



# JACoW Mirror Web at KEK

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**presented by Akihiro Shirakawa / KEK**

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# JACoW Mirror Web

## ◆ Epaper.kek.jp

- ❖ YongHo-Chin-san and a student had originally organized the mirror site

## ◆ Present mirror at epaper.kek.jp

- ❖ Furukawa inherited the task of mirroring since April 2007
- ❖ The machine itself is managed by Chin-san
- ✧ Also considering to migrate to a server at KEK computer center

ABDW APAC COOL Cyclotrons DIPAC ECRIS EPAC FEL Icalepcs ICAP LINAC PAC PCaPAC RuPAC SRF

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<input checked="" type="checkbox"/> ALL	<input type="checkbox"/> PAC'79	<input type="checkbox"/> SRF'80	<input type="checkbox"/> PAC'81	<input type="checkbox"/> PAC'83	<input type="checkbox"/> SRF'84	<input type="checkbox"/> PAC'85
<input type="checkbox"/> PAC'87	<input type="checkbox"/> SRF'87	<input type="checkbox"/> EPAC'88	<input type="checkbox"/> PAC'89	<input type="checkbox"/> EPAC'90	<input type="checkbox"/> PAC'91	<input type="checkbox"/> LINAC'96
<input type="checkbox"/> PAC'92	<input type="checkbox"/> PAC'93	<input type="checkbox"/> PAC'94	<input type="checkbox"/> PAC'95	<input type="checkbox"/> PAC'96	<input type="checkbox"/> PAC'97	<input type="checkbox"/> PAC'98
<input type="checkbox"/> ICALEPCS'99	<input type="checkbox"/> EPAC'00	<input type="checkbox"/> LINAC'00	<input type="checkbox"/> APAC'01	<input type="checkbox"/> Cyclotrons'01	<input type="checkbox"/> DIPAC'01	<input type="checkbox"/> ICALEPCS'03
<input type="checkbox"/> ICALEPCS'04	<input type="checkbox"/> PAC'05	<input type="checkbox"/> DIPAC'05	<input type="checkbox"/> EPAC'06	<input type="checkbox"/> LINAC'02	<input type="checkbox"/> DIPAC'03	<input type="checkbox"/> ICALEPCS'05
<input type="checkbox"/> RuPAC'04	<input type="checkbox"/> PAC'05	<input type="checkbox"/> DIPAC'05	<input type="checkbox"/> FEL'05	<input type="checkbox"/> ICALEPCS'07	<input type="checkbox"/> FEL'07	<input type="checkbox"/> EPAC'06
<input type="checkbox"/> FLS'06	<input type="checkbox"/> FEL'06	<input type="checkbox"/> ABDW-HB'06	<input type="checkbox"/> LINAC'06	<input type="checkbox"/> ICAP'06	<input type="checkbox"/> RuPAC'06	<input type="checkbox"/> RuPAC'06
<input type="checkbox"/> PAC'07	<input type="checkbox"/> APAC'07	<input type="checkbox"/> COOL'07	<input type="checkbox"/> ICALEPCS'07	<input type="checkbox"/> FEL'07	<input type="checkbox"/> Cyclotrons'07	<input type="checkbox"/> Cyclotrons'07
<input type="checkbox"/> ABDW-ERL'07	<input type="checkbox"/> DIPAC'07	<input type="checkbox"/> SRF'07	<input type="checkbox"/> EPAC'08	<input type="checkbox"/> RuPAC'08	<input type="checkbox"/> PCaPAC'08	<input type="checkbox"/> PCaPAC'08
<input type="checkbox"/> e+e-Factories'08	<input type="checkbox"/> ECRIS'08	<input type="checkbox"/> FEL'08	<input type="checkbox"/> ABDW-HB'08	<input type="checkbox"/> DIPAC'09		

### Choose Search Criteria

Author(s) \_\_\_\_\_  
Title \_\_\_\_\_  
Keyword \_\_\_\_\_  
Text of paper \_\_\_\_\_

023413  
Since 01-May-2007



# Mirroring

- ◆ **Triggered by Announcement from Ronny / CERN**
  - ❖ also by Automatic monitoring of 'Updates' and 'TheConferences' pages from CERN
  - ❖ Full automatic mirroring is not considered (because of resources at the both ends)
  
- ◆ **Mirror within a week (or normally a couple of days)**
  - ❖ Sorry for the slowness
  
- ◆ **Mirror with simple scripts to absorb server differences**
  - ❖ Or with a package by Ronny or conference managers
  
- ◆ **Post modifications for local information**
  
- ◆ **Search function is carried at CERN**



## Status (as of Oct.2009.)

### ◆ Archive size

- ❖ Approximately 30GByte in total

### ◆ Access

- ❖ Receives top page accesses of 25 times a day
- ❖ Receives approximately 15000 hits per day (for whole archive)
  - ✧ Large part (>30%?) of them comes from search-engine crawlers
- ❖ Serves approximately 1.5-Gbytes per day

### ◆ Relatively stable



# Mirror Web (minor) Issues

- ✧ With some discussions with Ronny
- ❖ **File names with spaces and special characters**
  - ✧ Maintainable in the future (with other web servers)?
- ❖ **Javascript-based photo gallery**
  - ✧ Slightly tricky to build mirror
    - ◆ Unusual tools and manual handlings
  - ✧ Stable even with future browsers?
- ❖ **Large photo galleries**
  - ✧ As Ronny mentioned in the last JACoW team meeting
  - ✧ Sometimes the size of the directory comparable to that of papers
- ❖ **May need automatic mirroring (?)**
  - ✧ Brute-force mirror is bad
  - ✧ Need certain protocol between the main server and the mirror
    - ◆ Then additional mirrors become possible



# Thank you

**Please send your enhancement ideas to**

**< kazuro.furukawa @ kek.jp >**

**or to YongHo-Chin-san**

**or to Akihiro-Shirakawa-san**