

When the Processing Slips Learned to Move...

Healing the Media Break

Alexander Wagner
Karlsruhe, 5--9 October 2026

Overview



- > DESY Library
- > The Final Boss
- > Ingredients
- > Process
- > One Click to Rule Them All



- > **DESY = Large-scale facilities**
3000 staff, €350M/a, 90% federal / 10% state funding
Particle, synchrotron, accelerator, astroparticle physics
- > **Specialised library for the Natural Sciences**
- > 100,000 volumes (45,000 titles in catalogue)
- > <https://library.desy.de>



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HH	ZEU
005. 133	005. 133
Perl	Perl
Wal	Wal



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Founding partner of JOIN²



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The Final Boss: Processing Slip

Healing the Media Break

Bemerkungen:				
Meschede, Dieter Gerthsen Physik : 22. völlig neu bearb. Aufl. 1157 Seiten () 3540026223				
*Datum:	2025-11-07	*Lieferant:	Unknown	*KST: % (8767_x)ja
		*Preis:	0.00	
Erwerbung				
*NSK:	33226	*Signatur:	530.07 Mesch	
*Biblio-Num:	14913	*Barcode:	068021	
*DDC:	530.0712	*Exemplar:		
*Standort:	DE-H253 ☐ Hamburg ☐ XFEL-EU ☐ Zeuthen ☐ Online Library			
*Collection:	☐ Main ☐ Reference ☐ Edu ☐ FS ☐ Proceedings ☐ eBook ☐ Database ☐ Stacks			
*Katalogisat:	☐ ORCID-Holdings ☐ Katalogverknüpfungen ☐ Inhaltsverzeichnis ☐ ProQuest Link			
*Ausstattung:	☐ Zugangsnummer ☐ Barcode drucken ☐ RFID einkleben			
*Stempel:	☐ DESY (Siegel, 4x klein) ☐ XFEL-EU: nur XFEL-EU Siegel ☐ Geschenk? ☐ DESY Verlagsserie nach ZEU			
		Leserausweis vlt? ☐ Ja ☐ Nein ☐ Vormerkung eingetragen		
Katalogisierung				
☐ NSK stempel / nachtragen		050_7 Schlagworte:		
☐ 0247_ Identifier ergänzen:		☐ Popular science ☐ Textbook ☐ Education ☐ DDCTrigger		
☐ K10+ ☐ LoC		☐ 773 / 787 Band-Verknüpfungen		
☐ ISNI		☐ Gesamtinhaltsverzeichnisse		
☐ ISBN ☐ DOI		☐ 775, 785, 785 Ausgabenverknüpfung		
☐ 002 DDC 530.0712		☐ Signatur 530.07 Mesch		
☐ 003 DDC weitere		☐ 0564_u / y Inhaltsverzeichnis		
☐ 300 Beilagen		☐ Volltext anhängen		
☐ 505 Inhalt/Kapitel		☐ OpenAccess ☐ ja ☐ nein		

The Final Boss: Processing Slip

Healing the Media Break

- > Short title cataloguing (for when the slip leaves the book...)
- > Printable (on real paper...)
- > Fillable by hand (with pencil)
 - Text fields
 - Checkboxes
 - Radio buttons
 - Free space (for notes)

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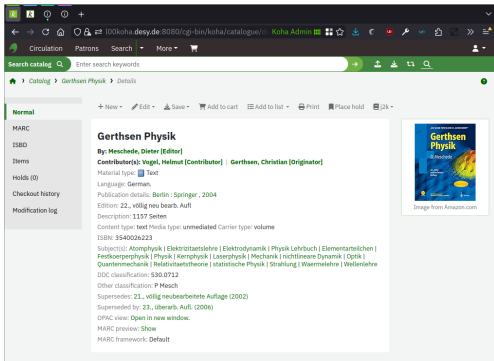
- Short title cataloguing (for when the slip leaves the book...)
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Many values already in the bibliographic record

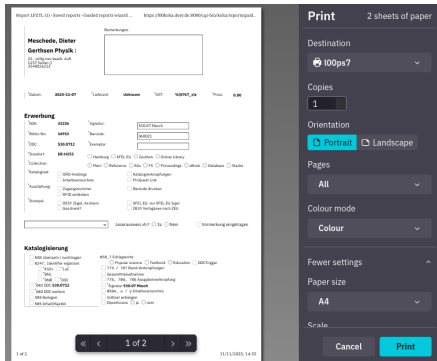
(In `JOIN2: libRichForms.py`)

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With as little manual effort as possible...



Gerthsen Physik
By: **Meschede, Dieter [Editor]**
Contributor(s): **Vogel, Helmut [Contributor]** | **Gerthsen, Christian [Originator]**
Material type: **Text**
Language: **German**
Publication details: **Berlin : Springer, 2004**
Edition: **22., völlig neu bearb. Aufl**
Description: **1197 Seiten**
Content type: **text Media type: unmediated Carrier type: volume**
ISBN: **3540026223**
Subject(s): **Atomphysik | Elektrotechnik | Elektrodynamik | Physik Lehrbuch | Elementarteilchen | Festkörperphysik | Physik | Kernphysik | Laserphysik | Mechanik | nichtlineare Dynamik | Optik | Quantenmechanik | Relativitätstheorie | statistische Physik | Strahlung | Wärmelehre | Wellenlehre**
DDC classification: **530.0712**
Other classification: **P Mesch**
Supersedes: **21., völlig neubearbeitete Auflage (2002)**
Superseded by: **23., überarb. Aufl. (2006)**
OPAC view: **Open in new window.**
MARC preview: **Show**
MARC framework: **Default**



Report Generation
Report title: **Gerthsen Physik**
Report type: **Report**
Report date: **2023-10-07**
Report status: **Unkown**
Report user: **NORMAN_AK**
Report price: **0.00**

Erwerbung
Title: **530.0712**
Author: **530.0712**
Editor: **530.0712**
Contributor: **530.0712**
Originator: **530.0712**
Language: **530.0712**
Material type: **530.0712**
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Content type: **530.0712**
Media type: **530.0712**
Carrier type: **530.0712**

Katalogisierung
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Description: **530.0712**
Content type: **530.0712**
Media type: **530.0712**
Carrier type: **530.0712**

Print 2 sheets of paper
Destination: **I00ps7**
Copies: **1**
Orientation: **Portrait** **Landscape**
Pages: **All**
Colour mode: **Colour**
Fewer settings
Paper size: **A4**
Scale: **Cancel** **Print**

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[Save](#)
[Add to cart](#)
[Add to list](#)
[Print](#)
[Place hold](#)
[2k](#)

Normal

MARC
ISBD
Items
Holds (0)
Checkout history
Modification log

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ISBN: 3540026223
Subject(s): [Atomphysik](#) | [Elektrizitätslehre](#) | [Elektrodynamik](#) | [Physik Lehrbuch](#) | [Elementarteilchen](#) | [Festkörperphysik](#) | [Physik](#) | [Kernphysik](#) | [Lasersphysik](#) | [Mechanik](#) | [Nichtlineare Dynamik](#) | [Optik](#) | [Quantenmechanik](#) | [Relativitätstheorie](#) | [statistische Physik](#) | [Strahlung](#) | [Wärmelehre](#) | [Wellenlehre](#)
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Image from Amazon.com

[illegible]

NEW 23.11

Ingredients

> 🍄 Reports (→ 🍄 Permission: 🍄 Execute SQL Report)

> 🍄 Tools / 🍄 Notices and Slips

> (🍄 Plugin)

Ingredients

- > 🍷 Reports (→ 🍷 Permission: 🍷 Execute SQL Report)
Select the data from a bibliographic record
- > 🍷 Tools / 🍷 Notices and Slips
Formatting into the processing slip
- > (🍷 Plugin)
Streamlines the process

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automatic setup

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automatic setup

But: not rocket science

You can set it up by hand too!

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Formatting into the processing slip
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automatic setup

But: not rocket science

You can set it up by hand too!

- > How do report and bibliographic record find each other?
- > Which permissions are required?
- > How is the slip built?

Report

> Data from `biblio`^{SQL}, `biblioitems`^{SQL}, `items`^{SQL} and `biblio_metadata`^{SQL}

Report

- > Data from `biblio`^{SQL}, `biblioitems`^{SQL}, `items`^{SQL} and `biblio_metadata`^{SQL}
- > Possible Basis: `barcode`^{SQL}, `biblionumber`^{SQL}
- > ExtractValue() for `special` Fields (e. g. `ddc`)

Report

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- > Possible Basis: `barcode`^{SQL}, `biblionumber`^{SQL}
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SQL

```
SELECT biblio.*, biblioitems.*, items.*,  
       ExtractValue(biblio_metadata.metadata, '//datafield[@tag="035"]/subfield[@code="a"]') AS nsk,  
       ExtractValue(biblio_metadata.metadata, '//datafield[@tag="082"]/subfield[@code="a"]') AS ddc,  
       ExtractValue(biblio_metadata.metadata, '//datafield[@tag="083"]/subfield[@code="a"]') AS oddc  
FROM items  
  LEFT JOIN biblioitems  on (items.biblioitemnumber=biblioitems.biblioitemnumber)  
  LEFT JOIN biblio       on (biblioitems.biblionumber=biblio.biblionumber)  
  LEFT JOIN biblio_metadata on (biblio_metadata.biblionumber=biblio.biblionumber)  
WHERE biblio.biblionumber IN <<Biblionumber|list>>
```

Notices and slips

- > Templates for data formatting

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 **Print**,  eMail,  SMS
- > **TemplateToolkit** for functionality
- > Category per module

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- >  23.11
Category  **Reports**
- >  24.05
Tab  **Format** for styling
(Inline CSS is also possible)

Notices and slips

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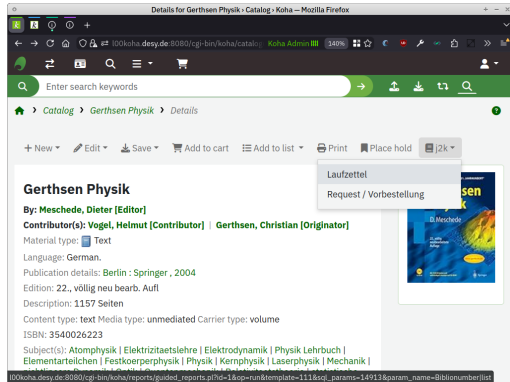
```
[%- USE KohaDates -%]  
[% FOREACH b IN data %]  
<link href="https://fonts.googleapis.com/css?family=Libre+Barcode+39+Extend  
<style> <!-- inline-css here -->  
  @media only print { <!-- ... --> }  
</style>  
<div style="background: white">  
<fieldset><table class="fullwidth">  
  <tr>  
    <td>&nbsp;</td> <td>Remarks:</td>  
  </tr>  
  <tr>  
    <td>  
      <h2>[% b.author %]</h2>  
      <h2>[% b.title %] : [% b.subtitle %]</h2>  
  
      [% b.editionstatement %]<br/>  
      [% b.pages %] ([% b.publicationyear %])<br/>  
      [% b.isbn %]  
    </td>  
    <td><textarea rows="10" cols="40"></textarea></td>  
  </tr>  
</table></fieldset>  
<fieldset><table class="fullwidth">  
  <tr>  
    <td><sup>*</sup>Date:</td><td><b>[% b.datecreated %]</b></td>  
    <td><sup>*</sup>Supplier:</td><td><b>[% b.booksellerid %]</b></td>  
    <td><sup>*</sup>Cost centre:</td><td><b>%(8767_x)s</b></td>  
    <td><sup>*</sup>Price:</td><td><b>[% b.price %]</b></td>  
  </tr>  
</table></fieldset>  
<!-- ... -->  
</div>  
[% END %]
```

Run manually

- 1  Reports
- 2  Use saved
- 3 Select Processing Slip (the report)
- 4  Run (scroll right...)
- 5 Enter Barcodes /  biblionumbers
- 6  Run the report
- 7 Result table
- 8  Run with template
- 9 Select Processing Slip (the slip)
- 10 Ctrl-P

Run manually → One Click to Rule Them All

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richforms Plugin: Prerequisites

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- > Group to filter relevant parts
- > Subgroup defines the hook used
- > Name for menu entry
- > Constructing a call URL

(Directly to the slip, JS triggers print)

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Consistent setup via
InstallKoha / UpdateKoha

Thank you!

Contact

Deutsches Elektronen-
Synchrotron DESY

www.desy.de

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 0000-0001-9846-5516
Central Library
alexander.wagner@desy.de
+49-40-8998-1758
[10.3204/PUBDB-2026-02836](https://doi.org/10.3204/PUBDB-2026-02836)



Typeset by lua^AT_EX