

Invenio Authority Control

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First Approach: use Knowledge Bases

- use **KBA** and **KBR**
- use **BibCheck** to fix records
 - `check-field-subfield-content-via-kba`
 - `check-field-transform-subfield-content-unless-kba`
 - `check-field-replace-subfield-content-via-kbr`
 - `check-field-replace-subfield-content-strings-from-kbr`
 - `check-field-replace-field-content-via-kbrs`
- see previous presentation

Second Approach: use live records

■ use case: conference papers on CDS

PAPER:

```
001279365 037 $a arXiv:1010.3696
001279365 100 $a Teubert, Frederic $u CERN
001279365 245 $a Looking for New Physics in b-decays with LHCb
001279365 962 $n toronto20100823
```

CONFERENCE:

```
001214210 111 $g toronto20100823 $a Hadron Collider Symposium
```

■ use case: author IDs and HEPNames on INSPIRE

PAPER:

```
001113597 035 $9 arXiv $a oai:arXiv.org:1205.1016
001113597 100 $a Aad, G $i INSPIRE-00210391 $u Freiburg U.
001113597 245 $a Search for tb resonances in proton-proton
```

HEPNAMES:

```
001066085 035 $9 BAI $a G.Aad.1
001066085 100 $a Aad, Georges $g ACTIVE $q Georges Aad
001066085 693 $e CERN-LHC-ATLAS
```

Third Approach: BibAuthority (under development)

- module allows generic linking via \$0

BIBLIOGRAPHIC RECORD:

```
100 $a Doe, J $0 AUTHOR|(ORCID)123
```

AUTHORITY RECORD:

```
001 987654321
```

```
035 $a 123 $9 ORCID
```

```
035 $a 456 $9 CERN
```

```
100 $a Doe, Joseph
```

```
400 $a Doe, Joe
```

```
980 $a AUTHOR
```

- use in BibIndex: enrich list of terms to be indexed
- use in BibEdit: prevent record deletion
- use in BibFormat: display associated information
- all configurable