



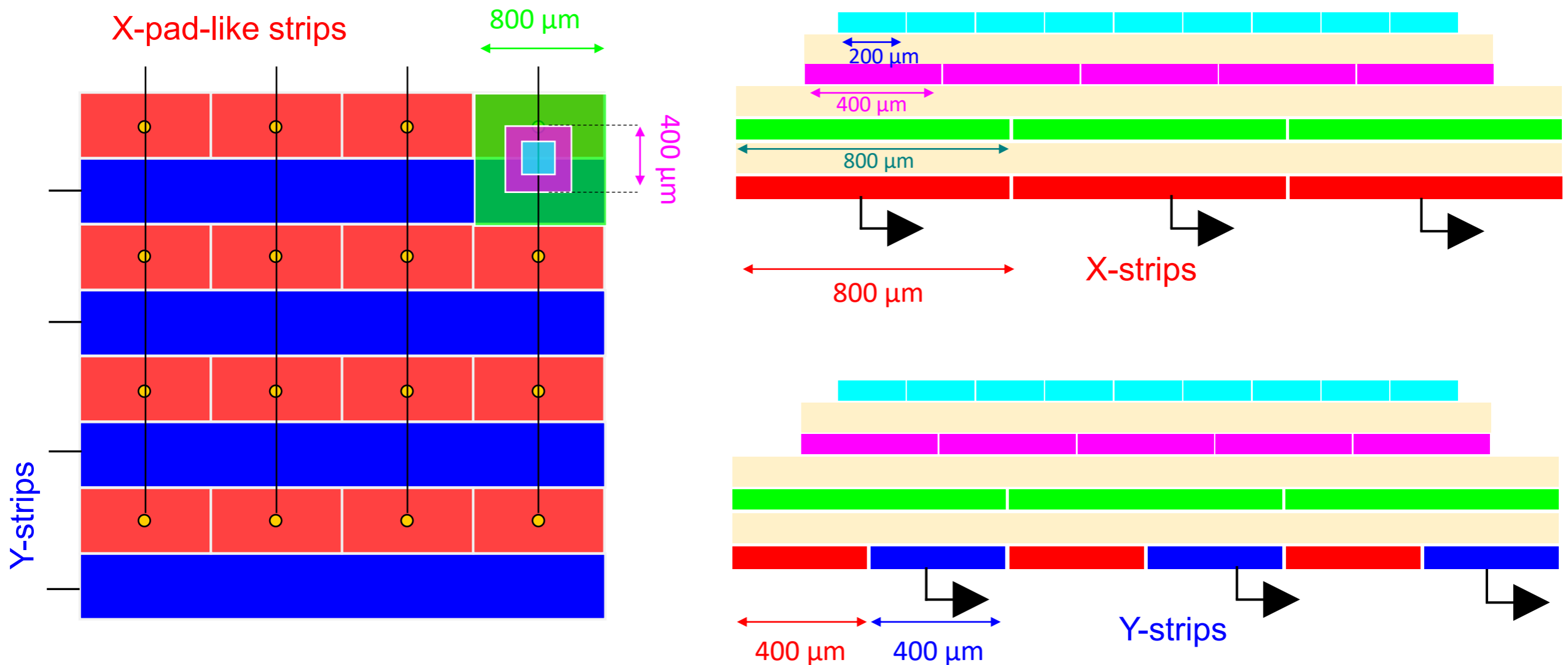


# Tests of large GEM-TRD with f125

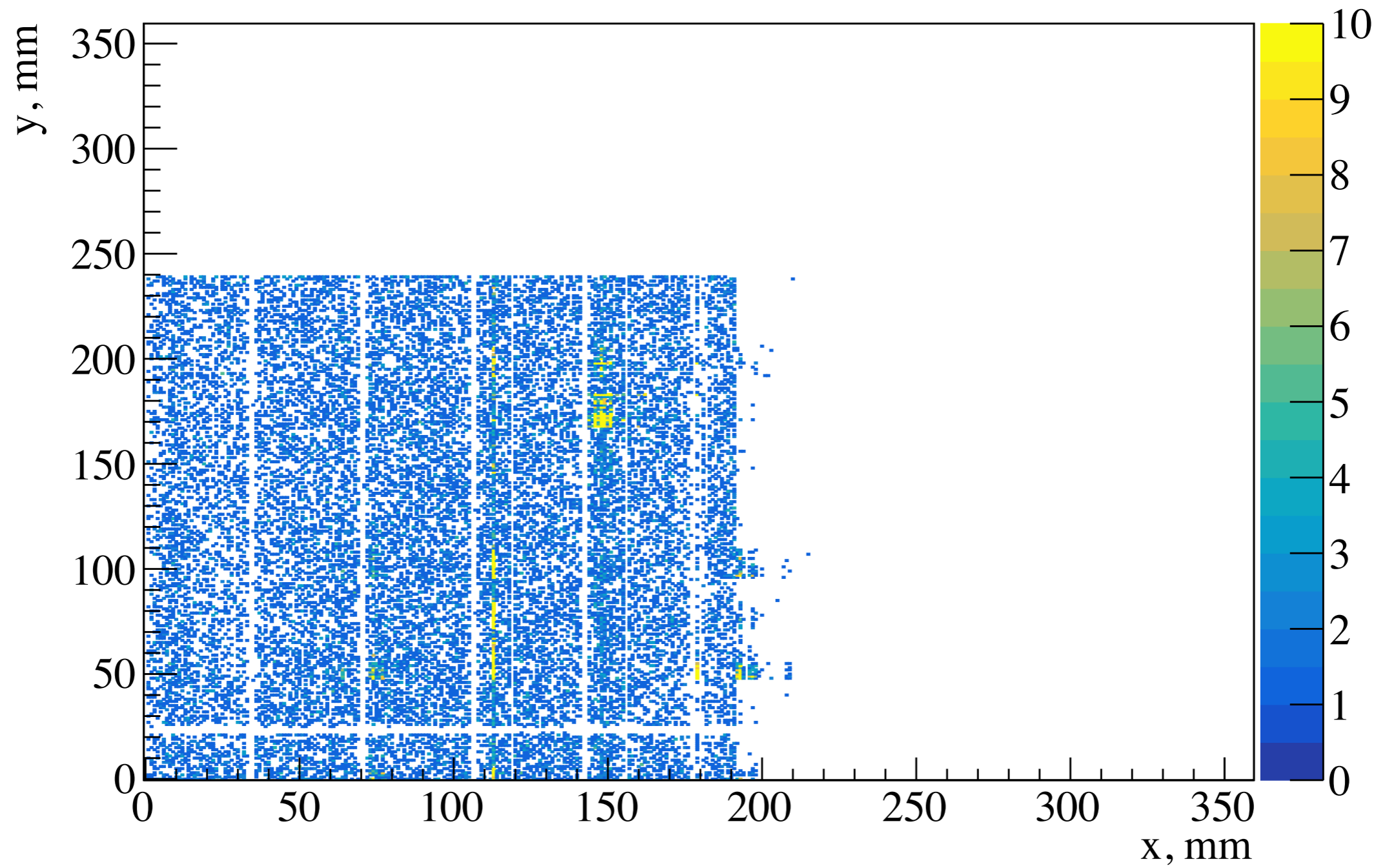
- 20 (x24ch.) pre-amps - 480 channels
- Will add another 10 pre-amps for the March test - 720 channels
- 10 f125s - connected with CPP type cables
- X/Y strips 1mm pitch
- Gas: 25 sccpm, Ar/CO<sub>2</sub> 80/20, chamber volume 9L
- Drift HV - 6kV, GEM HV 3.3 kV
- Drift gap >2.5 cm, drift field <1.1 kV/cm, ideally need >1.3 kV/cm
- Cosmics covering the whole chamber - trigger from a long scintillator

# Readout board

## Capacitive-Sharing Large-Strip Readout: Low channel count X-Y strip readout



# Tests of large GEM-TRD with f125



# Tests of large GEM-TRD with f125

