The 192Ch-GBP under X-ray

192Ch-GBP sensors

6 PCBs are available in Padova *(three groups of two cards each)*

Wuppertal:

W1 and W2

The bonding has been broken and the repair is requested!

The X-ray profile will be shown below.

University:

U1 and U2

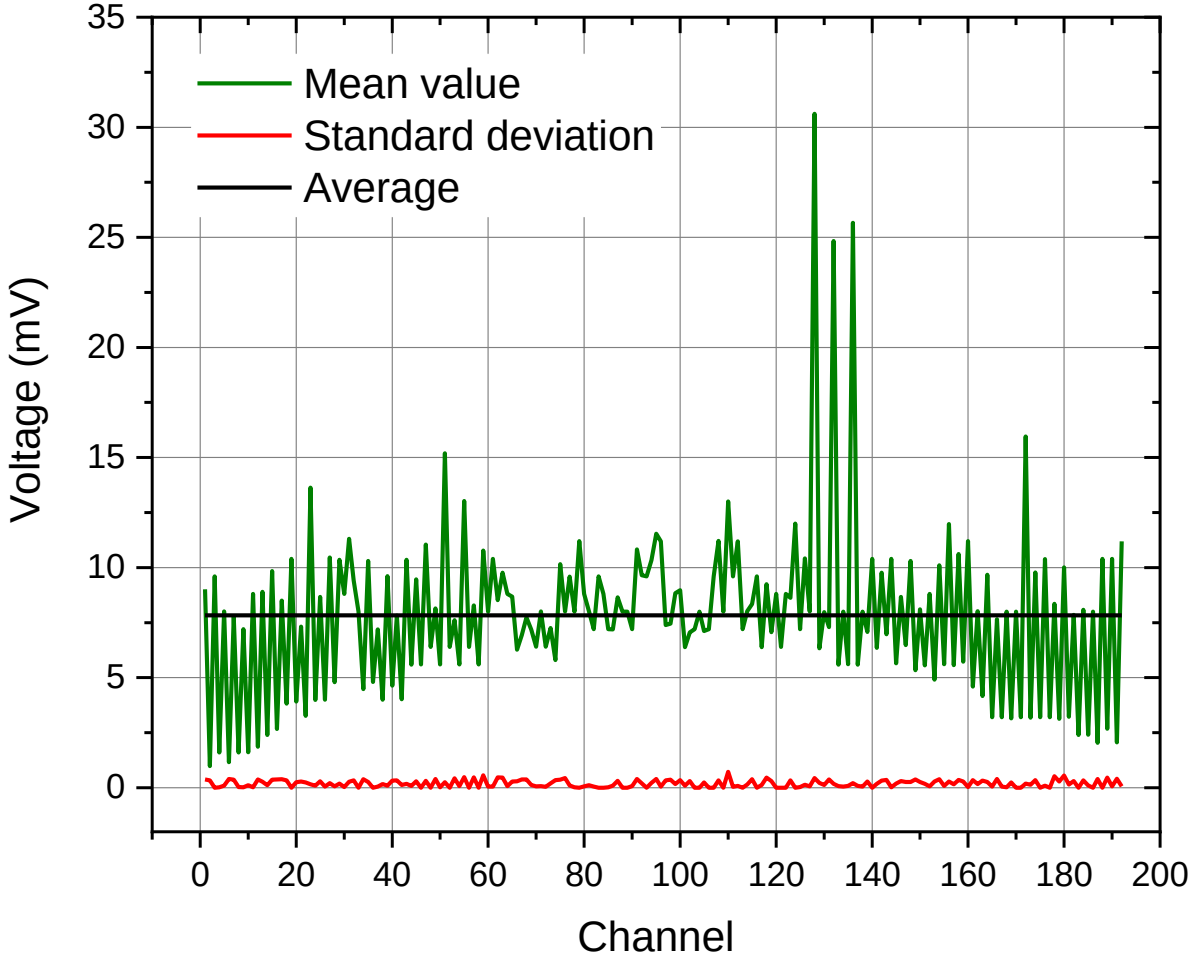
Monocrystal:

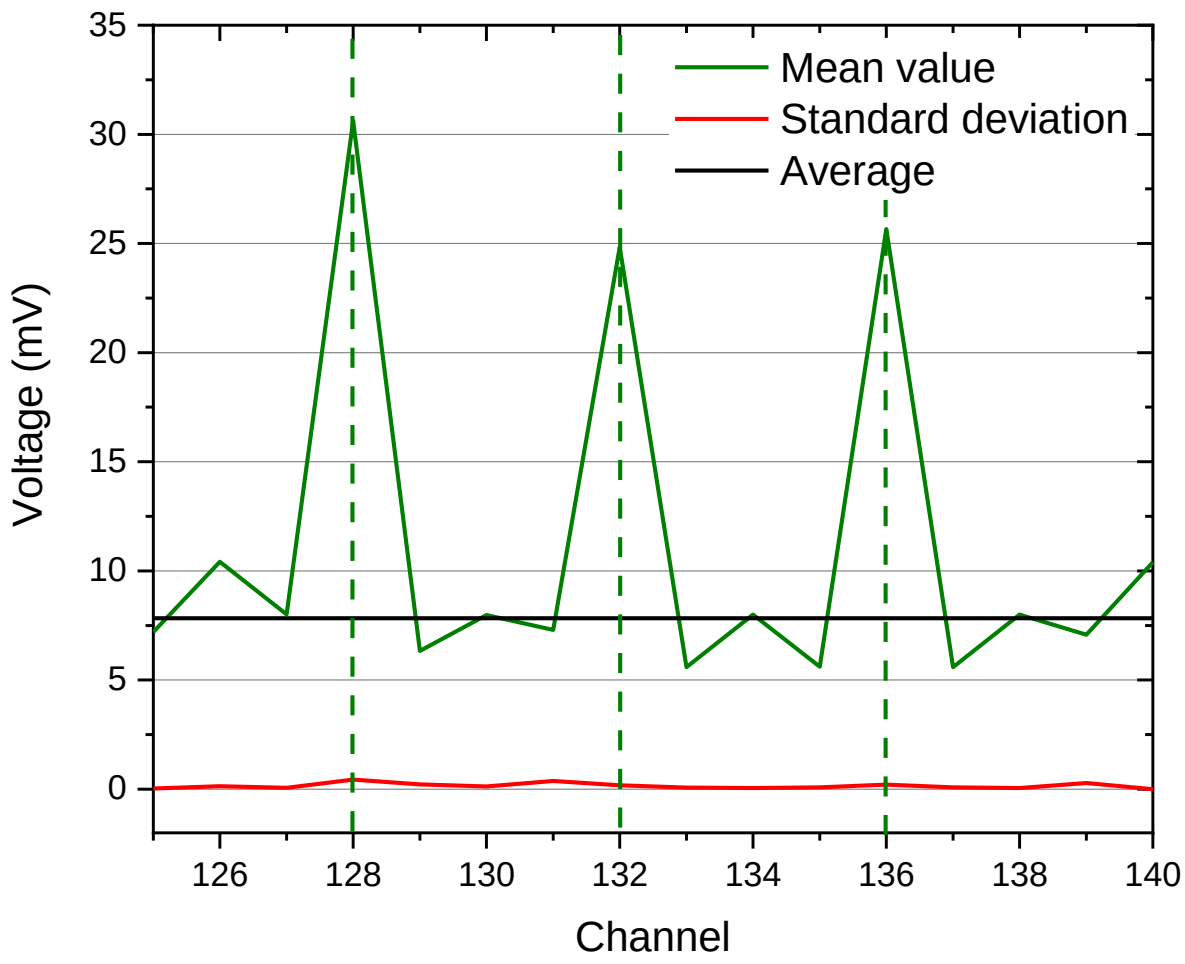
M1 and M2

The queued for X-ray test execution. The tests will be done this week. *We had a significant delay last week due to the department's tests of the electric power system.*

The response of 192Ch-GBP-W2 under X-ray irradiation

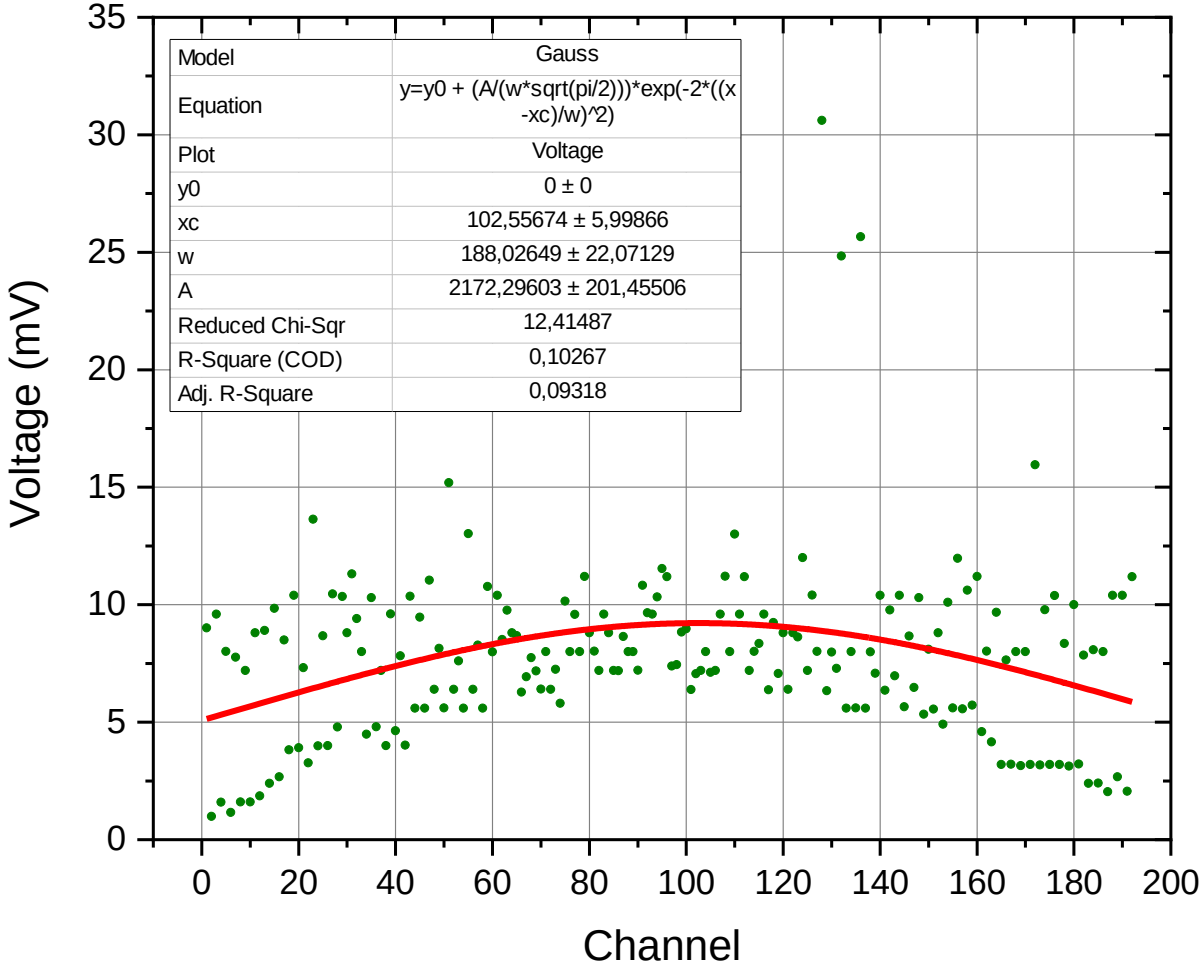
X-ray (W) tube: U = 40 kV, I = 50 mA; HV bias = 500 V

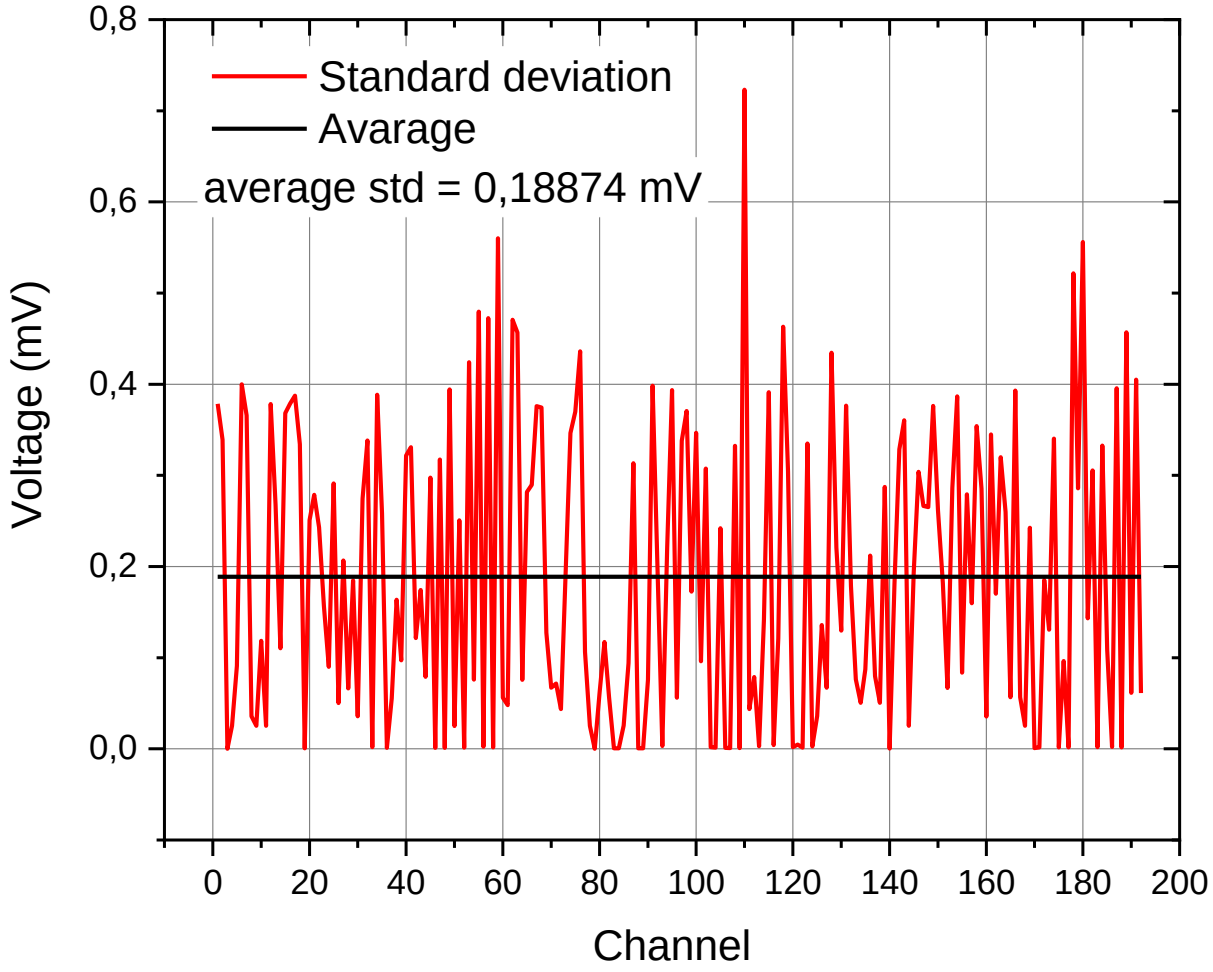




192Ch-GBP-W2 under X-ray - fitting

X-ray (W) tube: U = 40 kV, I = 50 mA; HV bias = 500 V





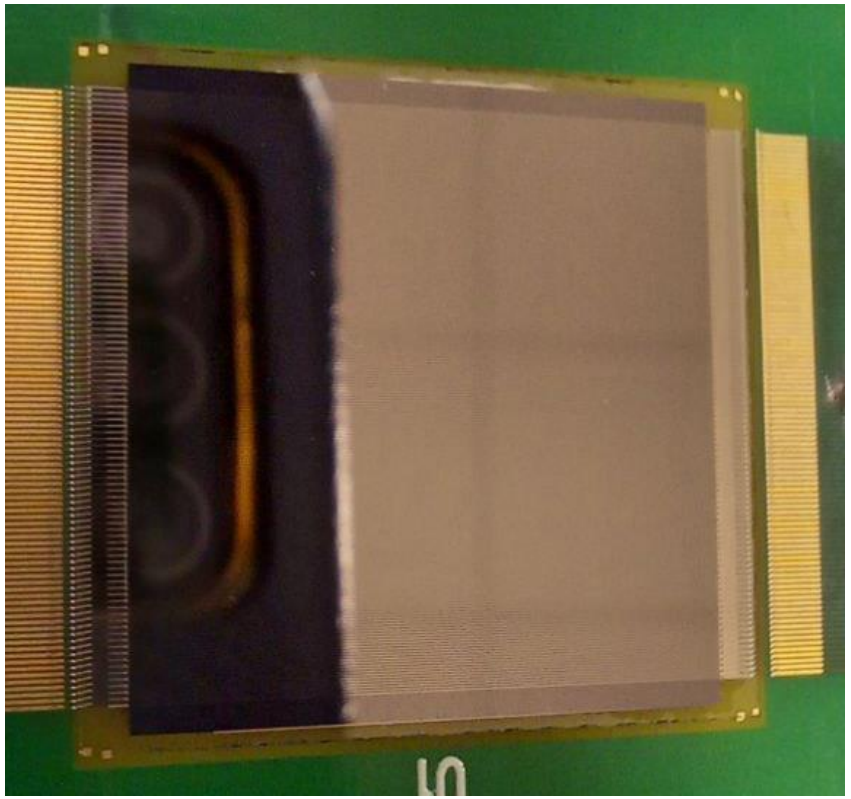
The X-ray profile is not a normal distribution.

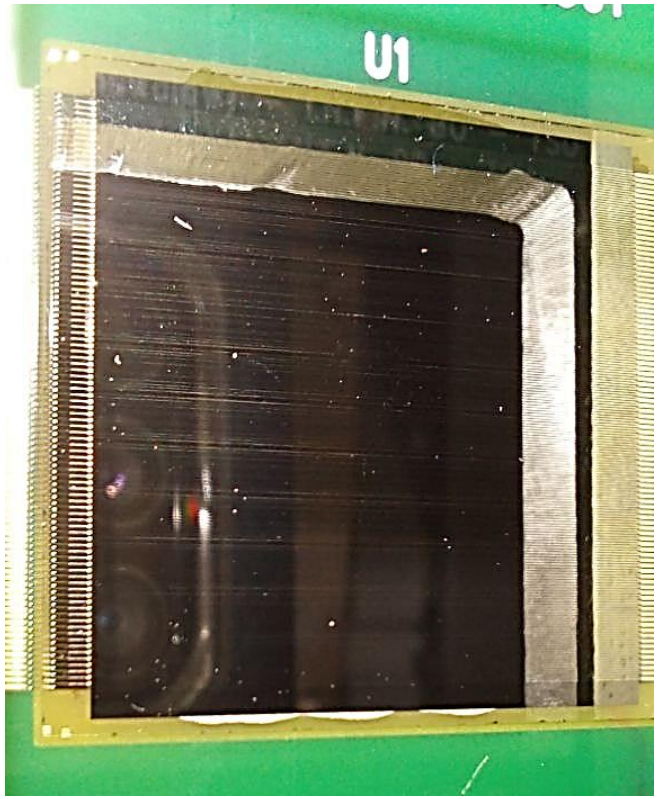
There is no information about the X-ray spot (beam size, etc.). Details are being specified and will be shared later.

The surface condition after tests

Initial

After the X-ray tests





The alternating dark and white lines appear, which coincide with the location of the strips after the X-ray treatment. The line's pitch is not regular and large than the pitch of the GBP stripes.