PIXEL SCHEDULE

- The new baseline schedule for the pixels just meets the requirements of the Inner Detector master schedule.
- Critical path concerns:-
  - Front end electronics.
- Mechanics- concerns:-
  - Cooling decision required - June 2000
  - Services routes inside thermal enclosure.
  - B layer installation - access.
  - Grounding and shielding.

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INNER DETECTOR INTERFACES TO THE PIXEL DETECTOR

- PIXEL to SCT barrel interface - envelopes agreed - detail design progressing.
- Pixel to beam pipe interface - not fixed until beam pipe review in May. 3 or 5 supports decision.
- PIXEL to SCT end-cap interface - envelopes proposed but not yet agreed.
- Services including the cooling routes to racks at the layout stage - very complex integration issue within the Inner Detector and with other sub-systems. Full size model to be built.
- Integrated survey/alignment plan with rest of the Inner Detector/ATLAS to be fully developed.
- Basic installation scheme for Barrel Inner Detector exists.

SERVICES MODEL

- The complexity of the Inner Detector services, and their inter-action with other systems in a very cramped environment, has now reached a stage where a full size model of regions which have an impact on the Inner Detector has to be made.
- This model is now in production.
- 3D CAD modelling is just not sufficient
- Funding from CERN and systems is required.
- Other systems (muons, liquid argon, tiles) have joined and will contribute to the model.
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INNER DETECTOR INTERFACES TO THE PIXEL DETECTOR

- Installation scheme of the ‘B’ layer to be fully developed.
- This has an impact:-
  - Polymoderator design and manufacture.
  - Beam pipe supports
  - ‘B’ layer access for assembly onto beam pipe.
  - Which end ‘B’ layer services exit cryostat.

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