Update on large MWPC prototype

- We had 4 non-functional or low-functional wires
 - i. Not working. Bad 100 Ω series resistor: replaced. Wire fixed.
 - ii. Low amplitude. HV capacitor not soldered in place: soldered. Wire fixed.
 - iii. Low amplitude. HV capacitor not soldered in place: soldered. Wire fixed.
 - iv. "Hot" wire, 400 mV signal at 150 kHz. No obvious problem visible on that channel, even with wire under a microscope: replaced wire. Wire fixed.
- Putting wheels on the MWPC so we can roll it out of the clean room.
- Working out details of being able to roll the MWPC into a truck, cushioning and securing the MWPC with wires vertical.

Wire electroplating study

- I have a student interested in working with me on sense wire electroplating, and detector construction.
- To get gas gain G ≈ 1, estimate that we need a plated wire diameter of ≈ 200 µm. This is ×10 the bare wire diameter. I don't know if this is possible.
- The carbon tubes have an OD of 700 μm
- The weight load on the sense wire due to 200 μ m electroplating is similar to the carbon tubes. In terms of mechanical stress on the sense wires, electroplating has no advantage over carbon tubes.
- May try electroplating sense wires and putting them into the small MWPC prototypes we've discussed building.