



# PROTOTYPE DEVELOPMENT ISSUES AND ACTIVITIES

Francisco García

Helsinki Institute of Physics - University of Helsinki



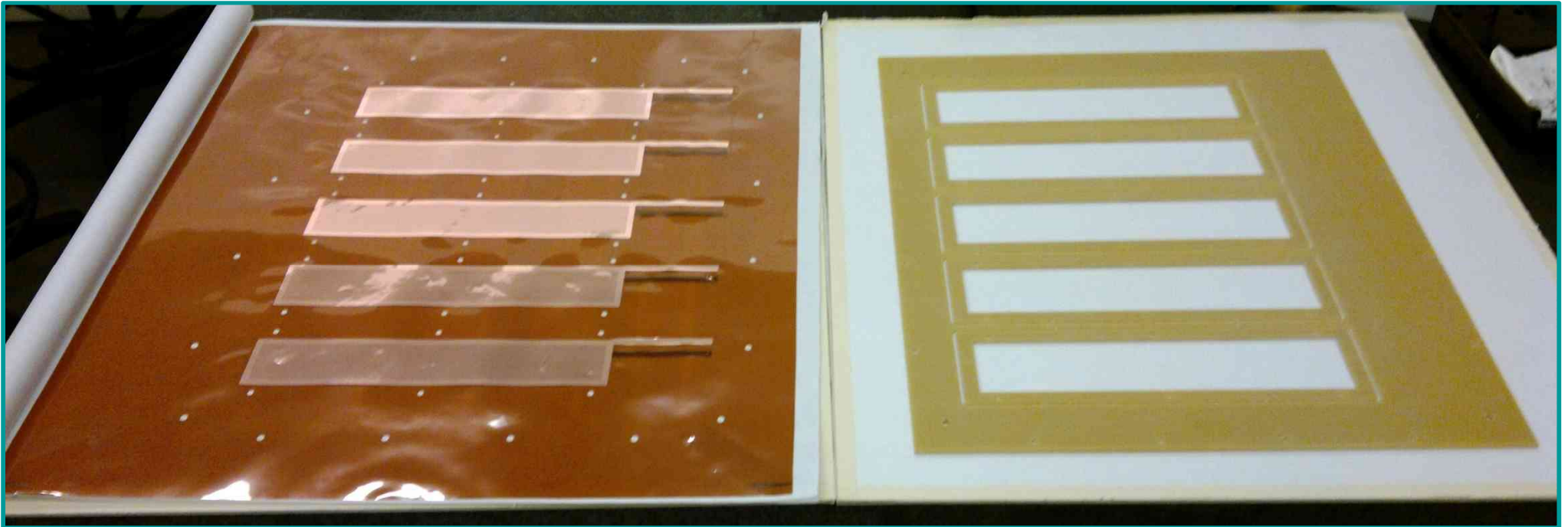
# OUTLINE

- COMPONENTS FOR GEM STACK
- READOUT PAD PLANE
- TEST BENCH FOR GEM STACK
- MBS-GO4 STANDALONE TEST

# COMPONENTS FOR GEM STACK

GEM Foil with five twin GEM foil

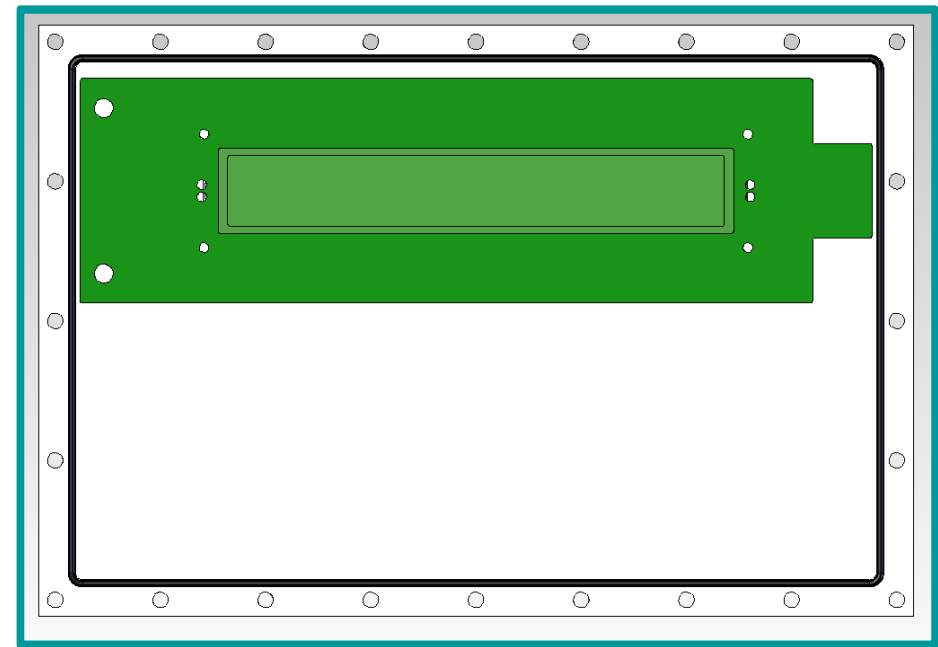
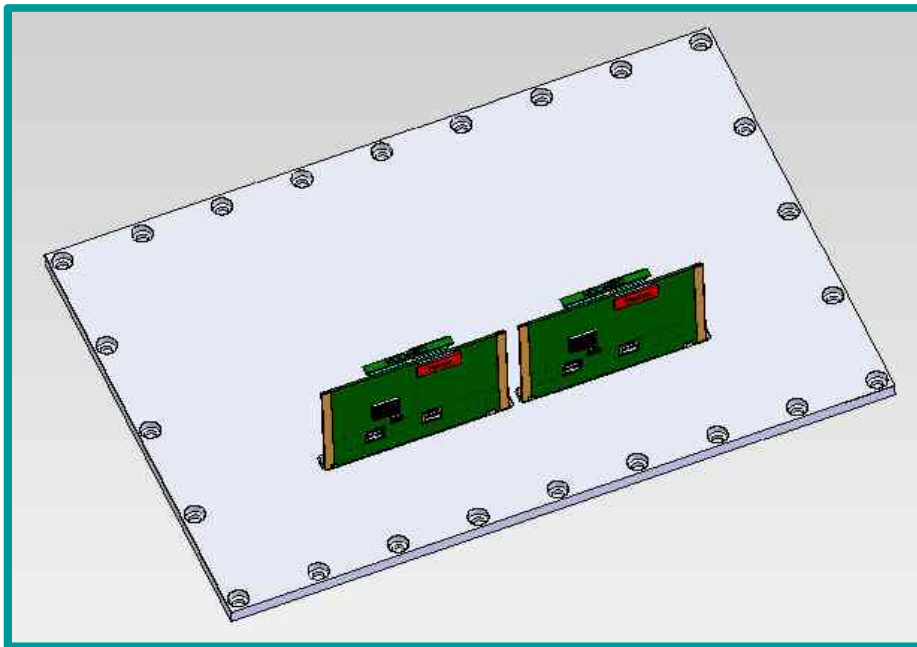
Super Frame with five twin frame



The characterization of the foils is ongoing

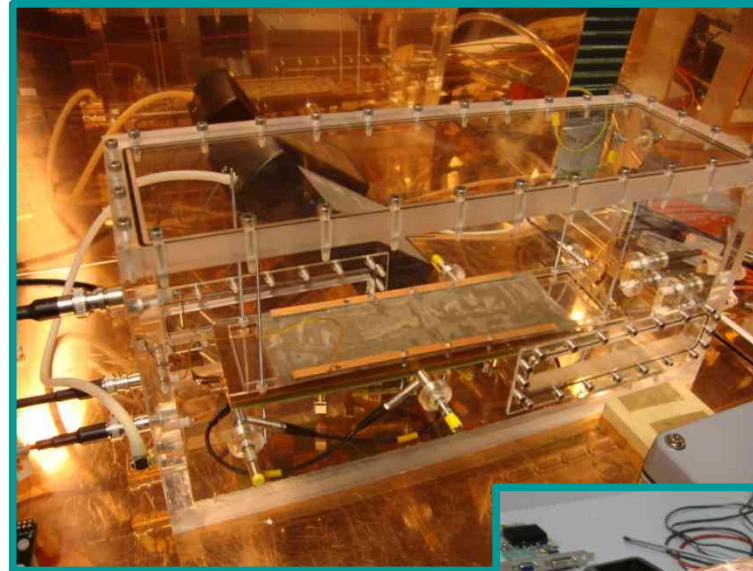
# READOUT PAD PLANE

The readout Pad Plane will be gas tight, so this makes possible to have readout electrodes in one side and footprint on the other. The electrode side will have parallel and chevron strips.



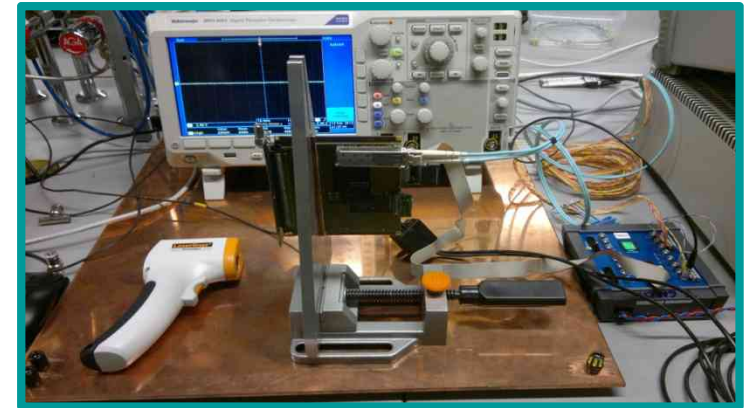
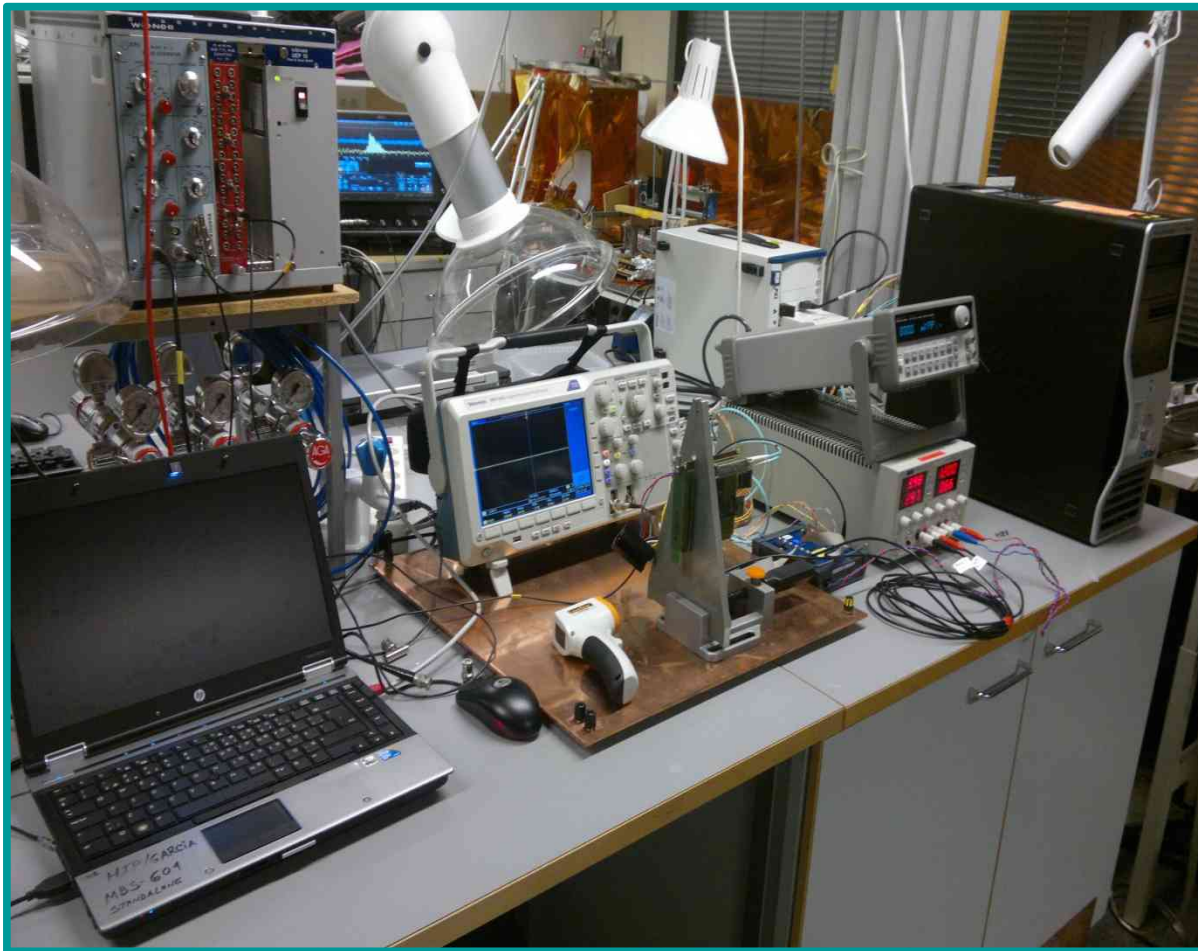
# TEST BENCH FOR GEM STACK

Similar box for the test of the twin GEM stack will be design and build. The idea is to have access from outside to the connectors and at the same time be able to pack a metallic box to reduce noise.





# MBS-GO4 STANDALONE TEST



The MBS-GO4 standalone has just arrived and installation has been made. First test results looks promising.