

Status of ladder and plane integration

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Tracker splinter meeting

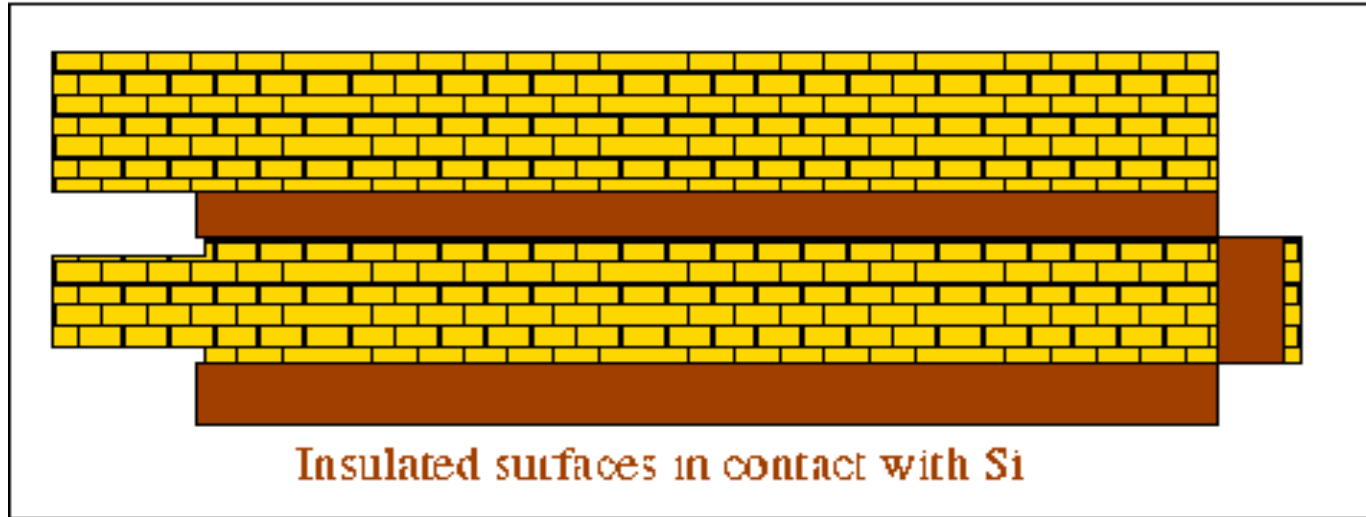
- Status of ladders integration
- Problems with shieldings
- Remarks on cables

Status of ladder integration

with 1/2-time technician

- Last layer (*plane 1*) is in progress
- 3 (/30) shielded ladders installed on plane
- 1 shielded ladder with shielding problem
- 26 ladders ready to be shielded
- 3 ladders in *phase 2*
- All ladders are in UniG
- If no surprises, plane ready mid-december 06

Problems with shieldings

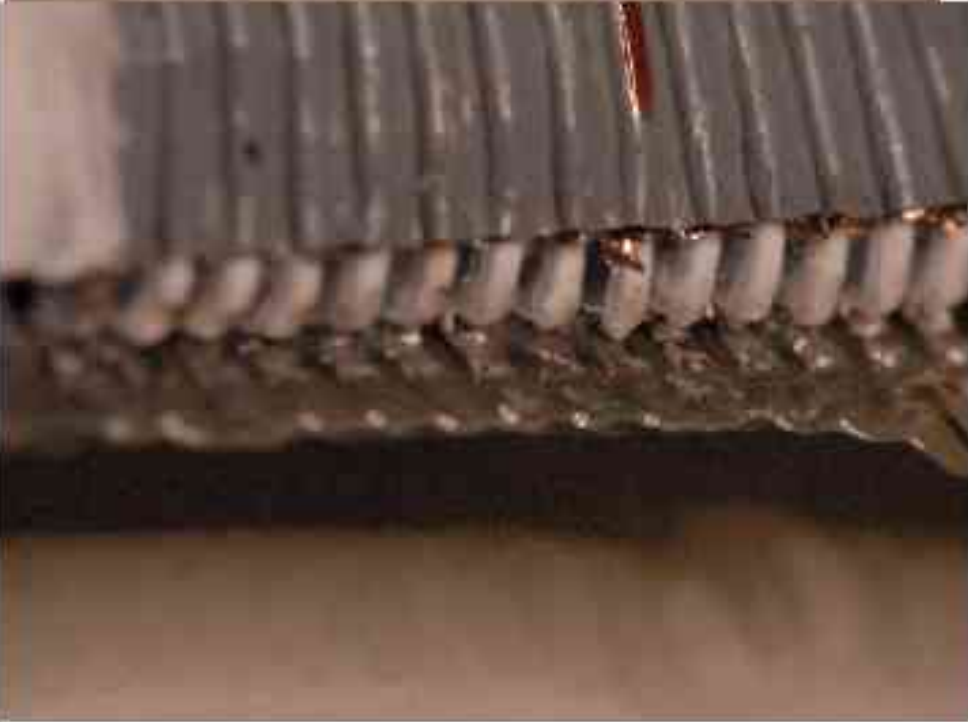


- Shorts circuits ($\sim 100\text{-}200\text{ }\mu\text{A}$) appeared after shielding for two series.
- Some conductivity was detected between upilex surfaces and metalization.
- Ok after cleaning. (Water, Alcool, Aceton)
- Direct contacts with CICOREL:
 - They recognized that some electrolyte can remain after cleaning.
 - They suggest to clean it with water only, if possible.
- Series: SN11N27-31 (sep03), SN15U03-13 (sep04)

Remarks and problems about cables

- Two problems detected before pre-installation tests. Send to G&A for repair, two other cables (prototypes with problems) returned.
- Other problems were detected during the cabling (connexion test)
 - in particular a short between non adjacent pin or lines (PCB problem) not detectable by the standard pre-installation tests.
- Flight spare cables used: 2 K-types, 1 S-type. (longer)
- Unused spare cables left: 5 S-type (2.7 m long, usable for K)
- Reparation of damaged cables can be envisaged if PCBs are available.

Example of intermittent short circuit with shield.



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