

JACoW Proceedings Scripts Package for SPMS and INDiCo conferences



Version for Windows OS

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Version ~~101011~~

Script version ~~V10.0~~

Documentation version ~~V10.0~~

V15.0

11/103

PROCESSING AND PUBLICATION SCRIPT ENHANCEMENTS

Processing and Publications Script Enhancements

```
# check for publishable flag
if ($pdf_file_exists) {
    $pdf_file_exists = $paper_pub[$pap];
}
```

```
if ($conference_longname) {
```

```
    <datafield tag="650" ind1="1" ind2="7">\n",
    <subfield code="a">Accelerators</subfield>\n", # Inspire subject area, should always be "Accelerators" for JACoW
    <subfield code="2">INSPIRE</subfield>\n",
    </datafield>\n",
    <datafield tag="690" ind1="0" ind2="0">\n",
    <subfield code="a">Conference Paper</subfield>\n", # Inspire collection, always "Conference Paper" for JACoW
    <subfield code="2">INSPIRE</subfield>\n",
    </datafield>\n";
    print SPIRES " nm = $conference_longname;\n";
}
(my $url_loc = $conference_url.$lc_paper_pdf) =~ s/\\.\\.\\.//;
my $INSP_Abs = convert_spec_chars ($paper_abs[$pap], "INSPIRES");
print SPIRES " REPORT-NUM = $conference_name-$paper_code[$pap];\n",
    " TITLE = $title_pap;\n",
    " DATE = $session_date[$sess];\n",
    " P = $paper_pages[$pap];\n",
    " URL = $url_loc;\n";
print INSPIRE " <datafield tag="245" ind1=" " ind2=" " >\n", # title
    <subfield code="a">$title_pap</subfield>\n",
    </datafield>\n",
    <datafield tag="520" ind1=" " ind2=" " >\n", # abstract
    <subfield code="a">$INSP_Abs</subfield>\n",
    <subfield code="9">JACoW</subfield>\n",
    </datafield>\n",
    <datafield tag="773" ind1=" " ind2=" " >\n",
    <subfield code="w">$conference_name</subfield>\n", # spires conf code, could be JACoW code (e.g. DIPAC07)
    <subfield code="c">$paper_code[$pap]</subfield>\n", # first-last page or article id
    </datafield>\n",
```

Main change

```
$par_file_exists = $paper_puo{$pap};
```

Printed version

- Last paper version V 9.2 / 04 Nov 2008
- Actual version V 15.0 / 03 Nov 2011 (192 changes since 9.2)
- Next paper version March 2012 (if you give me your snail mail address, you will get a paper version when ready)

Main enhancements

- Complete Inspire dataset
- ~1000 'special character' Unicode/HTML/TeX
- Modernized web pages
- ATC: Author and Title Check
- Collection of templates for Abstract Booklets
- Updates to keyword list
- Numerous bug fixes

Modernized Web Pages

```
>par_file_exists = >paper_puo[>pap];
```

Modernized Web Pages

- HTML5/CSS with Javascript
(conversion not complete, still frames with tables)
- Download size for Transparencies, Papers, and Posters is shown
(since we had 288 MB for Transparencies with embedded movies in PAC'11)
- Automatic hyphenation in Abstracts
- Configurable text for missing Submission
(default = "Submission not Received")
- Exclusion of specific (empty) sessions from the proceedings
(session_skip)
- HTML cleaned up



see web pages

```
"      <subfield code="w">$conference_name</subfield>\n",      # spires conf code, could be JACoW code (e.g. DIPAC07)  
"      <subfield code="c">$paper_code[$pap]</subfield>\n",      # first-last page on article id  
"    </datafield>\n",
```

Author and Title Check

Author and Title Check

- Script produces pages which combine SPMS data and final paper on one page for comparison

```
    <subfield code="a">Accelerators</subfield>\n",      # Inspire subject area, should always be "Accelerators" for JACoW
    <subfield code="2">INSPIRE</subfield>\n",
  </datafield>\n",
  <datafield tag="690" ind1="C" ind2=" " >\n",
    <subfield code="a">Conference Paper</subfield>\n", # Inspire collection, always "Conference Paper" for JACoW
    <subfield code="2">INSPIRE</subfield>\n",
  </datafield>\n";

if ($conference_longname) {
  print SPIRES " nm = $conference_longname;\n";
}

(my $url_loc = $conference_url.$lc_paper_pdf) =~ s[\.\/|/];
my $INSP_Abs = convert_spec_chars ($paper_abs[$pap], "INSPIRES");
print SPIRES " REPORT-NUM = $conference_name-$paper_code[$pap];\n",
  " TITLE = $Title_pap;\n",
  " DATE = $session_date[$sess];\n",
  " P = $paper_pages[$pap];\n",
  " URL = $url_loc;\n";

print INSPIRE " <datafield tag="245" ind1=" " ind2=" " >\n",
  " <subfield code="a">$Title_pap</subfield>\n",
  </datafield>\n",
  " <datafield tag="520" ind1=" " ind2=" " >\n",
  " <subfield code="a">$INSP_Abs</subfield>\n",
  " <subfield code="9">JACoW</subfield>\n",
  </datafield>\n",
  " <datafield tag="773" ind1=" " ind2=" " >\n",
  " <subfield code="w">$conference_name</subfield>\n",
  " <subfield code="c">$paper_code[$pap]</subfield>\n",
  </datafield>\n",
  " <subfield code="9">JACoW</subfield>\n",
  </datafield>\n";
```

Author and Title Check

Proceedings of IPAC2011, San Sebastián, Spain

WEPS010

ACCELERATION OF HIGH INTENSITY PROTON BEAMS IN THE J-PARC SYNCHROTRONS

M. Yoshii [KEK/JAEA, Ibaraki-Ken, Japan]

E. Ezura, K. Hara, K. Hasegawa, C. Ohmori, K. Takata, M. Toda [KEK, Ibaraki, Japan]

T. Minamikawa [University of Fukui, Fukui, Japan]

M. Nomura, A. Schnase, T. Shimada, F. Tamura, M. Yamamoto [JAEA/J-PARC, Tokai-mura, Japan]

ACCELERATION OF HIGH INTENSITY PROTON BEAMS IN THE J-PARC SYNCHROTRONS

M. Yoshii, E. Ezura, K. Hara, K. Hasegawa, M. Nomura, C. Ohmori, A. Schnase, T. Shimada,

A. Takagi, K. Takata, F. Tamura, M. Toda and M. Yamamoto

KEK/JAEA J-PARC Center, Tokai, Japan

T. Minamikawa¹ University of Fukui, Fukui, Japan*Abstract*

The J-PARC accelerator complex consists of the linac, the 3 GeV rapid cycling synchrotron (RCS) and the 50 GeV main synchrotron (MR). These synchrotrons are the first MW-class proton accelerators, which employ the high electric field gradient magnetic alloy (MA) loaded RF cavities. The beam commissioning was started in October 2007 for RCS and in May 2008 for MR. High intensity beam operation studies and user runs have been

to buckling causes the impedance reduction. We have improved the coating process. At present, a similar impedance drop was observed 4 times. We have replaced the damaged cores and the cores, which are likely to deform, during two summer shutdowns. The plan for the core replacement is scheduled. Impedance decrease in the MR is different from that of RCS. Since the cut core is used in the MR cavity, the possibility of buckling is low. However, because the cavities are supplied by the same

PAC07)

Abstract Booklets

```
>par_file_exists = >paper_puo[>pap];
```

Different kinds of Abstract Booklets

- DIPAC type
- IPAC type
- ICALEPCS type
- FEL type
- HB type
- ConT_EXt type
- Script to reshuffle sessions
(first all Oral session, Poster session at the end)
- Printing of Session headers in color
(color for Classification in Synoptic Table)



see examples

```
</datafield>\n",  
  <datafield tag="773" ind1="\" \" ind2="\" \">\n",  
    <subfield code="w">$conference_name</subfield>\n",      # spires conf code, could be JACoW code (e.g. DIPAC07)  
    <subfield code="c">$paper_code[$pap]</subfield>\n",      # first-last page or article id  
  </datafield>\n",
```

Paper wrapper

```
$pap_file_exists = $paper_puo{$pap};
```

Paper wrapper

- Imprint of Creative Commons Copyright notice
- Names in Unicode and from SPMS (flattened coding) for the hidden fields.

The author string

"J. Upadhyay, M. Nikolic, S. Popovic, L. Vuskovic [ODU, Norfolk, Virginia, USA] H.L. Phillips, A-M.

Valente-Feliciano [JLAB, Newport News, Virginia, USA]"

is written and displayed as

"J. Upadhyay, M. Nikolic (Nikolić), S. Popovic (Popović), L. Vuskovic (Vušković) [ODU, Norfolk, Virginia, USA] H.L. Phillips, A-M. Valente-Feliciano [JLAB, Newport News, Virginia, USA]"

```
"      <subfield code=\"$9\">JACoW</subfield>\n",  
"    </datafield>\n",  
"    <datafield tag=\"$773\" ind1=\"$\" ind2=\"$\">\n",  
"      <subfield code=\"$w\">$conference_name</subfield>\n",      # spires conf code, could be JACoW code (e.g. DIPAC07)  
"      <subfield code=\"$c\">$paper_code[$pap]</subfield>\n",      # first-last page on article id  
"    </datafield>\n",
```

Bug fixes

```
$par_file_exists = >paper_puo{>pap};
```

Bug fixes

- Updates to keyword list (from Martin/John)
- Antique bug (pre 2008) fixed in keyword list (typo in regular expression)
- (Pre 2007) bug found in sorting of Authors in Institute list
- Internet Explorer 6, 7, 8 problem found with vertical spacing (quirksmode), HTML code changed so IE will not enter this mode
- Problem with gobbling the character in front of a “"” solved
- ...

```
print INSPIRE " DATE = $session_date[$sess];\n",  
              " P = $paper_pages[$pap];\n",  
              " URL = $url_loc;\n";  
              <datafield tag="245" ind1="\" ind2="\" ">\n", # title  
              <subfield code="a">$Title_pap</subfield>\n",  
              </datafield>\n",  
              <datafield tag="520" ind1="\" ind2="\" ">\n", # abstract  
              <subfield code="a">$INSP_Abs</subfield>\n",  
              <subfield code="9">JACoW</subfield>\n",  
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              <datafield tag="773" ind1="\" ind2="\" ">\n",  
              <subfield code="w">$conference_name</subfield>\n", # spires conf code, could be JACoW code (e.g. DIPAC07)  
              <subfield code="c">$paper_code[$pap]</subfield>\n", # first-last page or article id  
              </datafield>\n",
```

```
}
$por_file_exists = $paper_puo{$pap};
}
```

A big »Thank You« to

Ronny Billen, Jan Chrin, Martin Comyn, Leif Liljeby, John Poole, and Marie Robichon for spotting errors and providing information about reproducibility.

```

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" DATE = $session_date[$sess];\n",
" P = $paper_pages[$pap];\n",
" URL = $url_loc;\n";

print INSPIRE " <datafield tag="245" ind1=" " ind2=" " ">\n",
"      <subfield code="a">$Title_pap</subfield>\n",
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"    <datafield tag="520" ind1=" " ind2=" " ">\n",
"      <subfield code="a">$INSP_Abs</subfield>\n",
"      <subfield code="9">JACoW</subfield>\n",
"    </datafield>\n",
"    <datafield tag="773" ind1=" " ind2=" " ">\n",
"      <subfield code="w">$conference_name</subfield>\n",
"      <subfield code="c">$paper_code[$pap]</subfield>\n",
"    </datafield>\n",

```