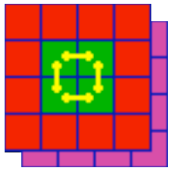
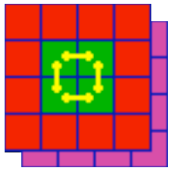


Calorimeter interfaces (1)

- Input connectivity documentation
  - Tables by Steve and Murrough give full detail
  - Some explanatory text is needed
  - Document should be checked by someone else
  - Target date for completion was April 2002

Calorimeter Interfaces (2)

- Long cables from TileCal to USA15
  - We decided to combine our signals with signals for muon trigger, so that cables now have 16 pairs like the LAr ones
  - They should be purchased soon, from the same company and to the same specification as the LAr ones
  - Only remaining technical issue is the length
  - If TileCal wants to try to find a cheaper supplier, perhaps we should simply pay for them ourselves (share with muons?)

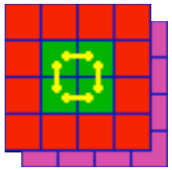


Calorimeter interfaces (3)

- TileCal receiver specification
  - Needed so that Pittsburgh can get DoE approval to build them (and necessary in any case!)
  - Eric started on it during summer, but has not got very far
  - Main open question is input coupling
  - Will resume soon, in collaboration with Tony

Calorimeter Interfaces (4)

- TileCal receiver variable-gain amplifiers
  - Have just been informed by Bill Cleland that the chips used for LAr receivers are out of production but still obtainable
    - CLC522AJE: ComLinear, now part of National Semiconductor
  - Almost certainly want to use the same ones for TileCal
  - Need to buy about 2500 (2048 + spares) as quickly as possible
    - Just over $6 per chip, so about £10k+



Calorimeter interfaces (5)

- **Tests with calorimeters**
  - **We plan extensive tests with calorimeters in 2004**
  - **Nick suggests some small-scale tests in 2003**
    - **Would only involve our front-end electronics**
    - **Must not significantly distract from slice tests**
    - **Main aim would be to check that there are no 'misunderstandings', e.g. amplitude, shape, polarity, connectors, ...**