

# The sid02 Tracker

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# sid02

- The silicon detector geometry description needs to be updated for the LOI studies.

sid01 → sid02

- The proposed tracker for sid02 is the same as that used in sid01.
- A compact.xml description for sid02 incorporating changes requested for the hadron calorimeters, muon system, and far forward systems, has been committed to cvs.

# Change Request

- I would like to request that the strawman technology for the forward, low-angle tracking stations within the vertex support tube be changed from stereo layers of silicon microstrip to silicon pixels.
- I had hoped that the studies motivating this would have been done by now, but, failing that, I would appeal to your intuition that the hit occupancies and the amount of material in this region almost require pixel readout.



# Changes

- Proposing the simplest change possible, i.e. simply removing the second layer of silicon at each measurement station.
- No thinning of support, no change in readout.
- Nick has already released code which allows pixel digitization for these disks.
  - Have tested this and works fine.