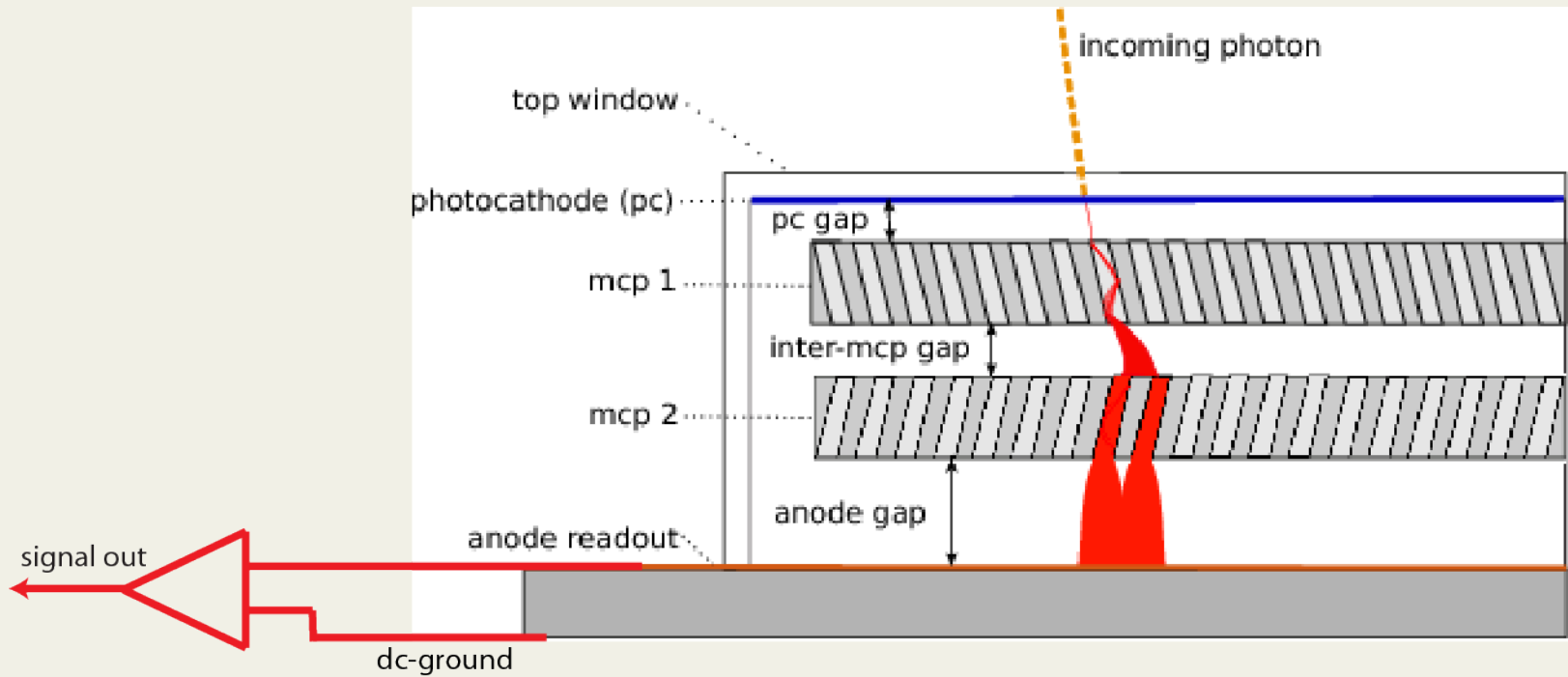


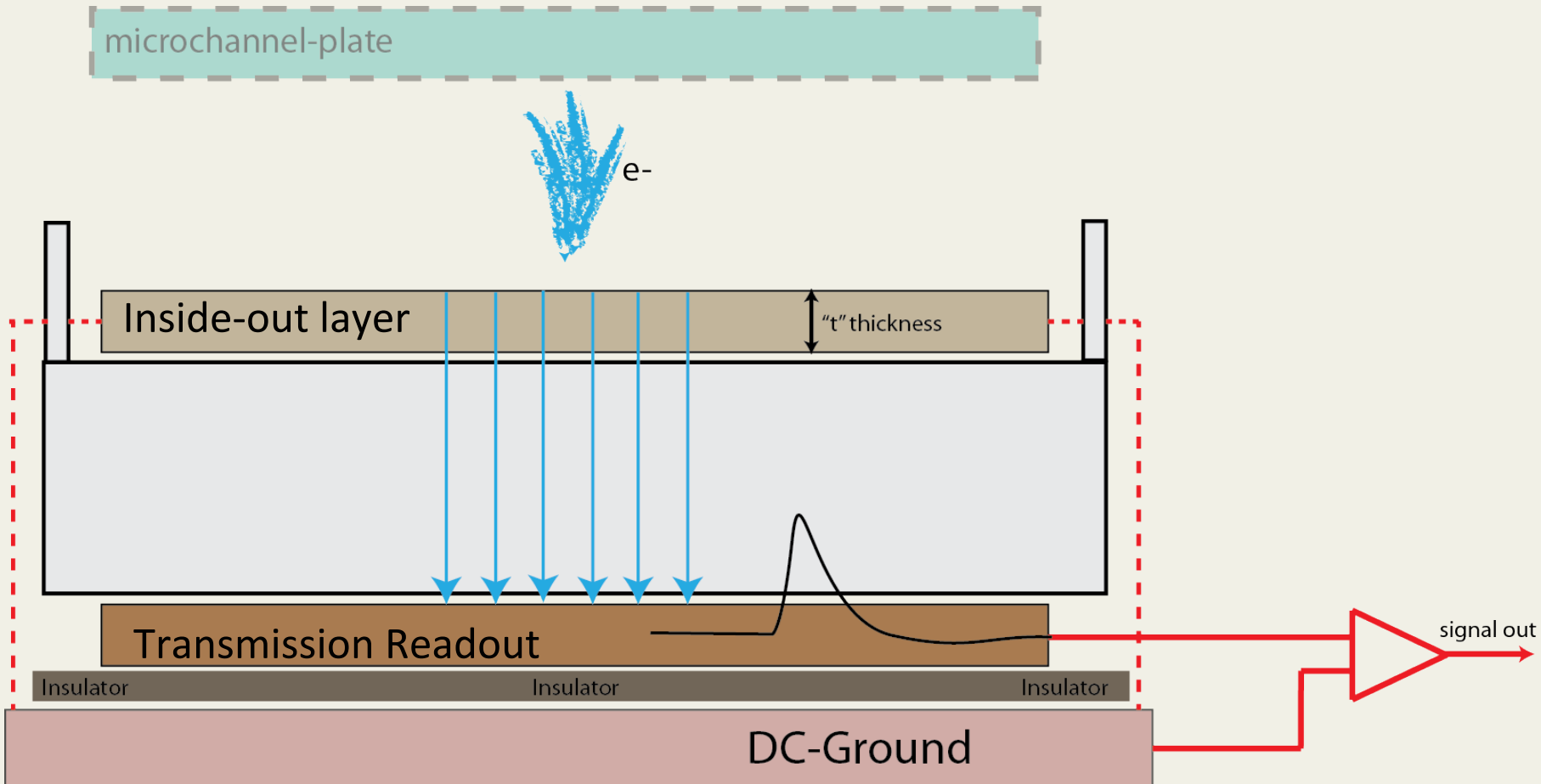
Inside Out LAPPD

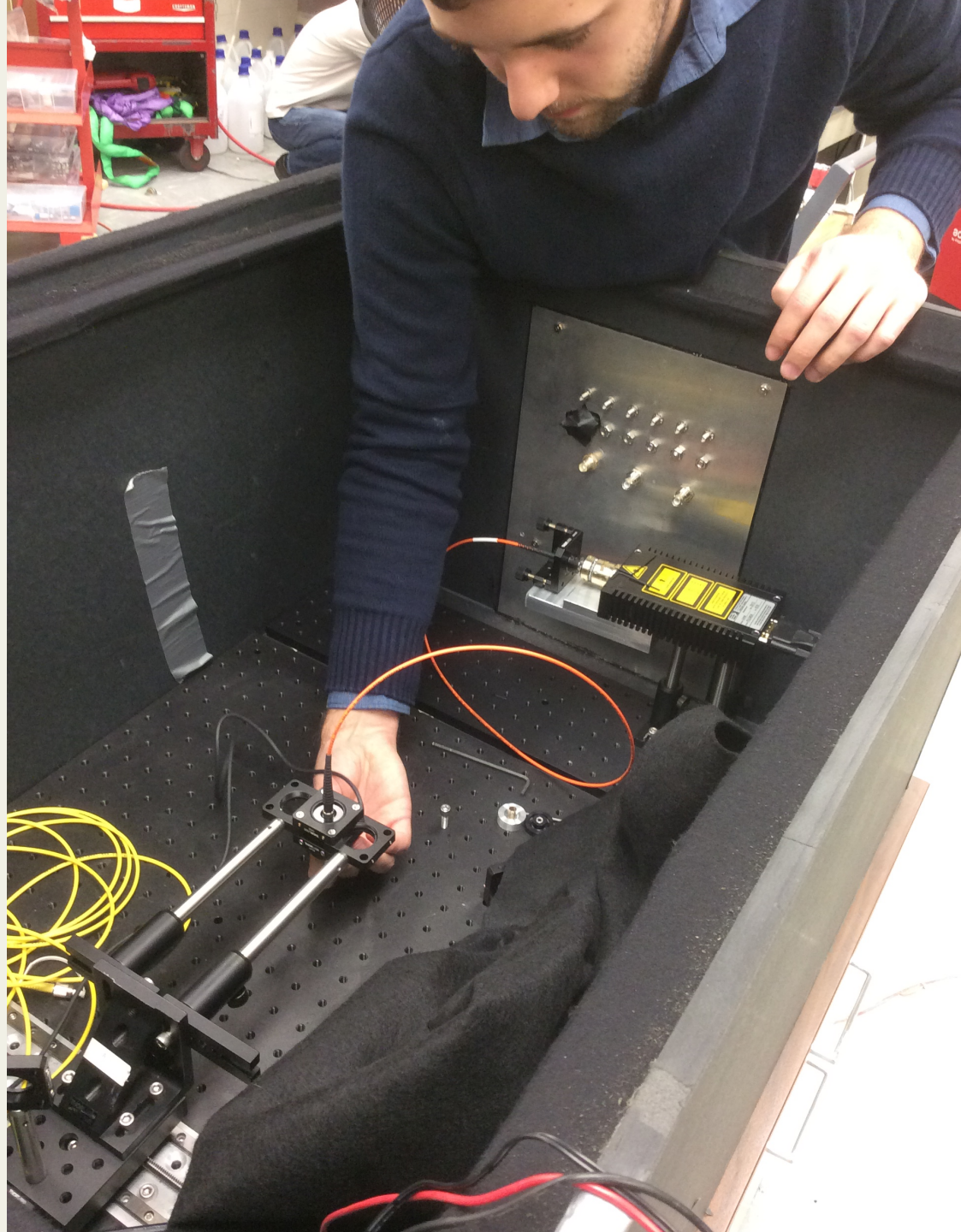
Concept and Status

Classic LAPPD



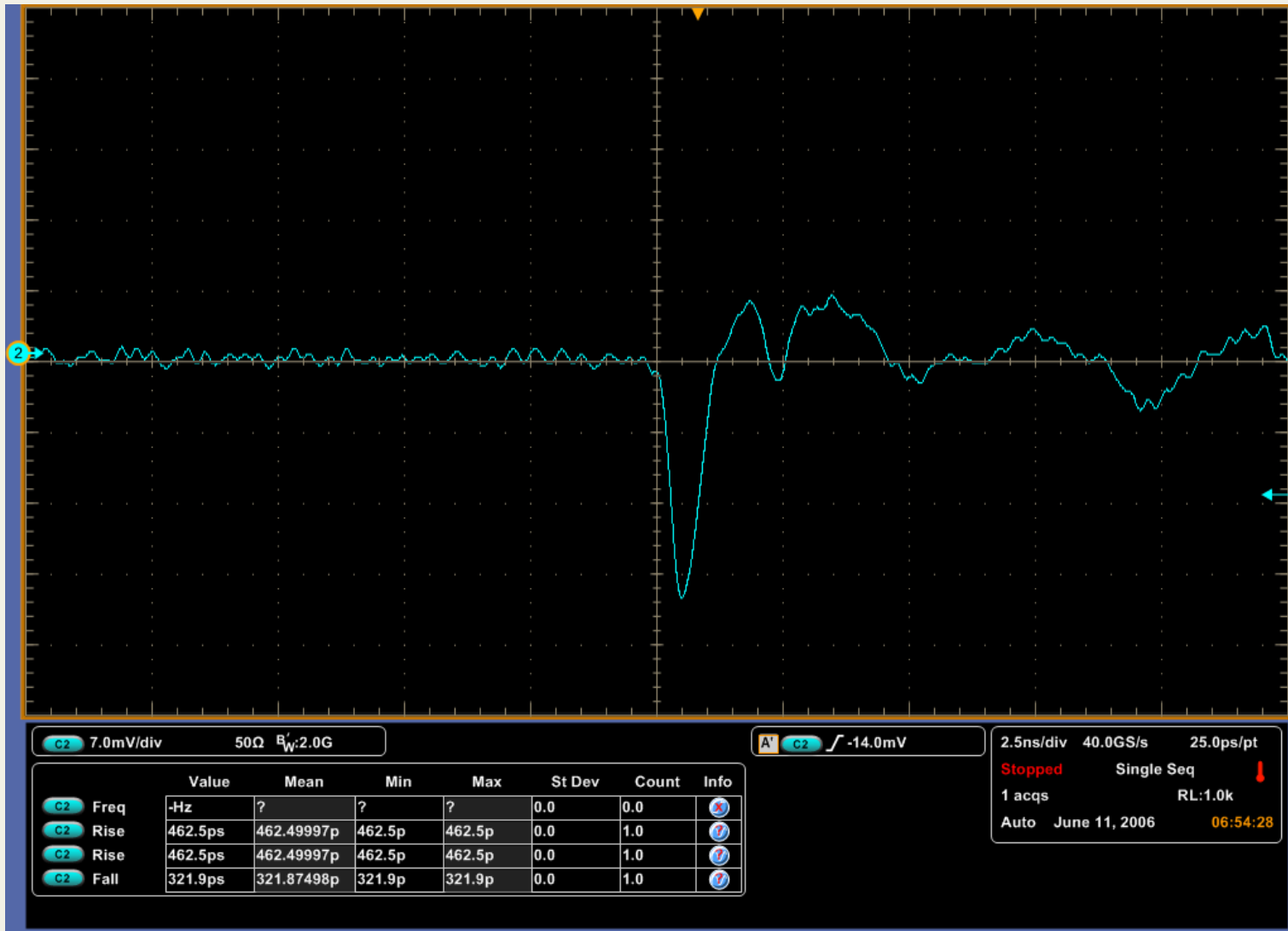
Inside-Out LAPPD





Let's test it

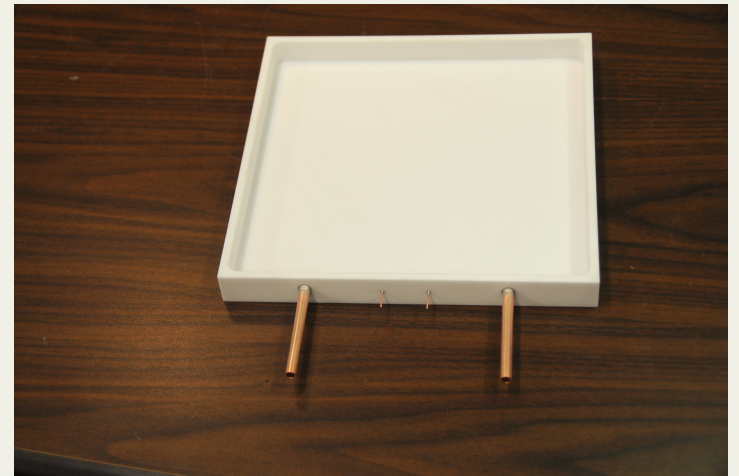
Proof of concept



We see a pulse!

Motivation/Benefits

- Monolithic, ceramic packaging
- Plug-and-Play, individual electronic readouts, “swappable-anodes”
- High event-rate detection



Ceramic Tile, Gen-II

- Two-tube vacuum system
- Mechanical Robustness
- Design flexibility
- No frit, monolithic
- Better manufacturing tolerances
- Fewer manufacturing steps/higher yield
- *Ability to do high event-rate detection*

The benefits are plentiful

Changes relevant to us

- Thermal cycle may be different (for better or worse)
- Two (copper) tubes: ease on the photocathode deposition process
...but careful of the junction

So we will need to become acquainted, and learn the new procedure

Photocathodes, for both

Thank you