

#### I) Physics data representation

1. Introduce uploaded file types (events, meta information, generator-config, generator-binary, other)
2. Readjusting of physical process description
3. Introduction of plus/minus errors

#### II) Integration of MCDB API improvements with CMSSW chain

1. adoption of LHEF format with HepML 0.2 for the automatic processing of meta information
2. tracking of the necessary changes in the CMSSW development.

#### III) Storage system

1. Add file checksum inspection
  - ◆ calculation before upload to Castor
  - ◆ readjusting file information in DB
  - ◆ add support to Web-interface
2. Grid upload directly to article incoming directory on Castor
  1. provide author just a direct link to article's grid directory and allow to get file(s) from this directory using web-interface.

#### IV) Software

1. Improve installation of the MCDB software (preferrably as an RPM package) for better support and reinstallations in IT
  - ◆ distribution
  - ◆ setup scripts
  - ◆ modification of config-file parsing (use previously declared parameters in sequential ones to simplify configuration process)
  - ◆ technical description for system administrator (based on MCDB installation guide)
2. Improve mailing system
  - ◆ possibility to contact author/moderator directly from web pages of MCDB site
3. Small changes to MCDB API
  - ◆ work with different XML-parsers
  - ◆ add operations with changed data structures (processes, cuts)
  - ◆ bug fixing
4. Adopting software to use mod\_perl to speed up server response and go forward to completely production operation
5. Implement Log system of MCDB changes
6. Distribute the developed software as an OpenSource project in HepForge

#### V) Web interface

##### a) Article displaying

1. Fix styles for comments to articles (remove wide-stretch)
2. Provide context links to navigate used object detailed descriptions (generator, model, etc.)
3. Show both precise and rounded file size

##### b) Authoring interface

1. Storage of incomplete articles (with publication prohibition)
2. Support of concurrent work on articles
3. Disunite physical process information (PDF, QCD); store separate process information for each

## MCDB-TODO < LCG < TWiki

article using standard set of predefined parameters (PDF, QCD, initial and final state, etc.)

4. Support for disabling/enabling of HTML-code (entered by author) in different parts of article body
5. Implement more correct method of monitoring of file import/upload
6. Filter possible displaying groups of physics according to chosen experiment

### c) General issues

1. Reduce all frames on MCDB pages to one
2. Give more detailed error reports with further directions (for example, in case of unsuccessful authentication)
3. Automatic conversion of article to PDF document

### VI) Help and support

1. Extension of user guide and context help
2. Developers documentation on CERN TWiki

---

This topic: LCG > MCDB-TODO

Topic revision: r1 - 2007-10-10 - LevDudko



Copyright &© 2008-2021 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

or Ideas, requests, problems regarding TWiki? use Discourse or Send feedback