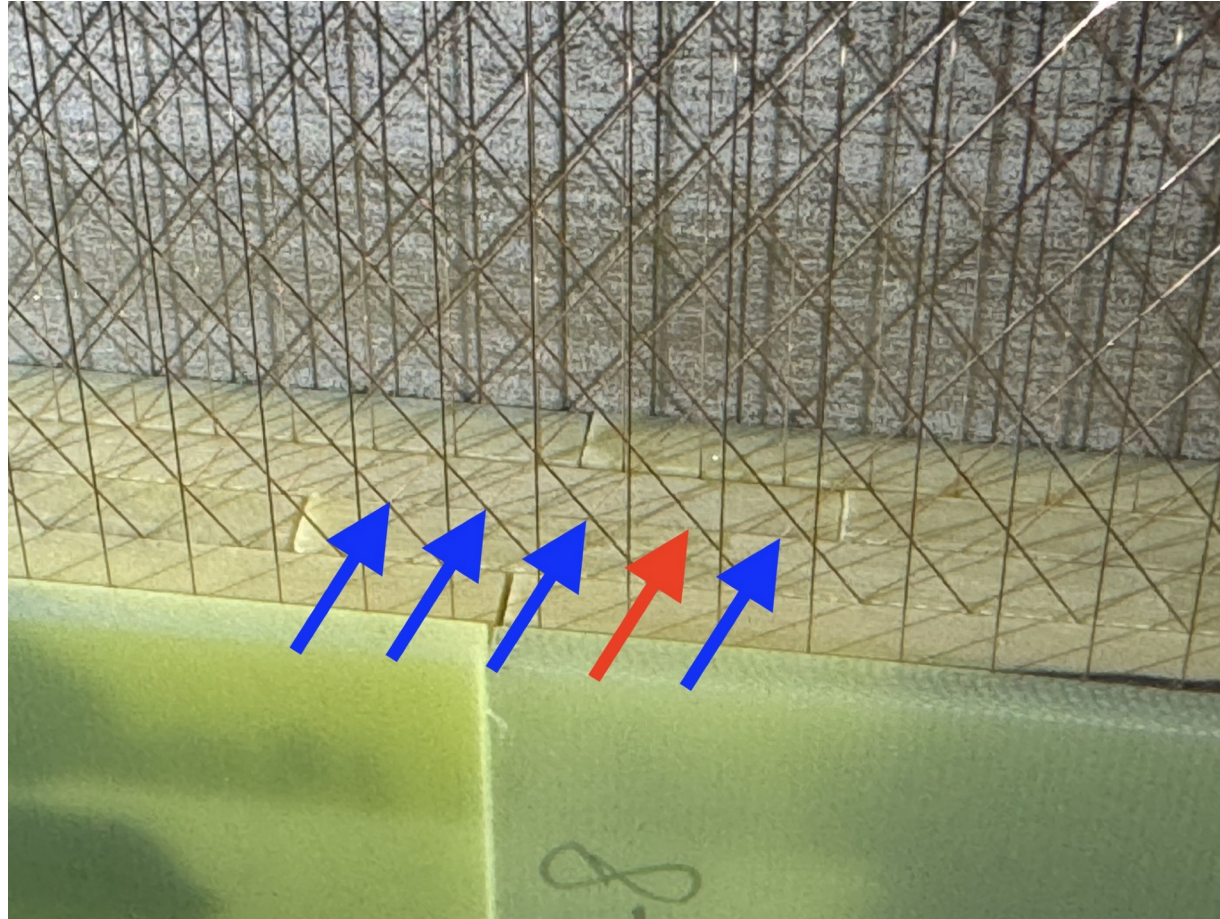


APA14 Broken Wire

Overview

- On removal from the cold box, it was observed that a wire on APA14 had broken.
- From the CE readout we observe that this wire broke during warmup over the weekend (Sat morning), at a temperature of ~ 270 K.
- The wire is on the V layer, 2nd from the edge of its head board, and broke at the soldier joint.
- The Compliance inspection report (with photos) can be found on EDMS here: <https://edms.cern.ch/document/3181578/1>

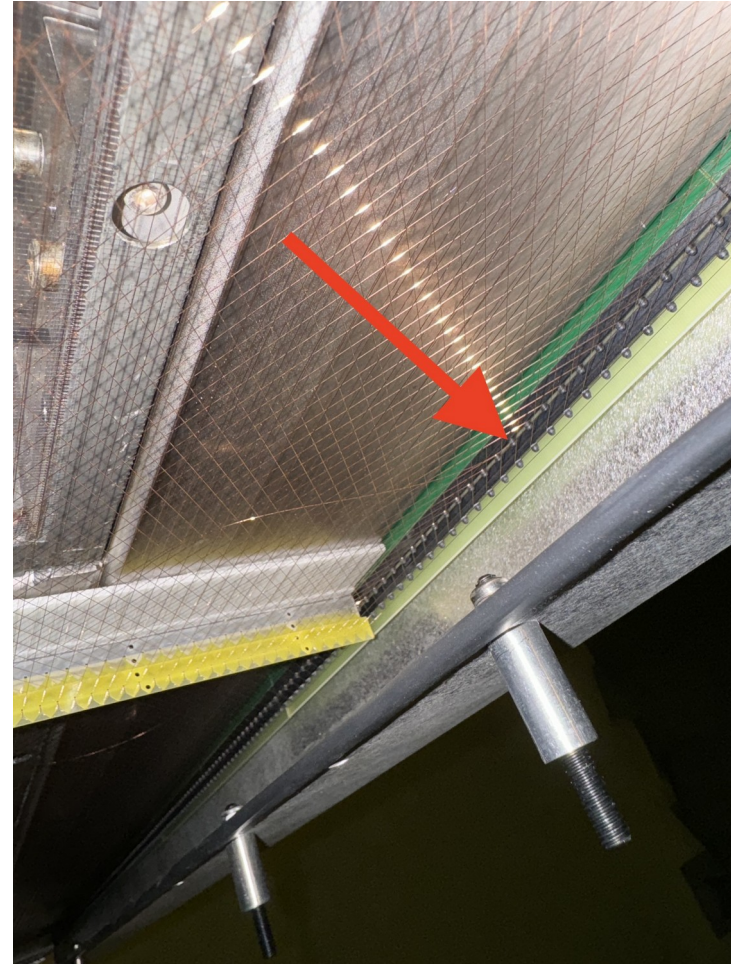
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Course of Action

- Daresbury will send an expert to remove the broken wire, and take samples for electron microscopy + load testing.
- APA14 must be cold cycled again.
 - Questions: with full instrumentation? With a preceding DWA measurement?
- Both APAs received a shock during transport (report: <https://edms.cern.ch/document/3177756/1>), so the outcome of the cold test of APA15 will give some indication of whether there is a causal link.