

Report on forward pixel 2007 run preparation

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Forward Pixel DCS meeting



Cold box needs

Cold box

- Designed to hold half service cylinder
- Will be used to test 2 half disks of pixels at temperatures down to -20°C
- Will have capability to cool Al thermal shield separate from pixel cooling
- Probably have 1 at Fermilab and ≥ 1 at CERN

Initial thoughts on sensor requirements

- ~ 4 temperature sensors
- ~ 4 humidity sensors
- ~ 4 flow sensors for pixel cooling
- ~ 2 flow sensors for thermal shield cooling
- ~ 2 pressure sensors for pixel cooling
- ~ 2 pressure sensors for thermal shield cooling