

February 2004



Slice Test & TestBeam Planning



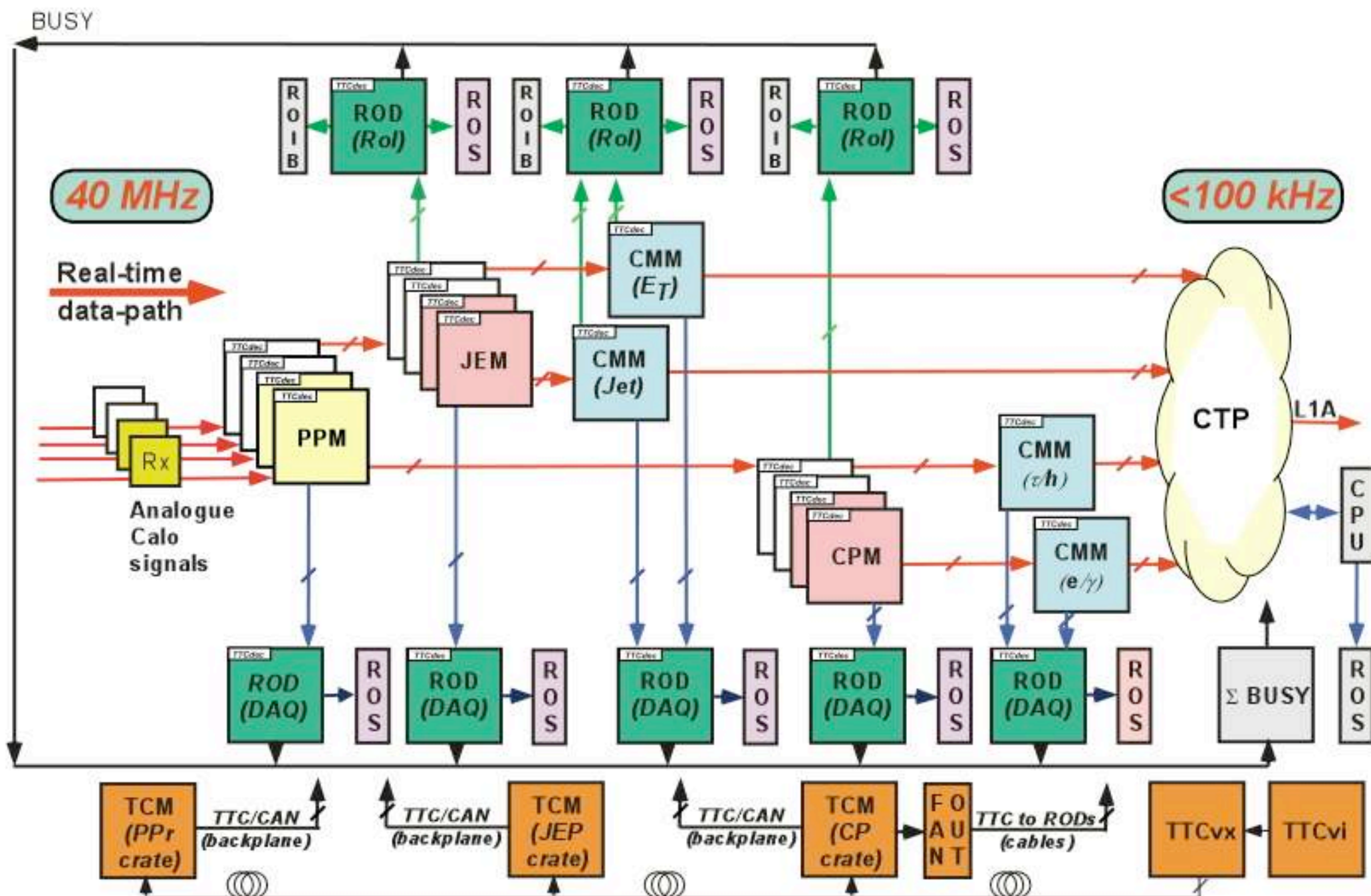
C .N .P .Gee
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Credits

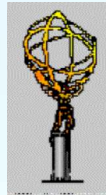


A HUGE amount of work from many people is going into lab tests and software for lab tests. There is also quite a lot of travelling and quite a lot of late evenings.

Calorimeter Trigger - 2004 Beam Test Configuration



Status of Interface tests (6 Feb 04)



	PPM	CPM	JEM	CMM	ROD	TTC	CTPD
PPM					Red	Red	
CPM	Red	Green dotted		Yellow-Green	Yellow-Green	Yellow-Green	
JEM	Yellow		Green dotted	Yellow-Green	Yellow-Green	Yellow-Green	
CMM				Yellow	Yellow	Yellow-Green	Red

Testing Sequence



- **Sequence of transitions**
 - > Individual module tests
 - > Groups of Modules
 - > **Systematic test coverage**
 - > Beam Test + near-beam tests
 - > Tests complete!! Design, PRRs, etc.
- **How do we know when the slice test is “Complete”?**
- **Systematic Test coverage: We will need a checklist of system tests**
 - To check macroscopic behaviour. Parameters: L1A rate; NSlices; Daq+RoI; Vectors; Errors; link multiplexing on/off; soaktest; etc.
 - *Tests may well reveal further problems to fix.*

Current and Future needs



- **Definition of 9U formats**
 - Update 6U formats to match. Discuss!!
- **Use of Multi-step runs for timing (precursor for calibration)**
- **Analysis of built events -> Histograms. Also leads into calibration.**
 - All sorts of questions of detail. Subgroup starting to look at ideas.
- **Timing calibration software.**
 - Some exists for single-crate timing. Nothing yet for multi-crate.
- **Status collection and presentation.**

Testbeam starts 1 September.



- **Installation should start in August 2004. 6 months away.**
- **Continue discussion on beam test people/schedule/equipment in HD and in phone meetings to CERN,**
- **Move to RodCrateDaq?**
- **Decision on which database(s) to store our calibration and connectivity.**
- **“Offline” Test beam analysis code (e.g. comparisons with Calorimeter signals).**
- **Common trigger menu with CTP**
- **Energy calibration with Lar/Tilecal – (a) Common runs, (b) Calculations**