PLANS

1. API to collaboration software
   - API based on HepML/C++ classes (done)
     1. From MCDB server, XML representation of article and CASTOR paths to the attached files
     2. From MCDB team, C++ classes and libraries to parse the information and connect to the correct event file by the correct interface from collaboration software (based on the analysis of Generator name, event file extension and analysis of the header of event file) (Sergey, Evgeny)
   - SOAP version of API
     ◊ Provides more flexible and extendable access to MCDB (e.g. automatic uploading of article from XML file)
       https://twiki.cern.ch/twiki/bin/view/CMS/DBTaskForce
       http://xdaqwiki.cern.ch/index.php/TStore_SOAP_Service_application☞
       http://xdaqwiki.cern.ch/index.php/TStore_connect_programming_example☞
       http://xdaqwiki.cern.ch/index.php/TStore_SOAP_Service_Protocol☞
2. Documentation
   - Administrator documentation
     ◊ description of setup of MCDB in a new place, create a semi-automatic script to setup MCDB and its config files
     ◊ create test of PERL module dependencies which are required by some parts of MCDB
     ◊ description of MCDB restore from BackUP, after possible crash
     ◊ create rpm version of MCDB (spec file, to create rpm from CVS slice and scripts to setup MCDB)
   - Developer documentation
     ◊ Structure of MCDB software (perl modules and cgi scripts dscription)
     ◊ POD documentation of each perl function, use pod2html to publish it on the web
3. Improvement of web interface
   - Change interface to enter theoretical model parameters and kinematical cuts; possibility to use Latex mathematical syntax to describe the model parameters and cuts. (Lev, Sasha)
   - A possibility to save incomplete articles
   - Add a possibility to link related articles
   - Lock mechanism in concurrent access to articles
   - Optimizing of performance (some scripts are huge)
4. Add more GRID functionality to MCDB (Sergey)
   - Access via SRM protocol
     see http://egee-jra2.web.cern.ch/EGEE-JRA2/Glossary/Glossary.html#SSSSSS☞
   - Using LFN (Logical File Name), registered in LFC (LCG file catalog) to access physical file
     see http://egee-jra2.web.cern.ch/EGEE-JRA2/Glossary/Glossary.html#LLLLLLL☞
5. Log system to track activity in the LCG MCDB
6. Prepare a publication on MCDB description (done)
7. Write and publish a paper with HepML description in collaboration with CEDAR.
8. Moving location to the central IT server (done)

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