



# Proton Radius Measurement

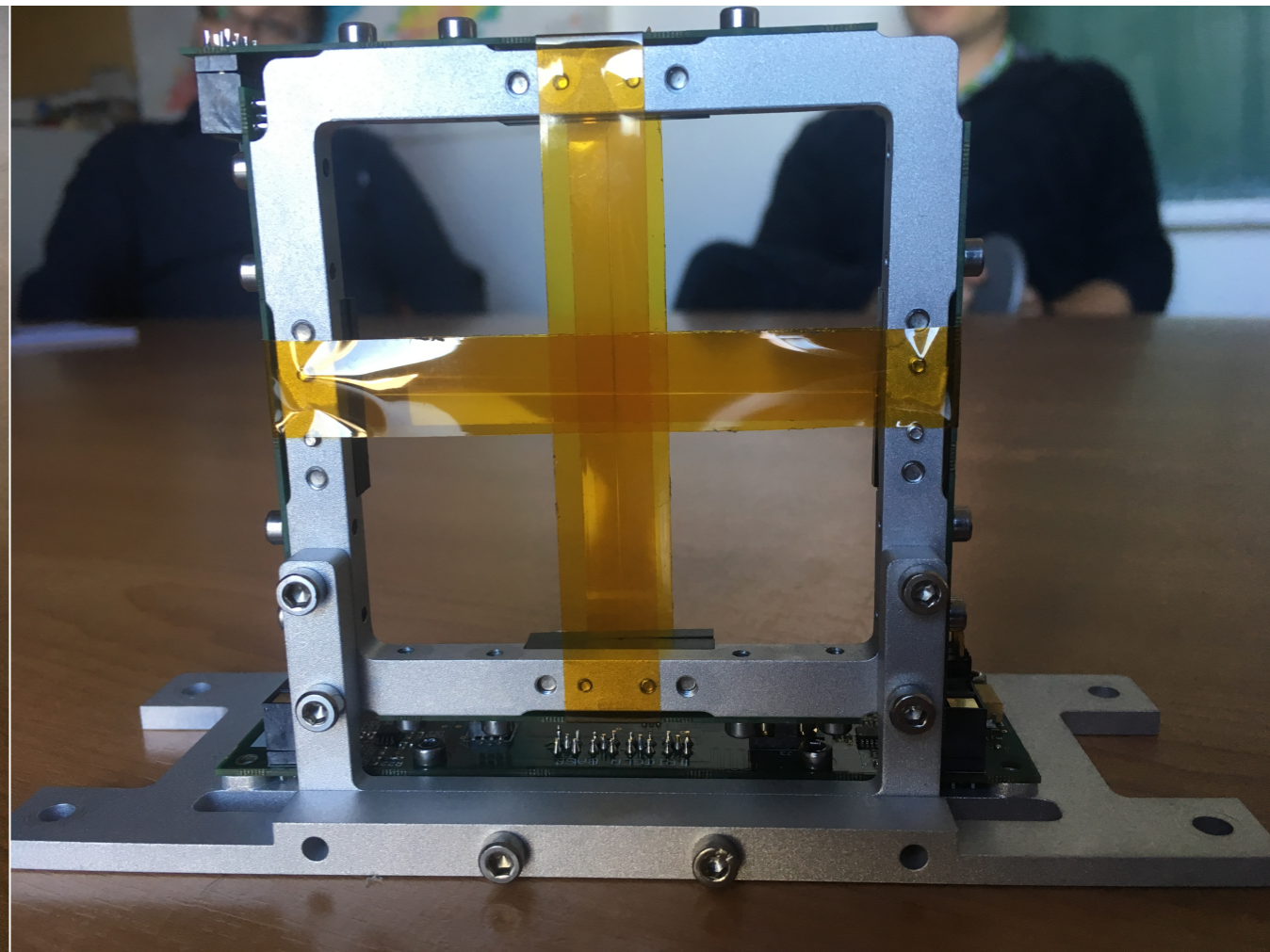
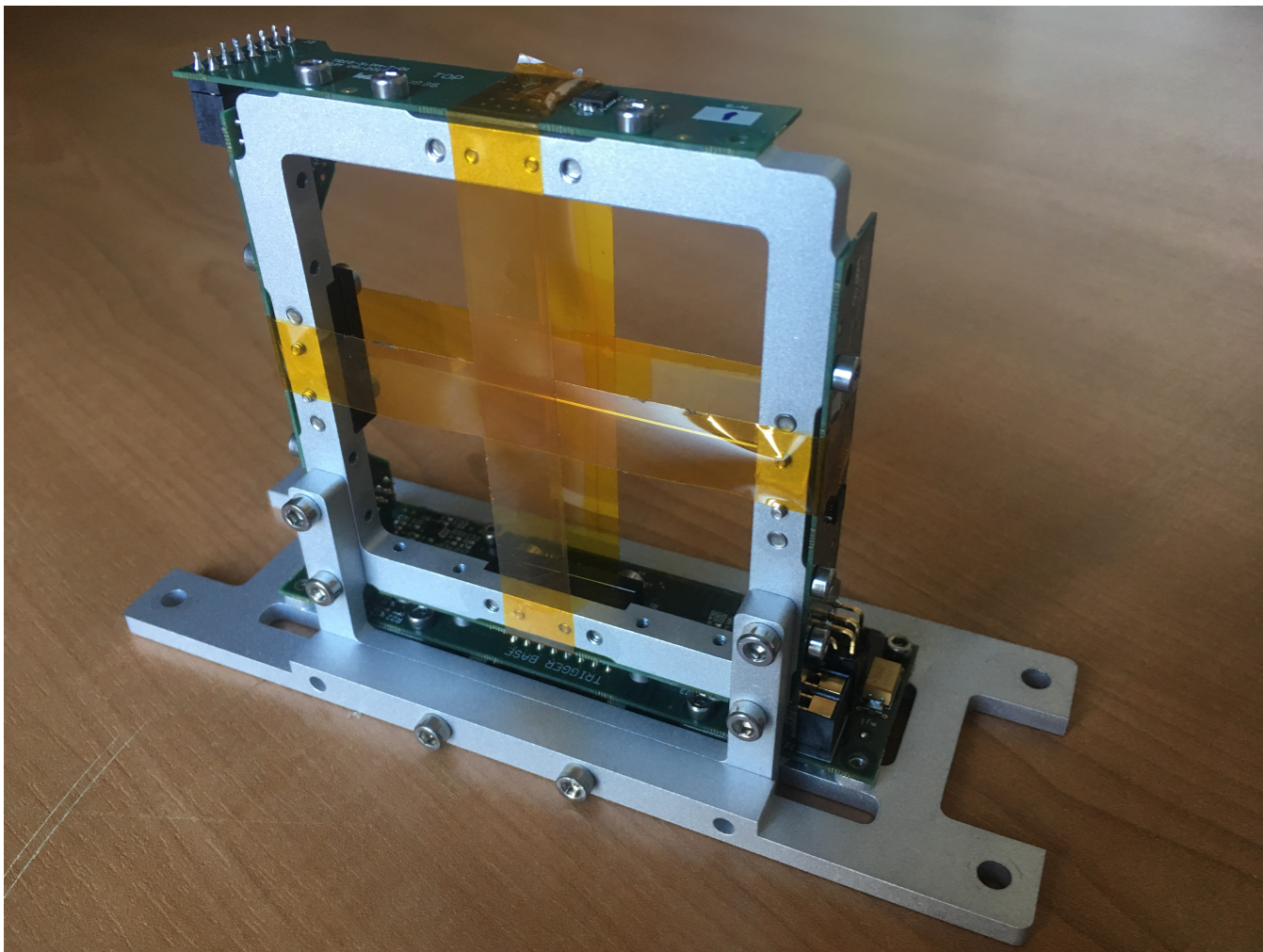
Fiber detector test

Friday, 19. October 2018

Christian Dreisbach

COMPASS Weekly Meeting

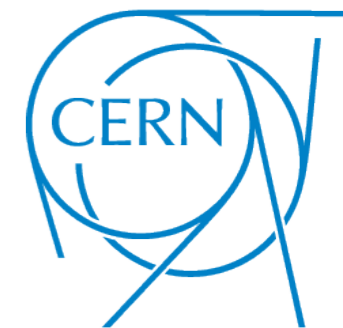
# Fiber detector test Stations



- Two stations with two crossed fibres each
- Size/Length: 8cm x 8cm
- Stored and installed in a light-tight box
- General detector test (efficiencies, coincidences)

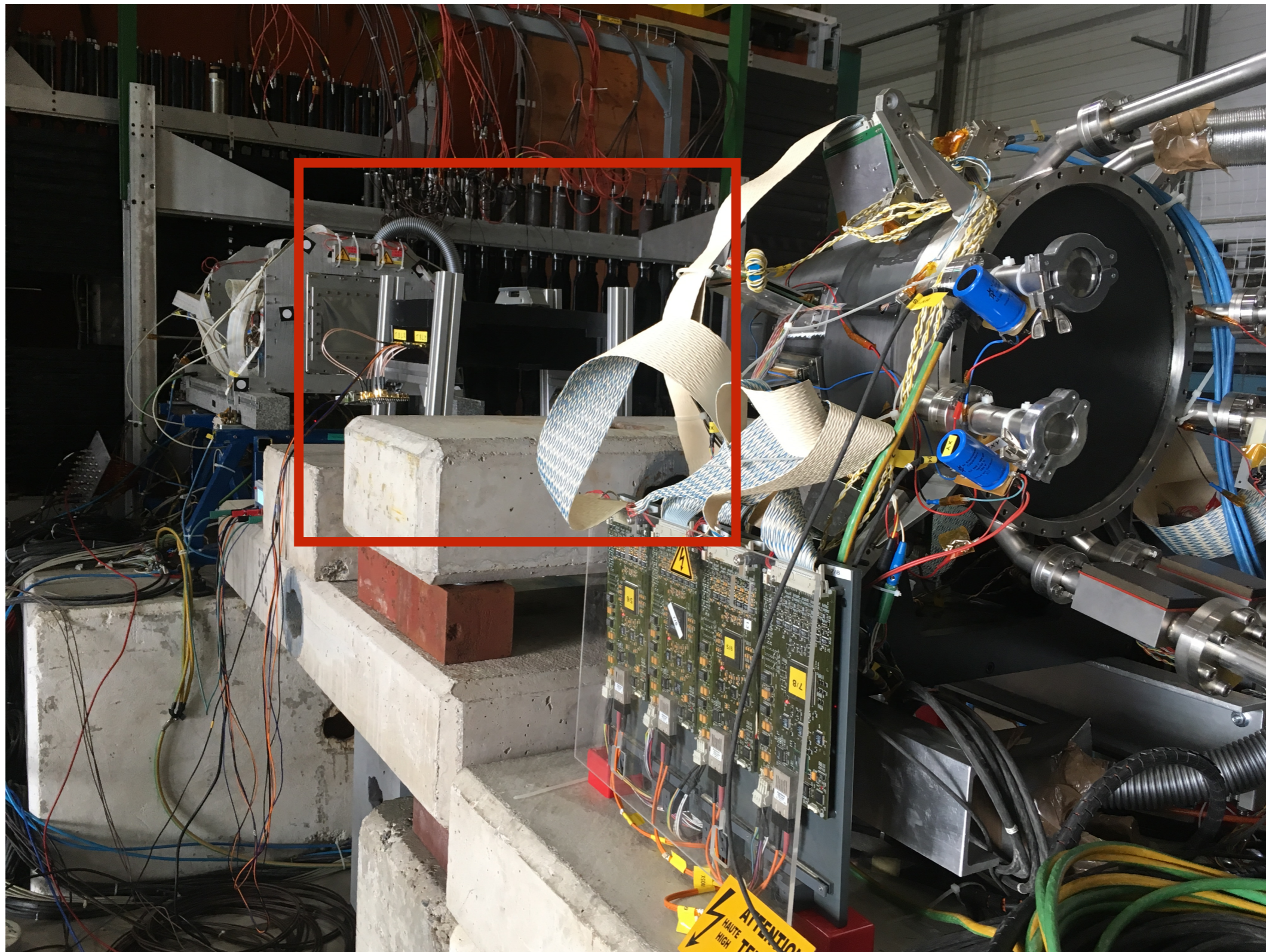


# Fiber detector test Installation





# Fiber detector test Installation





# Fiber detector test

## Trigger





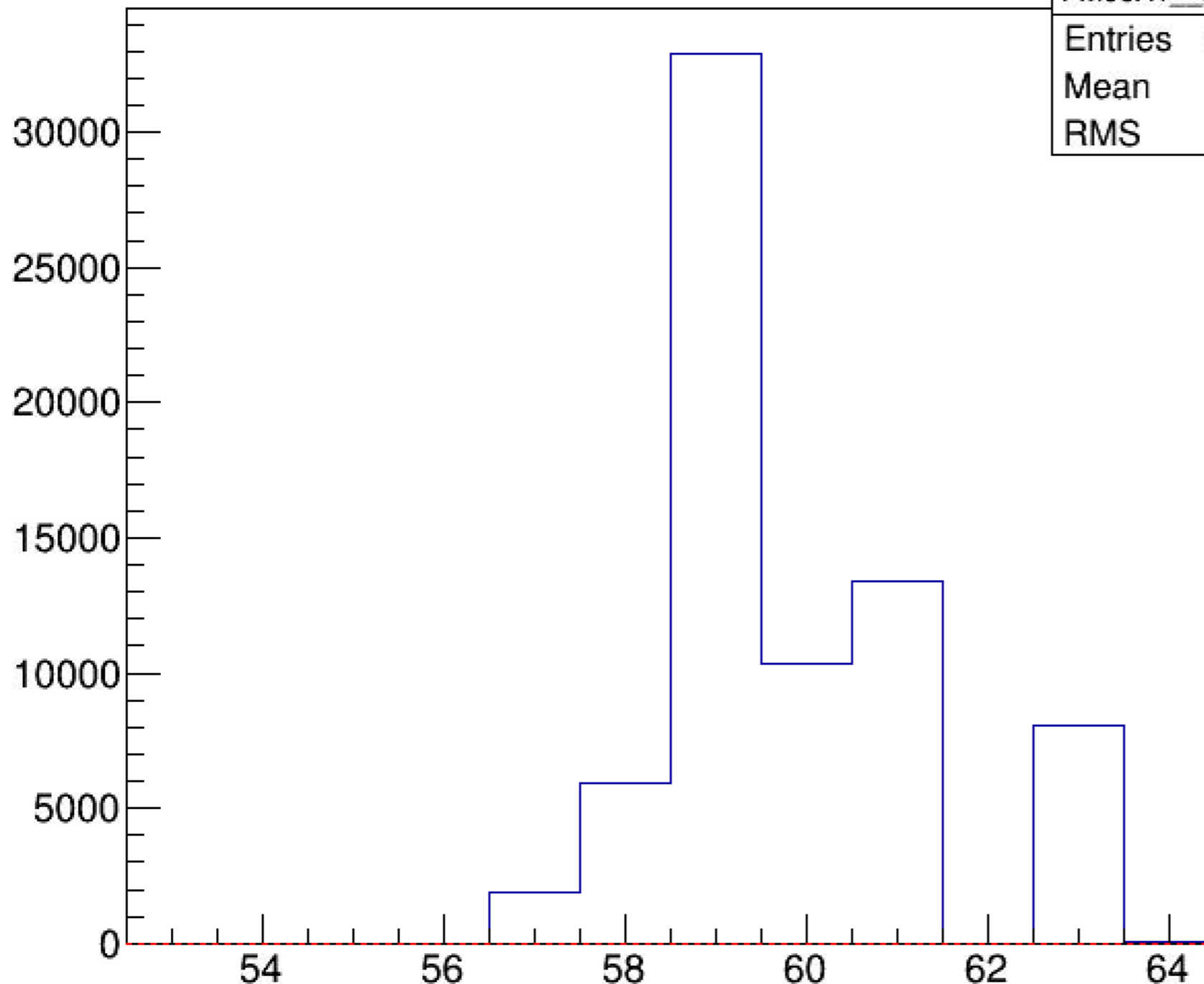
# Fiber detector test

## First data



FM00X1\_\_SADC nbr of entries

FM00X1__sadc_ch	
Entries	73782
Mean	59.82
RMS	1.474



- 4 fibers
- Read out on both sides
- 8 SiPMs (channels)
- 2 broken

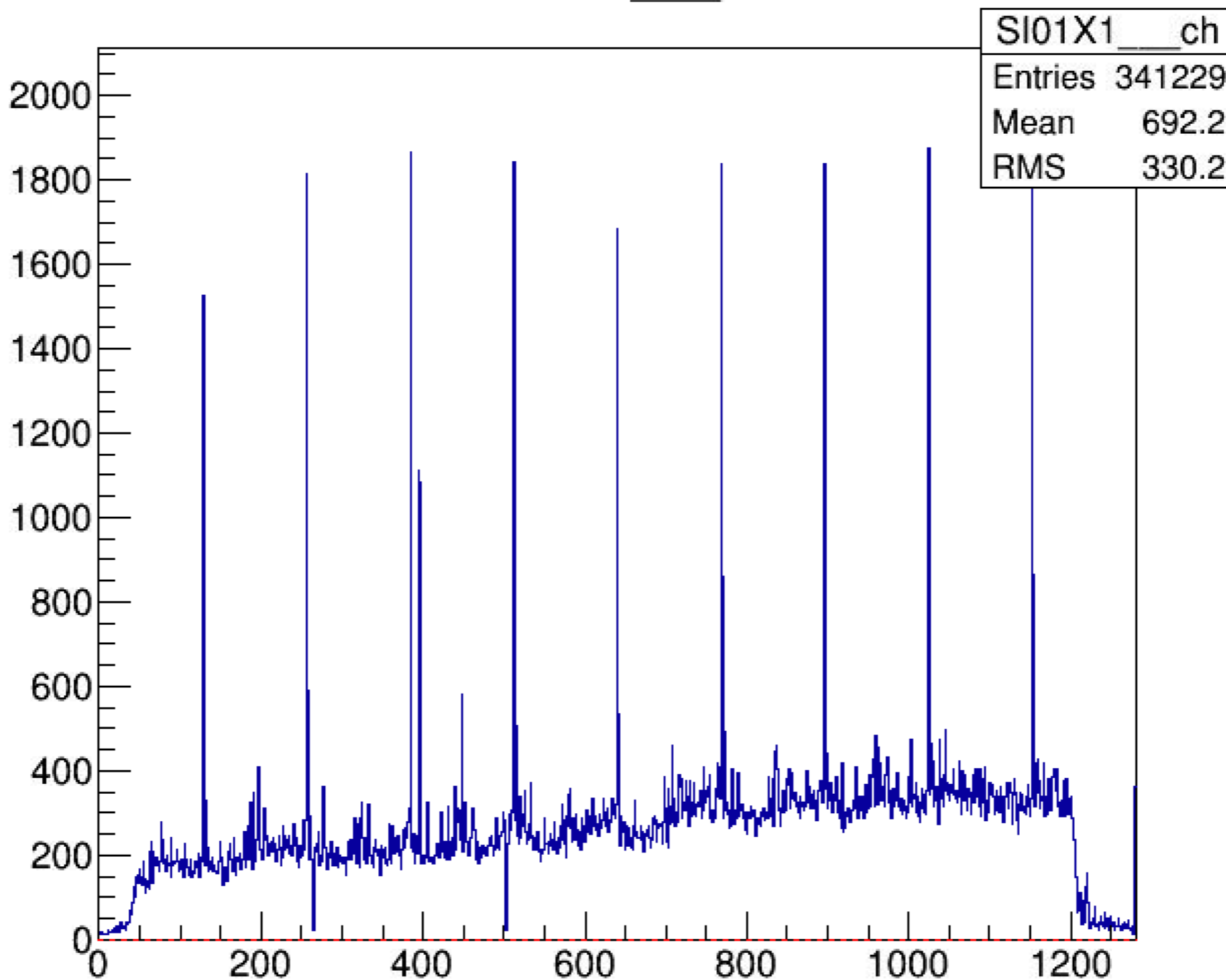


# Fiber detector test

First data



SI01X1\_\_\_ch





# Fiber detector test

## Outlook



- Correct latency and threshold
- Check trigger setup
- DAQ still unstable - investigate
- Check recored data
- Data taking until end of run (remotely)