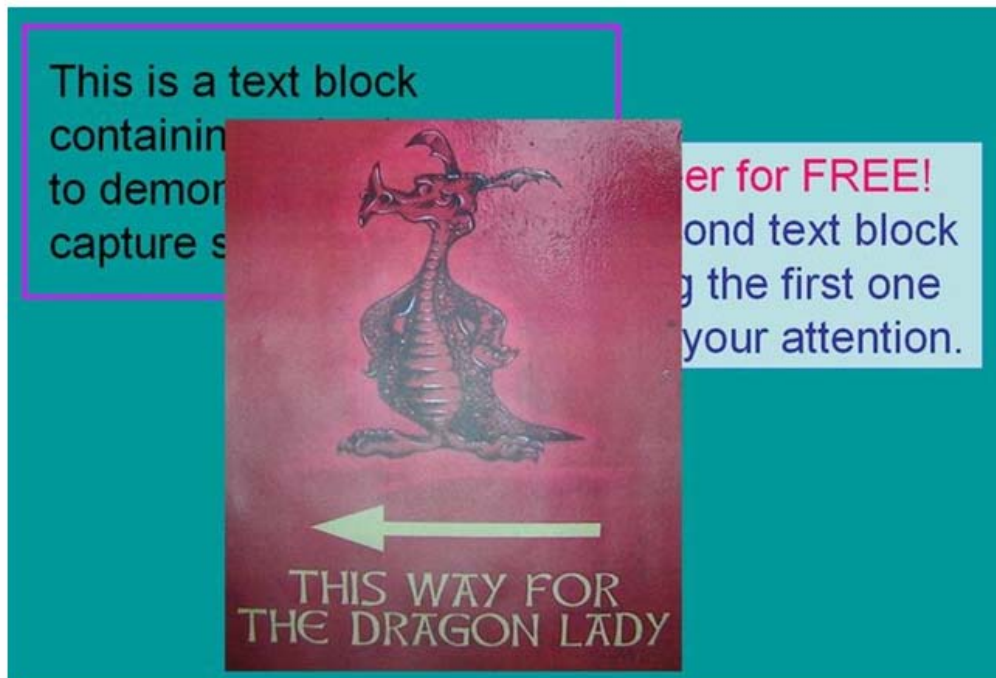
The PowerPoint “Capture Show” add-in

- ▶ nice tool to separate animated overlaps in slide presentations

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Example: Slide containing 2 overlaps will be separated automatically into 3 slides



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The PowerPoint “Capture Show” add-in

- ▶ visit the website at the given URL to download the “Capture Show” add-in

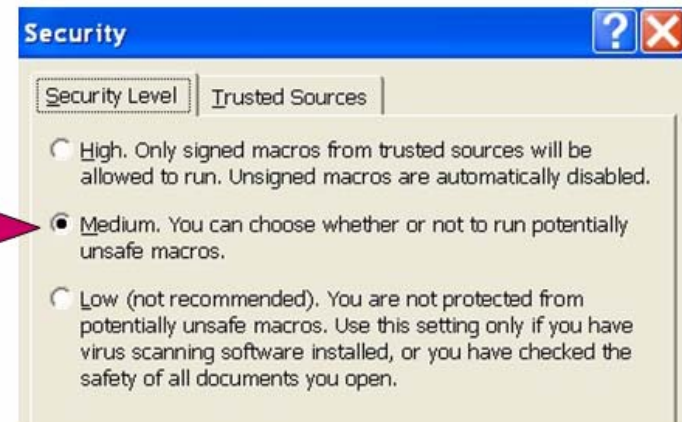
<http://skp.mvps.org/cshow.htm>

- ▶ website contains detailed description on how to install and how to use the add-in

- ▶ if you are unable to load the add-in check your macro security setting:



Tools ▶ Macro ▶ Security...

Medium security level is ok!



<http://skp.mvps.org/cshow.htm>

“Capture Show” add-in web site (screen shot)

Version supported	PowerPoint 2000 or later.
Download	Click here 
Instructions	<ol style="list-style-type: none">1. Extract the contents of the zip to a folder.2. Launch PowerPoint.3. Click on Tools Add-ins to bring up the add-ins window.4. Click on Add to bring up the 'Add New PowerPoint Add-in' dialog box.5. Navigate to the folder where the contents of the zip file was extracted and select 'capture.ppa' and click on OK.6. You might be prompted with the macro virus warning. Enable the macros. When the Add-in is properly loaded, it will display a 'X' against the add-in name.7. That's it. You have successfully loaded the add-in. Now put it to use. <p>Note: If you are unable to load the add-in check your macro security setting.</p>
Usage	<p>Click on Tools Capture Show...</p> <p>Select appropriate capture mode and output type from the dialog seen below and click on 'Begin'.</p> <p>Note: In Semi-automatic and Manual mode of capture any pen annotation can be captured by performing a right-click on the slide and selecting the 'Capture This Screen' option.</p>
Screen shot	

Important

A few hints

- ▶ After the “Capture Show” has been performed save the “new” PPT file and convert it to PDF
- ▶ In case you need to make corrections on a slide do these fixes in the PPT file before “Capture Show “ is run

Note: Afterwards PitStop cannot be used !!!

- ▶ Movies still cannot be displayed in PDF
- ▶ Check PDF slides carefully after conversion from PPT.
Look for missing fonts or characters which do not display correctly

Perils of Transparency Processing

Examples

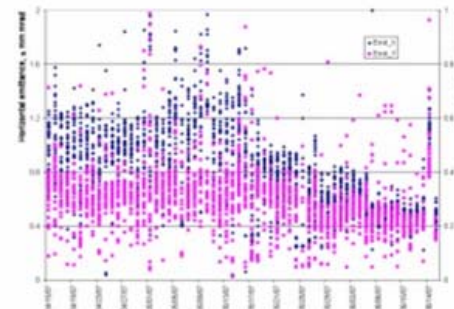
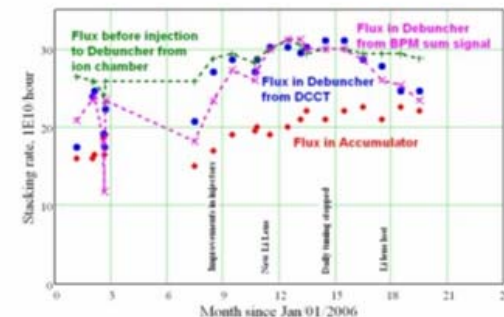
Example 1: PPT slide

f

Results

Changes:

- Slip-factor change (+15%), *verified*
- Lowering beta-functions (12% for IBS)
- Apertures $\rightarrow 15\pi$
 - 6 known locations, min = 11π
- Dispersion in straights 15cm \rightarrow 2.5cm
- PU \rightarrow KI Phase advances



COOL'07

Bad Kreuznach, September 11, 2007

V.Nagaslaev (Fermilab)

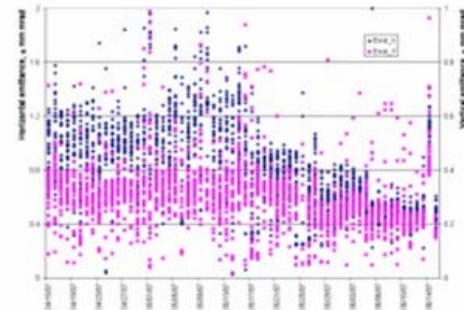
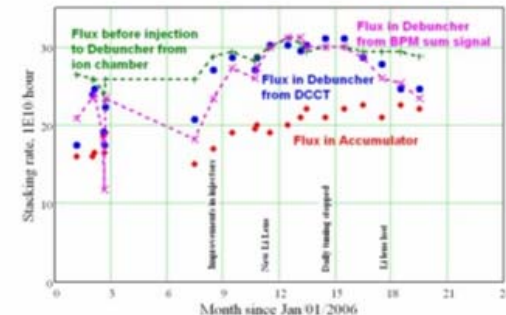
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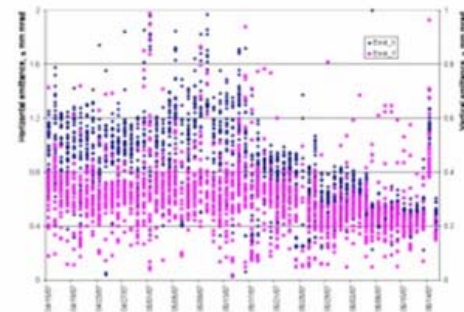
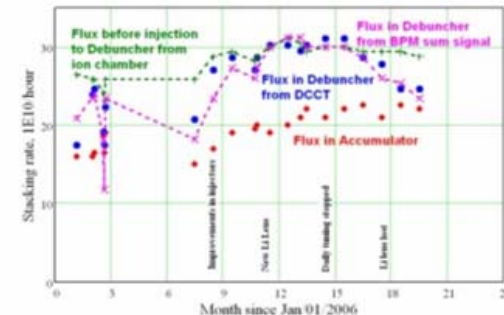


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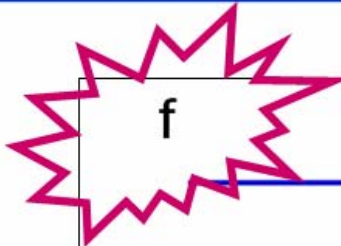


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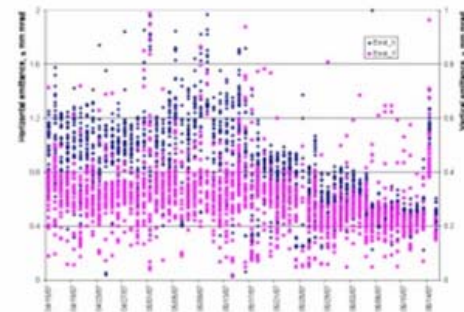
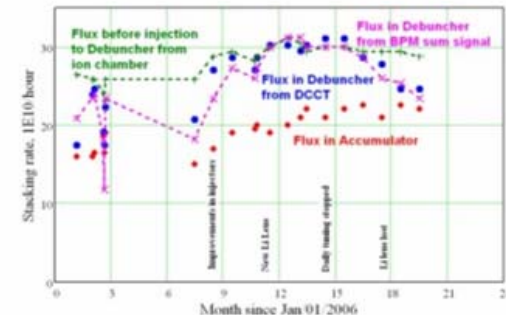
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▶ “f”
= FERMILAB
logo

COOL'07

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Example 2: PPT slide

ELECTRON COOLING STATUS AND CHARACTERIZATION AT FERMILAB'S RECYCLER

COOL'07

Workshop on beam cooling and related topics

September 10th, 2007

L.R. Prost, A. Burov, K. Carlson,
A. Shemyakin, M. Sutherland, A. Warner



Fermi National Accelerator Laboratory

Example 2: PPT slide

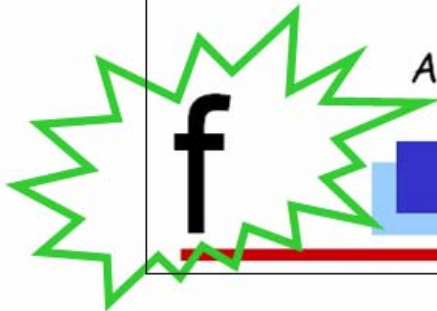
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Fermi National Accelerator Laboratory

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► “ f ”
= FERMILAB
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f


Fermi National Accelerator Laboratory

Example 3: Formula on a PPT slide

$$V_{\text{out}} = gV_{\text{in}}(1 + \epsilon V_{\text{in}}^2)$$

$$\mathbf{f} \square \mathbf{f}_1 + \mathbf{f}_2 - \mathbf{f}_3$$

Example 3: Formula on a PPT slide


$$V_{\text{out}} = gV_{\text{in}}(1 + \epsilon V_{\text{in}}^2)$$
$$\mathbf{f} = \mathbf{f}_1 + \mathbf{f}_2 - \mathbf{f}_3$$

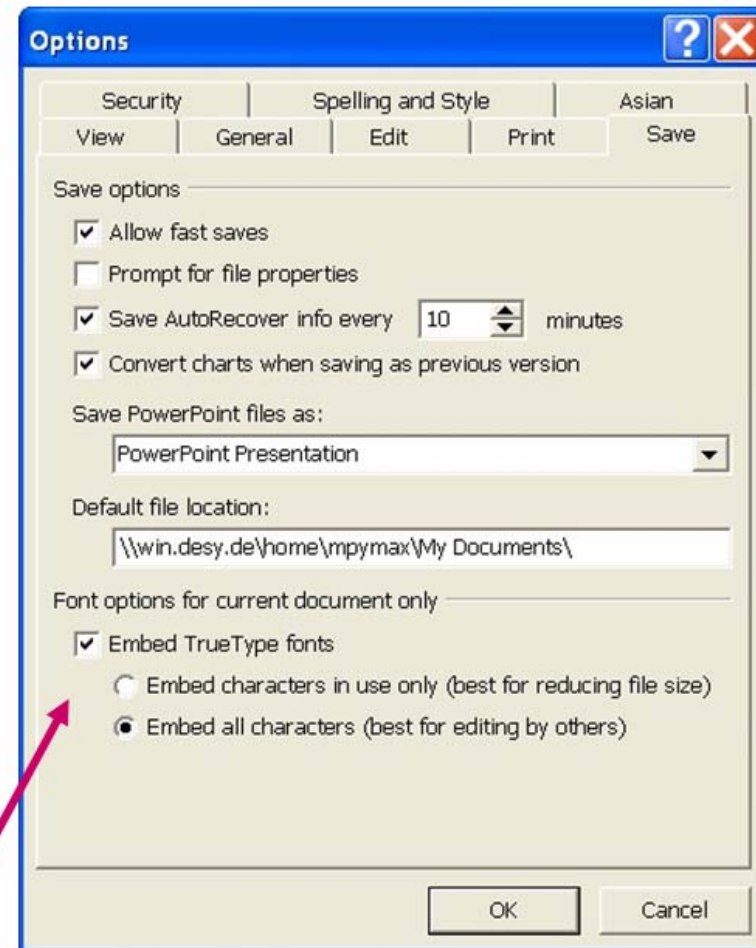
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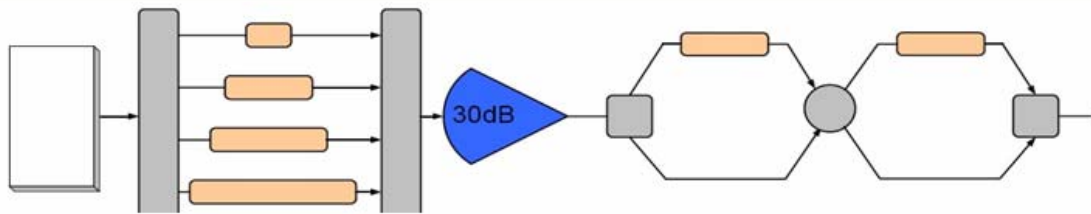
- ▶ Equal sign did not display correctly in the PPT file.
- ▶ It seems that the author did not embed all fonts.
- ▶ To **embed fonts** in PowerPoint select **Tools ▶ Options ▶ Save tab** and flag “Embed True Type fonts”



Example 4: Conversion to PDF

PDF file generated with PDFMaker:

Solution to the Coherent Line Problem

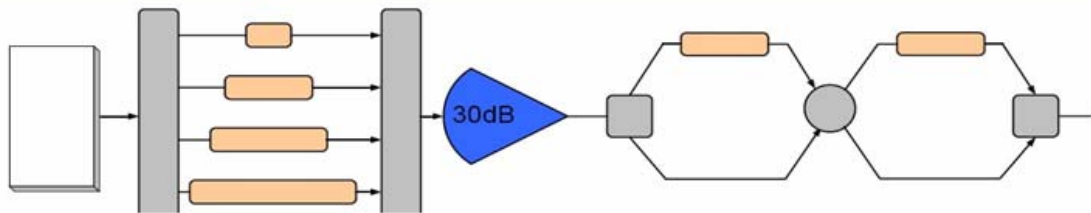


► in this case mostly all numbers disappeared ...

Example 4: Conversion to PDF

PDF file generated with PDFMaker:

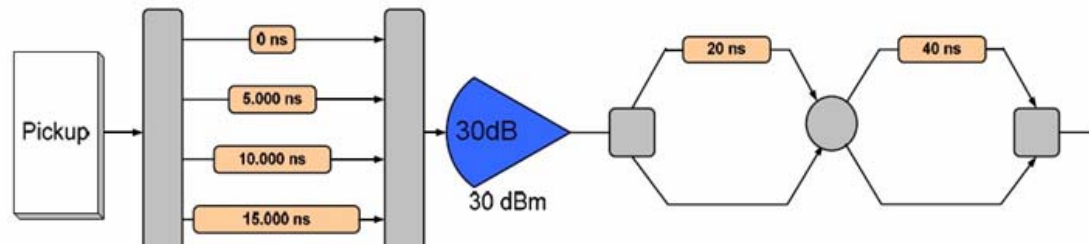
Solution to the Coherent Line Problem



► in this case mostly all numbers disappeared ...

PDF file generated with generic postscript driver:

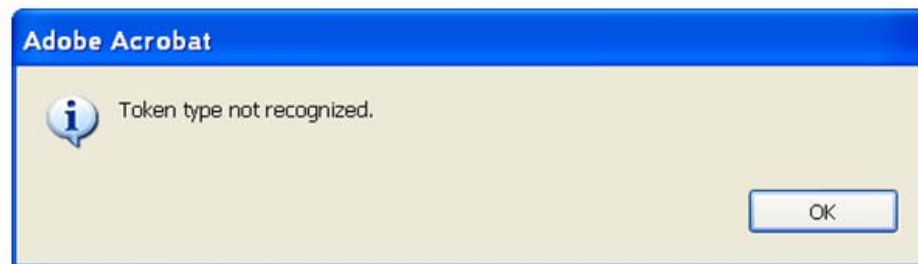
Solution to the Coherent Line Problem



► usage of the generic ps driver instead of PDFMaker solved the problem

Example 5: Macintosh PDF files

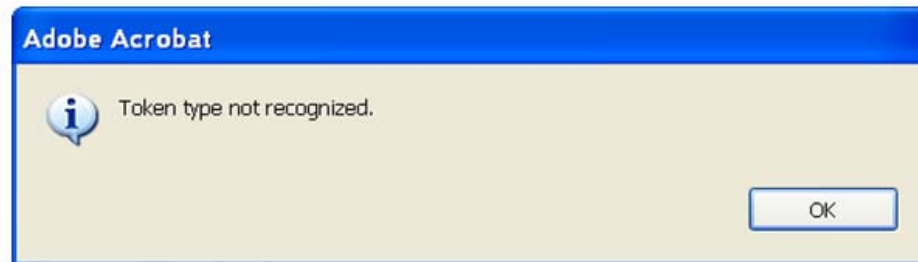
- ▶ Problem detected in a PDF file generated on a Macintosh computer:



- ▶ Things which I tried to fix, but didn't help:
 - Printed the PDF doc into a file (PS and PDF)
 - Asked Christine to save the PDF doc on her Mac and send it back
 - Googled for similar problems

Example 5: Macintosh PDF files

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- ▶ Things which I tried to fix, but didn't help:
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 - Googled for similar problems
- ▶ What helped?

Author was requested to send PPT slides – and he did



Closing Remarks – Pro's and Con's

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Pro

- Conversion of PPT files to PDF is simple

Closing Remarks – Pro's and Con's

Pro

- ▶ Conversion of PPT files to PDF is simple

Con's

- ▶ Conversion of PPT files to PDF is time consuming
- ▶ Checking the PPT and the PDF files is time consuming
- ▶ Slides cannot be processed in advance like papers
- ▶ Extra (wo)manpower is necessary to process the slides

Closing Remarks

Transparencies have been processed for the following conference and workshop series:

- DIPAC05
- FLS2006, EPAC06, FEL06, RUPAC06, ICAP06
- PAC07

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Thank you