LHCb Offline Application Framework

Status
6 October 1998
P. Mato, CERN
Main Activity is Architecture design
Basic software development environment setup
User Requirements/ Use cases not completed
Progress can be followed in Web page
http://lhcb.cern.ch/computing/offline/html/TNS_Scrapbook.htm
Last Week Architecture
This week Architecture
Visualization aspects

AppManager

JobOptionsSrv

PersistencySrv

PersistencySrv

MessageSrv

EventDataSrv

PersisentySrv

DetDataSrv

DetDataSrv

DetPerstySrv

DetPerstySrv

HistPerstySrv

HistPerstySrv

HistogramSrv

GRepSrv

GRepSrv

GRepSrv

User Interface

Menu

ParPage

Frame

EventGP

EventGP

EventGP

DetectorGP

DetectorGP

DetectorGP

HistoGP

HistoGP

HistoGP

Visualization
Components

<table>
<thead>
<tr>
<th>Component</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>ApplicationManager</td>
<td>Studied, draft specifications</td>
</tr>
<tr>
<td>JobOptions service</td>
<td>Studied</td>
</tr>
<tr>
<td>Message service</td>
<td>One solution proposed</td>
</tr>
<tr>
<td>Transient Event Data</td>
<td>MonteCarlo studied in detail</td>
</tr>
<tr>
<td>Transient Detector Data</td>
<td></td>
</tr>
<tr>
<td>Algorithm factory</td>
<td></td>
</tr>
<tr>
<td>Algorithm interface</td>
<td>Studied. Clear progress.</td>
</tr>
<tr>
<td>Event Data service</td>
<td>Studied.</td>
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<tr>
<td>Detector Data service</td>
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<tr>
<td>Histogram service</td>
<td></td>
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<tr>
<td>Visualization</td>
<td>Contacts with experts</td>
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</table>