Readout Electronics in HEC/EMEC Combined Run

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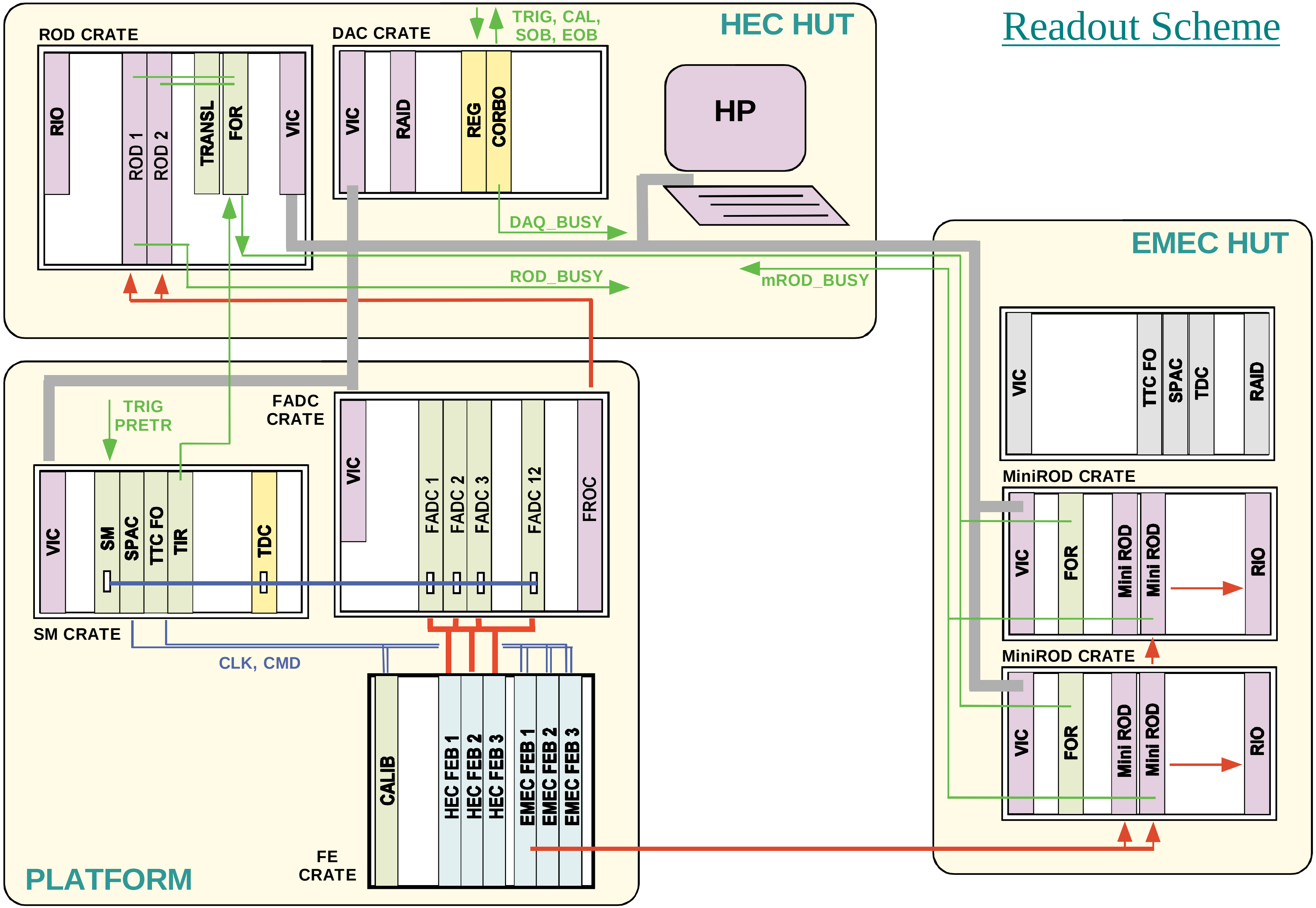
- Readout scheme
- Changes wrt TB readout
- ROD tests
- Activity in 2001

Readout Scheme

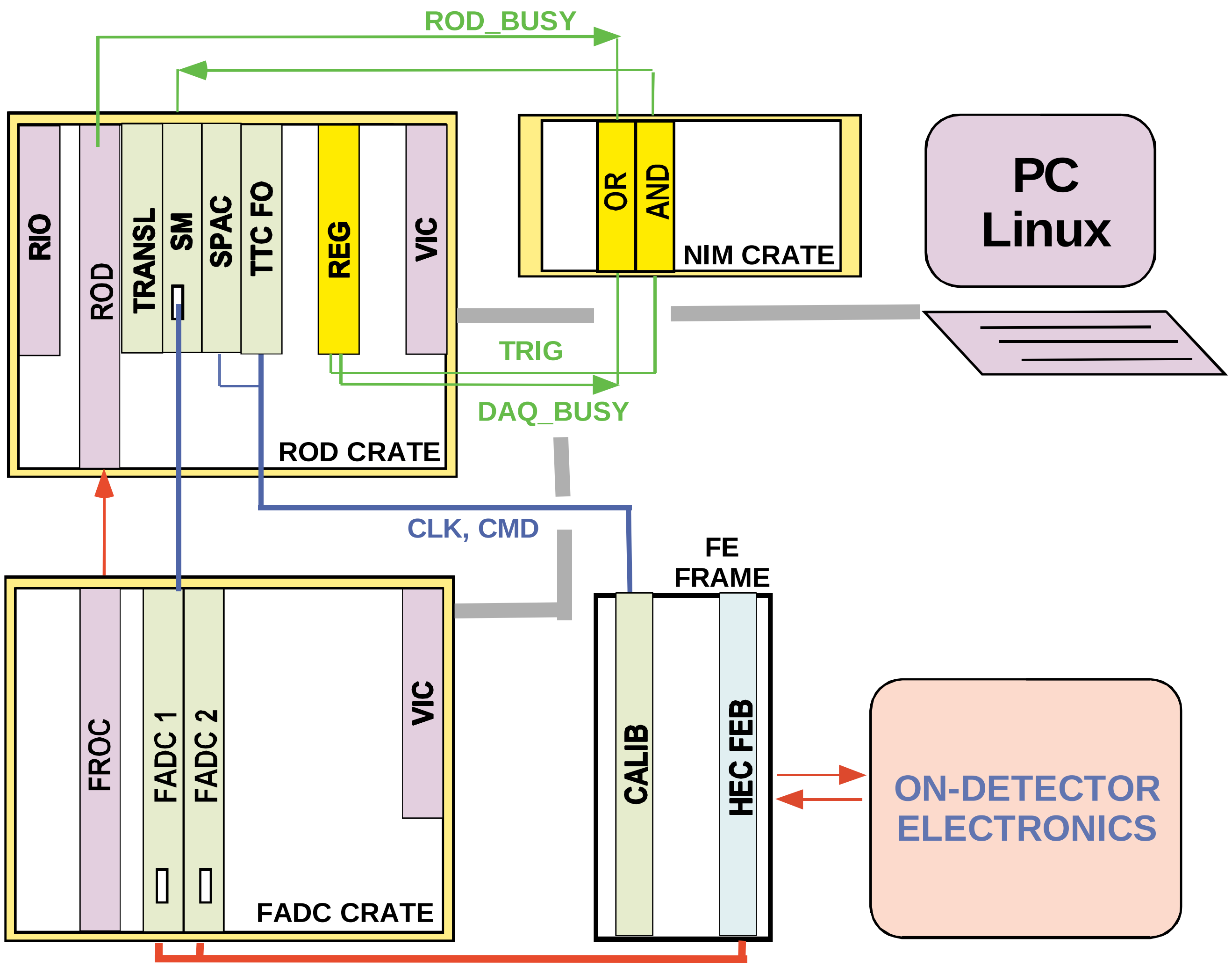


Changes wrt Test Beam Readout

- New FEC with cooling system
- New calibration board
- More calibration generators
- Internal delay scan
- For HEC we plan to use 3 FEB_0 instead of FEB_-1 (back up solution: FEB_-1, FADC, FROG)
- 3 additional FEB_0 for EMEC part
- In the case of back up solution: FROG module in FADC crate
- VME TTC system in addition to service module
- ROD system for HEC
- Existing miniROD system for EMEC
- ROD Busy logics

ROD tests

- MPI participates in LARG ROD project
- Within this project we built up test setup at MPI for ROD studies
- Equivalent to HEC part of CR readout chain
- Place for SW developments, gain experience with HW



Activities in 2001

July-Aug	Tests of ROD system at MPI Calibration steering SW Finalize DAQ
Mid Aug	Install ROD system at CERN Functional tests
Sept (TB4)	Dedicated calibration runs Dedicated physics runs
Oct-Nov	TB data analysis Systematic ROD studies at MPI
Nov-Dec	Install full HEC ROD system at CERN DAQ for CR Final calibration steering Equip and test 3 FEB_0
Dec-Jan	Technical combined run