

Run9 Resources From CCJ

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CCJ Issues for Run9

- This information is extracted from an email exchange between Yuji Goto and the Satoshi Yokkaichi (RIKEN/CCJ).
- CCJ (RSCC) is planning for Run9 reconstruction of PHENIX data.
- There seem to be **2 main issues** here:
 - 1) Will we have enough resources in the time leading up to the production to test and perfect procedures?
 - 2) Will we have enough resources when the production starts (~ 2 weeks after data taking) to process the data in a timely fashion?
- Resources = HPSS, CPU, HD space, etc.

What Resources are Available at CCJ

- **NOW:** 128 CPUs (Xeon 3.06GHz) w/ 2GB Memory.
 - Corollary: the reason nodes cannot be slid around easily is that the rest of the RIKEN facility does not run the same OS as RCF.
- **Before/Start Run9:** Same as now (testing?).
 - Tough to get increase in CPU before RSCC-I shuts down.
- **After Summer/2009:** RSCC-II (upgrade of HPSS, CPU)
 - 1) Dual boot nodes (in order to switch them between CCJ and main pool quickly).
 - 2) Port the PHENIX reconstruction software to the standard RSCC Linux variant. (seem painful)
 - 3) Xen virtual machines user picks his OS when job launches. (my suggestion).

We can get up to 1000 more CPU this way!

Conclusions/Questions

- We will have some (same as now) resources available before Run9 as RSCC-I is shutting down.
- Not clear to me that we will have full resources available when we are ready to process the data.
- Can we limp along with what we have now until the summer when RSCC-II comes in?
- Can we leverage more nodes in RSCC-II?
- I am in process of becoming a RIKEN collaborator.