



# Tests of sensor gluing at Ioannina

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P. Kokkas

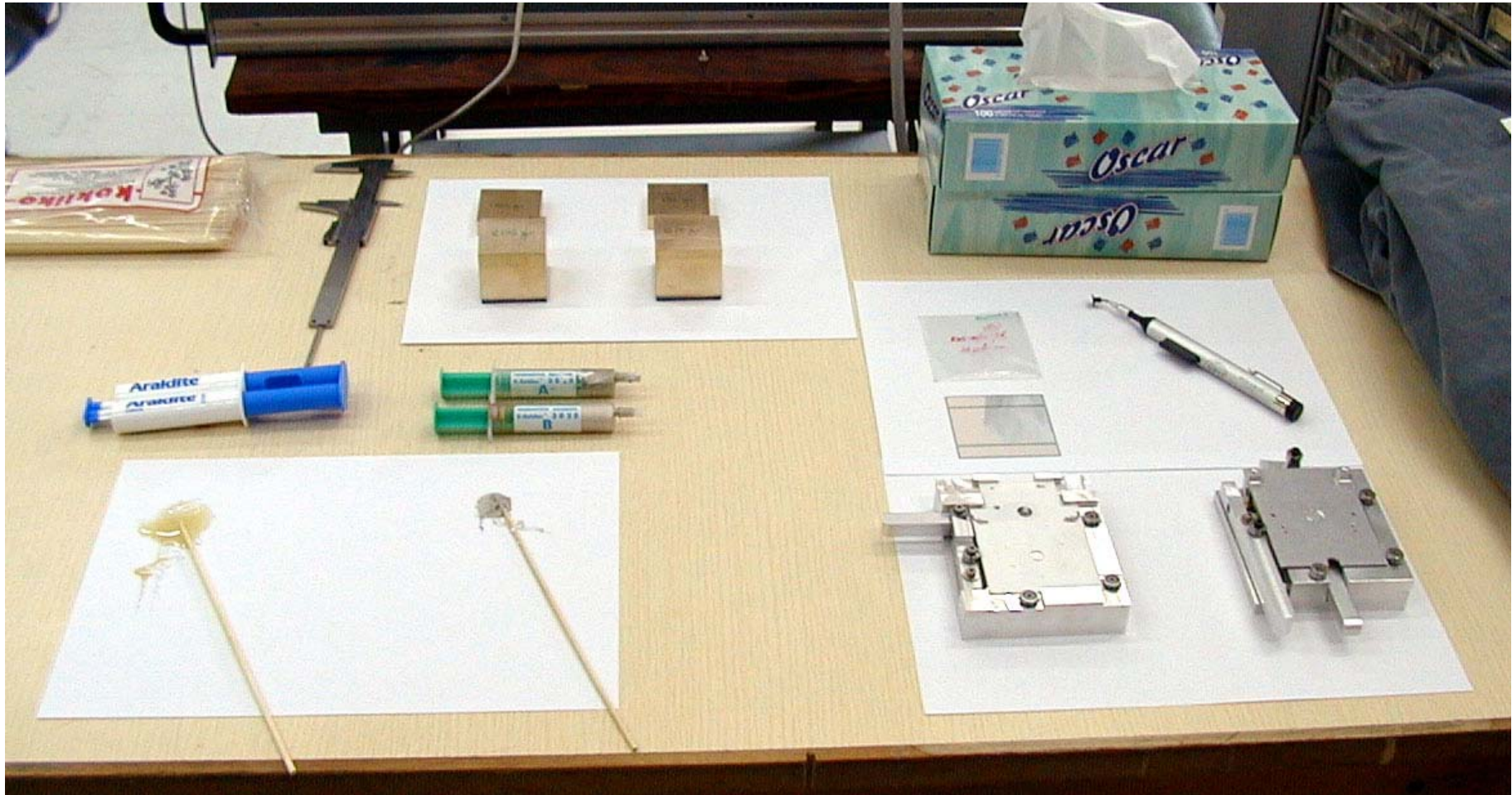


# Sensor gluing at Ioannina

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- Gluing 2 Si Sensors on Ceramic and Tile.
- Si Sensors : Two ELMA Si sensors rejected.
  - 49 good strips in both.
- Epoxy Glues:
  - E-Solder 3025, 2-component conductive glue.
  - Standard Araldite (24 hours)
- Weight 600 gr.

# Glues Preparation

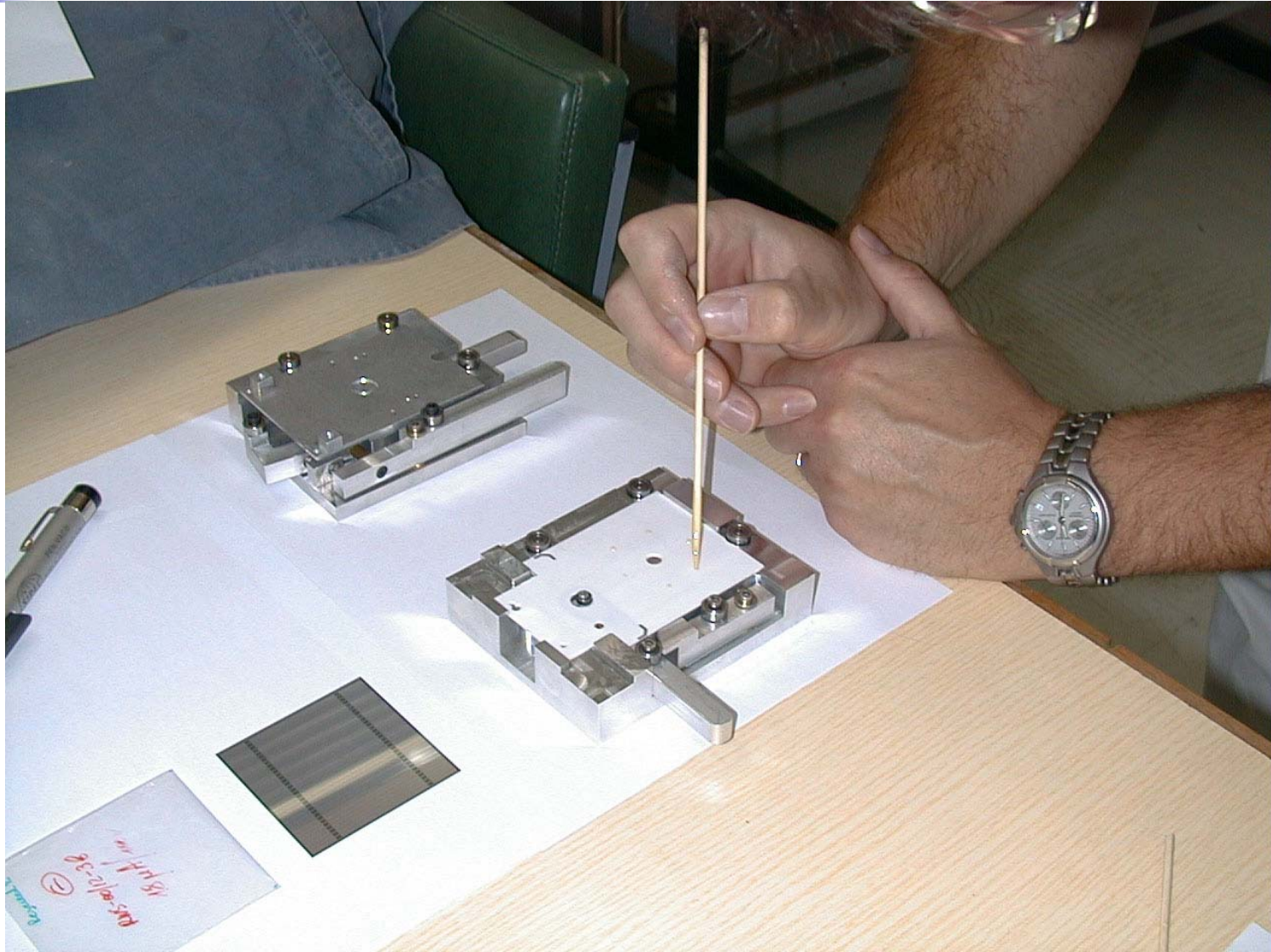


# Testing Procedure

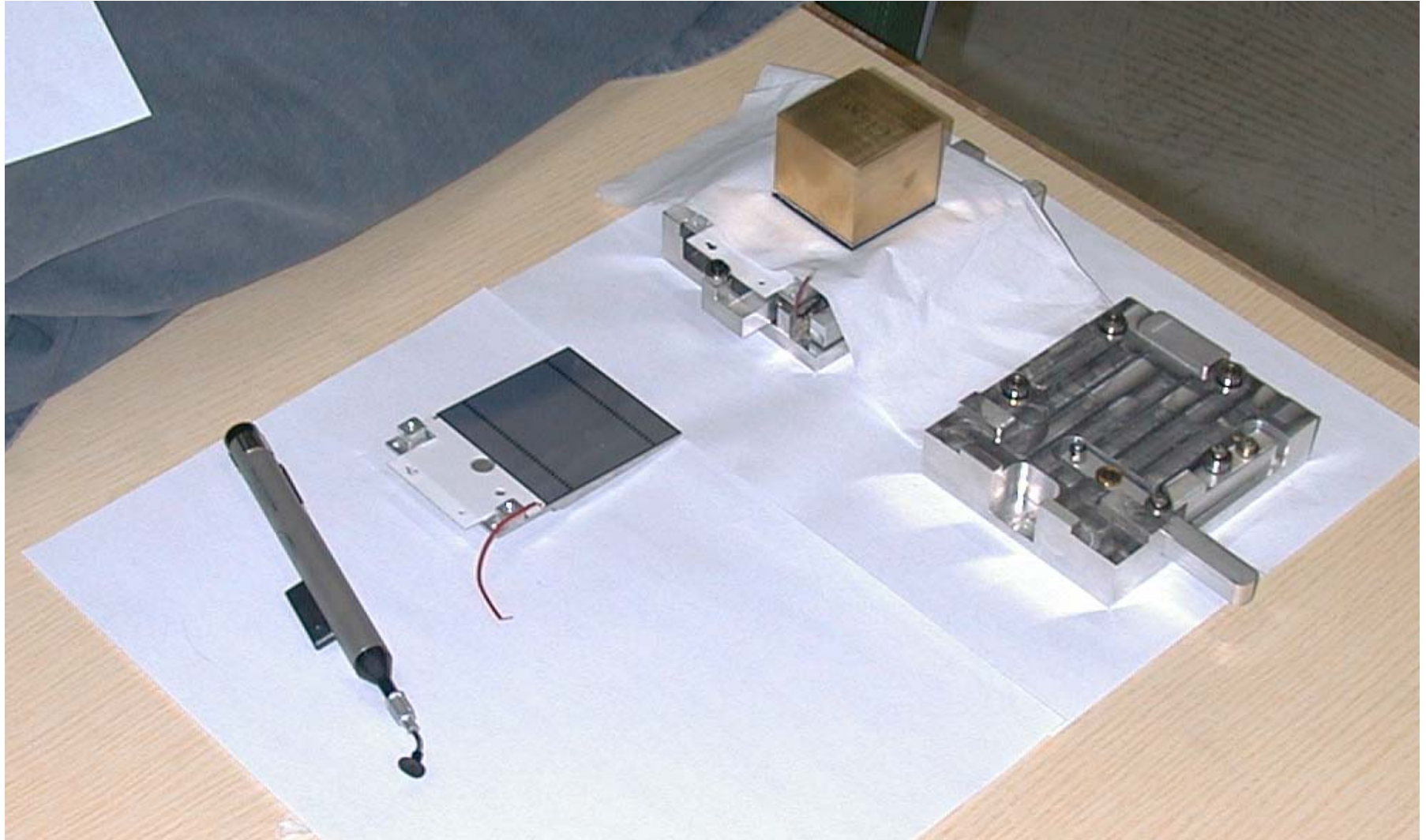
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- IV Measurements.
- Gluing Sensor to Ceramic.
- IV Measurements.
- Thermal Cycle (1 hour 80° C, few hours -30 ° C).
- IV Measurements
- Gluing Sensor+Ceramic to Tile.
- IV Measurements.
- Thermal Cycle (1 hour 80° C, few hours -30 ° C).
- IV Measurements.

# Gluing Sensor to Ceramic



# Gluing Sensor+Ceramic to Tile



# Conclusions

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- Only one strip, out of 49 good strips in both detectors, gave a small current after gluing the **Sensor+Ceramic** to the **Tile** and thermal cycle.
- By re-measuring the detector after two weeks the bad strip gave the correct current.
- Gluing procedure well understood.
- Wait for final ceramics and tiles.