

PR with new Kanga Output

Teela Pulliam

CM2 oversight meeting, 26 June 2003

Overview:

- Tests have started, first at slac now in Padova.
- Workshop in Lyon helped to clarify and plan tests.
- Looking at my talk on 4 March, about 2 weeks behind schedule, mainly due to 12 series reprocessing problems.

Current PR Activities

Finish 12series Reprocessing:

- Had thought Run1/2 reprocessing would be done end of March, should finish by next week, unless other problems found.
- **Run3 (cleanup)** reprocessing will run into **July**.
- Many problems that needed custom fixes.
- Need check/decision from physics about some Run1/2/3 samples that might need redoing for better consistency.
- **Consistent 12series sample** important especially since **no preprocessing with 14series** but some fixes can be done in new skimming on mini.

ER pass of new data in Padova.

- development and testing **started early June** (original plan mid May to mid June).
- most pieces in place, need **testing and protocol** decisions.
- hope to deploy most of system (in test mode) **before end of run** (next week)
- Martino now working on this full time in Padova.
- need to understand latency, able to deliver data to slac **within 24 hours** of data taking?
- need to be ready to turn on this way in September
- All tests on hold for a few days to do some **emergency re-re-reprocessing.**

Moving PR to new Kanga Production

- **Tests started** at (slac then) Padova in (early) June.
- Some **CS development** still needed, elven write locally, add merge etc modules.
- Check-pointing implemented (changes to LM - Sridhara) needs more testing.
- Still needed:
 - **Merge** application (soon)
 - Need to define **RFI (Root File Integrity)** check.
 - understand **failure modes**, recovery from elf crashes etc.
 - Modification of **data export tools**,integrating export bookkeeping with PR internal bookkeeping (Padova).
 - new Kanga **data import tools** (Slac - Artem)
- plan for full path tests, i.e. production, merge, RFI, export by middle July.

other things during shut-down

- Still **fine tuning of CS**, adding statistics collection, monitoring improving user interface.
- Need to **integrate QA** into CS, add automatic strip-chart (root-tree) generation, QA bookkeeping added to PR tables.
- Need to **review/cleanup PR internal bookkeeping**, add lumi, QA, export.
- Work with **bookkeeping** group on how to interface to new system.
- **DOCUMENTATION! CS, CDB, general procedures.** Need to learn from and pass on knowledge of problems/mistakes encountered this year.

Run4 is just around the corner...

- Need to understand what tasks can realistically be finished during shut-down, what will last into Run4, this will determine the **level of support needed for Run4**.
- Need to workout **shifter plan** to manage both Padova and SLAC. 3 managers, two at slac one in Padova?
- Understand what kind of other **external support** is needed for new Kanga system.
- Plan to do **continuous tests** with new Kanga during shut-down to flush out problems and define procedures before Run4 starts.