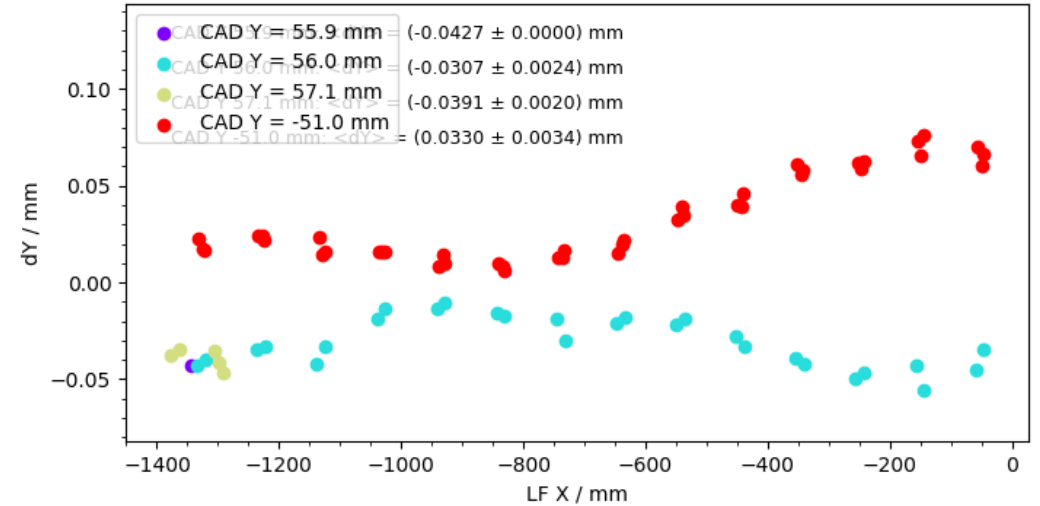


# CERN Bus Tapes

- 9 tapes produced without cover layer.
  - Tapes were made on a panel of 4 tapes.
- 2 tapes now laminated and sent to Oxford.
  - The 2 tapes were on the same panel.
  - 1 tape measured on robot:
    - Electrically fully functional.
    - Very small y-distortion (“banana”) < 100 um. Probably because of the different aspect ratio makes it more rigid.
  - Will try making co-cure of 2 tapes together and see if this preserves the small distortions.
  - Modified tape roller jig to allow application of protective tape to both tapes → photo.
  - Co-cure today and aim for robot measurement tomorrow.
- If this works we could avoid the use of more complicated jigs for co-cure.



# CERN Bus Tapes – TDR Measurements

- RAL TDR scope (thanks to Craig Sawyer):
  - $Z_0 \sim 93$  and  $97 \Omega$  (spec  $90 < Z_0 < 100 \Omega$ )
- Attenuation @ 1 Gbps: 11 dB (spec  $< 15$  dB).

