Flight I&T Support
As the CCB Turns
April 7, 2005
Concerns about Recon ROOT File Size
Leon did a test run TKR-Only (recon/digi ratio: 29.8) and suspects PatRec contributes the most
Would like to try Double32_t

Tower A (that is, a real CAL + TKR tower) is in the grid; tower B may be in by tomorrow. Data
taking in this configuration is expected on Tuesday. It will include the new 32-bit event
counter (supported by LATTE 4.8).
Which one is Anders?

- System Tests…SVAC wants to know Who handles support while Julie is away? We have a write-up:
  
  http://confluence.slac.stanford.edu/display/SYSTEST/System+test+overview+and+instructions

- SVAC is working on upgrades to system tests…and would like to modify the histograms and runs.
  - After conferring with Julie – it sounds like these things would be on hold until May.
Multi-Tower Calibrations

yea..I think Anders is most like Kyle too

- **CAL:**
  - Have generated two tower calibration files and uploaded them to the database. (David S.)
  - Zach working on getting CalRecon to be able to handle them. Specifically CalXtalResponseSvc to use towerId.

- **TKR:**
  - "Gleam currently eats multi-tower tracker calibration files."
  - Hiro is working on generating the two tower calibration files.
  - New tag of calibGenTKR will be necessary
  - Leon is working on muon scale and an update to TkrTotSvc
SVAC would like to have a single contact person per subsystems (CAL, TKR) for calibrations. This person's responsibilities will include:

- Make calibrations files
- Validate the calibration files
- Upload the calibrations to the database
- Make sure there are valid calibrations in the database for all appropriate data taking configurations (for all data processed in the pipeline)
- Make sure the calibration files can be read into (Tkr/Cal)Recon and used correctly

For CAL we already have David Smith doing this work (and excellently!).

For TKR we currently have a trio of persons that each does a part. We are hereby asking for a single TKR contact person.
Latest EM tag: v4r060302p10
- Based on GR v6r3p2..sort of..
- System Tests underway
- Request to CCB has been submitted – and Show & Tell at IA meeting tomorrow

Fixes and Upgrades
- AnalysisNtuple – fix GltTowerX and Y
- RootIo – set MaxTreeSize, and handle new 32 bit evt #
- LdfReader, LdfConverter, IExternal/LdfExt – upgrade to LDF v05-06-01 which includes new 32 bit event number, also eat LDF event by event
- CalibSvc, CalibData – charge scale calibration
- Trigger – handle 2 types of TriRowBits
- digiRootData – TriRowBits and 32 bit evt #
<table>
<thead>
<tr>
<th>What</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Error bits: OR for TEM, trgParityError, and packet error</td>
<td>DONE</td>
</tr>
<tr>
<td>Handle full Error Contribution</td>
<td>Coming soon</td>
</tr>
<tr>
<td>New CAL code</td>
<td>DONE</td>
</tr>
<tr>
<td>Update IdfReader with more error checking</td>
<td>Somewhat done</td>
</tr>
<tr>
<td>New 32 bit Event Id</td>
<td>DONE</td>
</tr>
<tr>
<td>Update IdfReader to avoid consuming full LDF for processing</td>
<td>DONE</td>
</tr>
<tr>
<td>UDF handling</td>
<td>Thinking about processing</td>
</tr>
</tbody>
</table>
## Schedule

<table>
<thead>
<tr>
<th>TAG</th>
<th>Description</th>
<th>When?</th>
</tr>
</thead>
<tbody>
<tr>
<td>v4r060302p6</td>
<td>Fix up diagnostics and 4 bumps in CAL</td>
<td>Released</td>
</tr>
<tr>
<td>v4r060302p8</td>
<td>Bunch O'Fixes</td>
<td>Released</td>
</tr>
<tr>
<td>v4r060302p10</td>
<td>LDF v05-06-01 Bunch O'Fixes Charge Scale calibration</td>
<td>Coming Soon – today?</td>
</tr>
<tr>
<td>v4r0606</td>
<td>Error Contribution</td>
<td>soon</td>
</tr>
</tbody>
</table>
CAL Update

See CAL Report
TKR Update

See TKR Report
As of last Thursday there were bugs in the charge scale calibration to be stamped out, and they all were, as far as I can tell. Relevant packages were tagged and incorporated into EM as of p9.

Highest priority item now is upgrade for rdbGUI.
Pipeline

- Ask someone who knows!