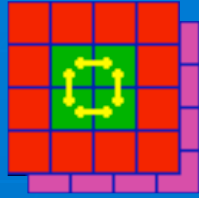


# Computing, Software and Testing

*A few comments on status and  
direction*

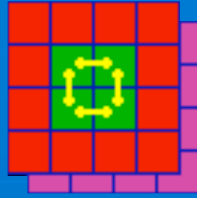
*At what inaudible summons, at what gentle touch of  
Nature, are all these sleepers thus recalled in the same  
hour to life?*



# Overview



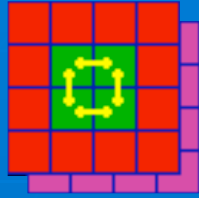
- The OS Saga
- ROS and all that
- Bringing it all together
- Are we going where we want to be?



# The O/S Saga



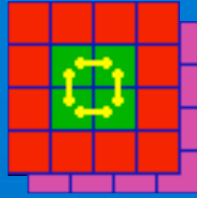
- Promises of RH 7.3:
  - At RAL:
    - Have finally moved to CERN RH 7.3 Linux
      - Diskless (now DHCP) and server setup accomplished for Mainz/Birmingham visit, along with rationalised tree containing external packages:
        - Java, QT, QWT
        - GCC 2.95 and 3.2.1
        - Dataflow 00-04-00 (contains VME drivers)
        - Online V 19
      - M.L. has adapted l1calo environment & online dependent s/w.
  - At Birmingham and Mainz:
    - Suggest cloning and distribution this week.
- Next CLUG (27 May) will discuss migration strategy ...



# ROS and all that



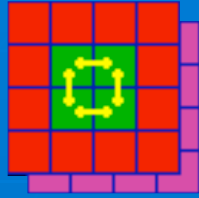
- Recent code:
  - Imported.
  - Drivers compiled.
    - Required to match system symbols
  - But time to make it run ...
  
- New h/w
  - Must order:
    - FILAR and HOLA. Host PC.



# Bringing it all together



- Much Code is maturing quickly
  - Individual “kicker with run-control” paradigm.
  - Advanced simulation, run-control, calibration and module services ...
  - But:
    - Need to solidify integration
      - Moving away from kickers
      - Using test readers, writers, simulation everywhere.
      - With readout through ROS.
      - Analysis through services like event-dump.
    - There is a lot to do.



# Are we going where we want to be?



- Really it is time for a strategy review to:
  - Itemise the list
  - Determine the critical path/items.
  - Synchronise these demands with the evolution of slice testing.
  - Understand how we will, within 9-12 months, achieve complete:
    - s/w functionality.
    - Individual nitty-gritty tests with prototype beta (alpha) firmware equipped single modules.
    - Elegant full slice tests with mature s/w and stable firmware.