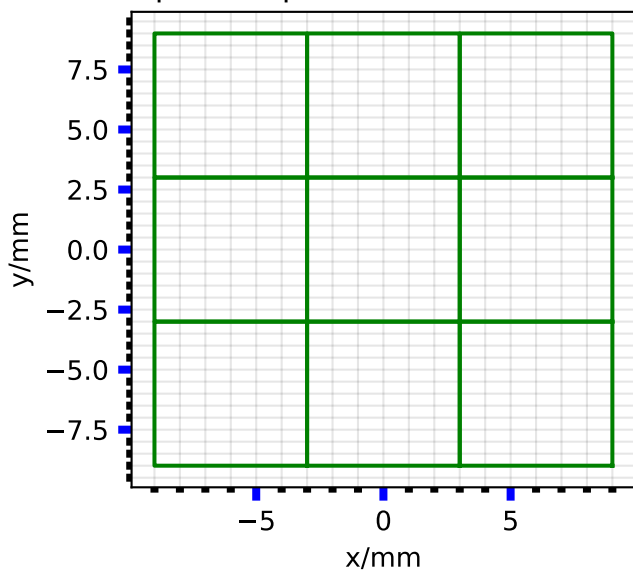
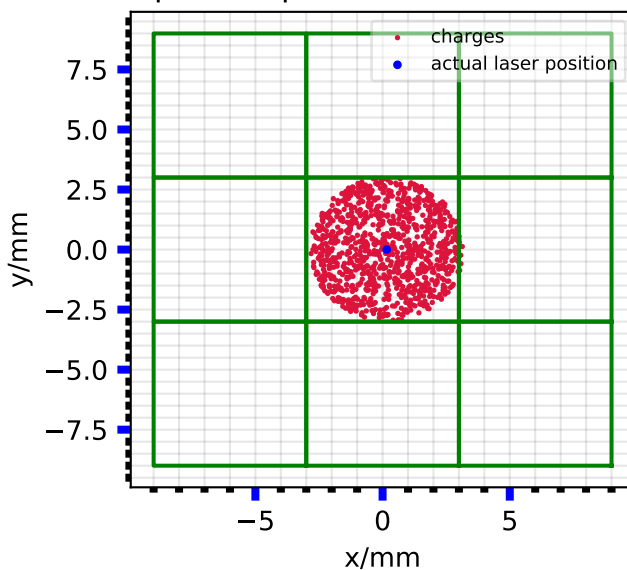


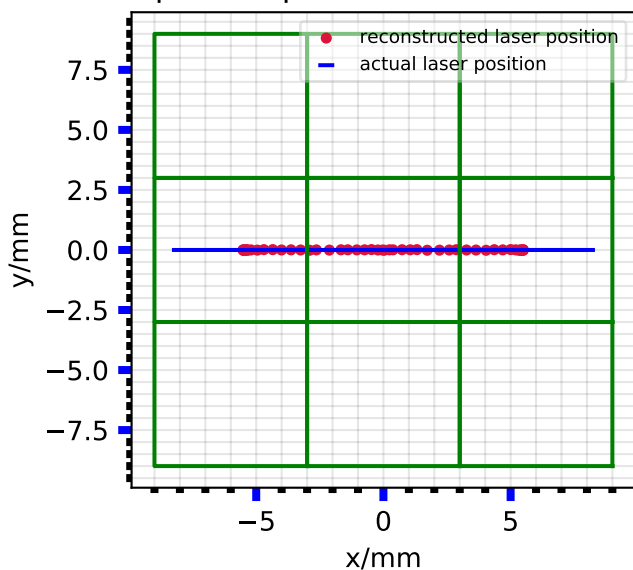
pad shape with coord in mm



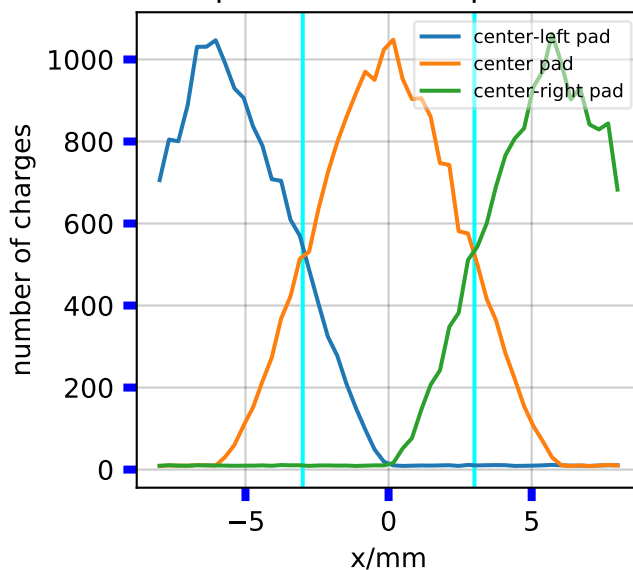
pad shape with coord in mm



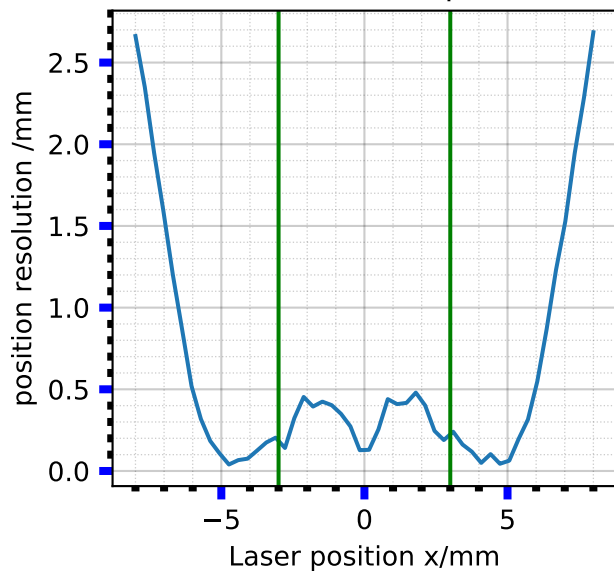
pad shape with coord in mm



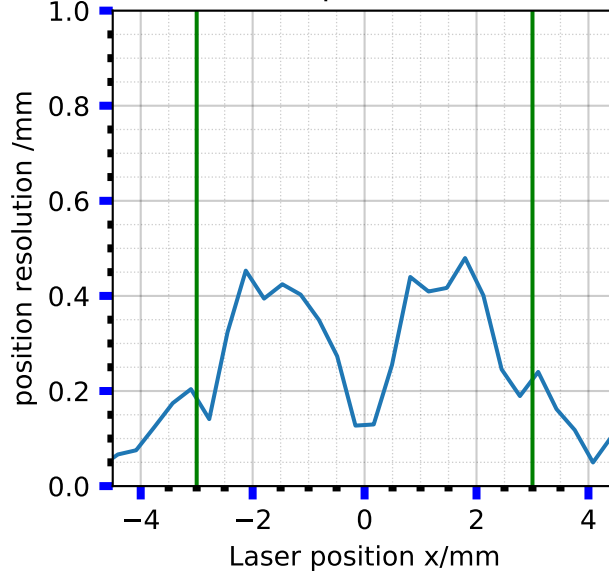
amplitude vs laser positions



resolution vs laser positions



resolution vs laser positions for central pad



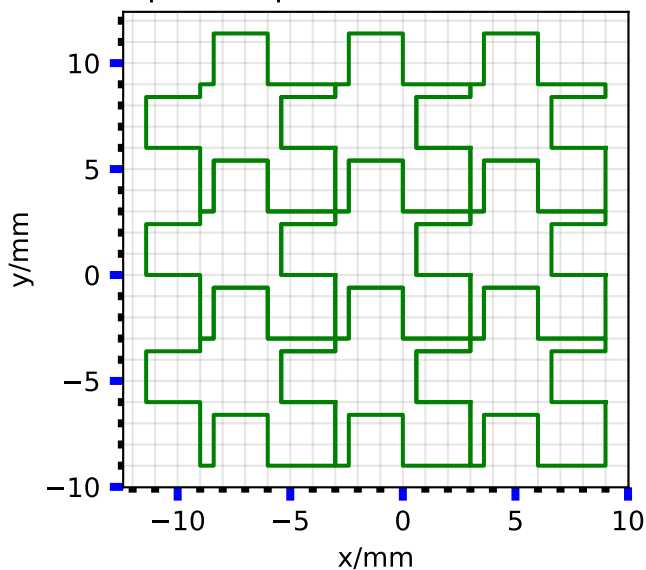
```
#shape of a pad, choose from 'regular', 'nose', 'sin'
shape:nose
#length of one unit pad, unit in mm
length:6
#if nose shape is picked, the start of a nose, range from 0 to 0.45
nose_start:0.5
nose_end:0.8
nose_height:0.4
sin_height:0.3

#radius of a laser spot, unit in mm
radius:3
charges:1000
noise_mean:1e-2
noise_variance:1e-3
uncertainty:0.1

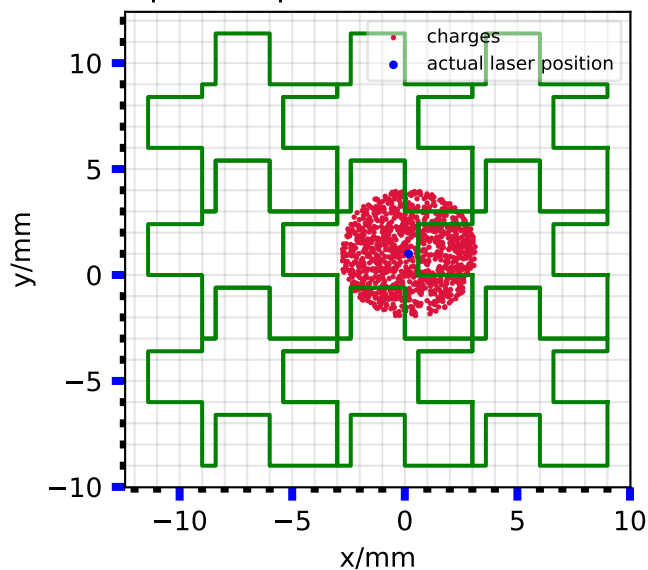
#define simulation
average:2
laser_positions:50
start:[-8,1]
end:[8,1]

#draw graph
compare:yes
```

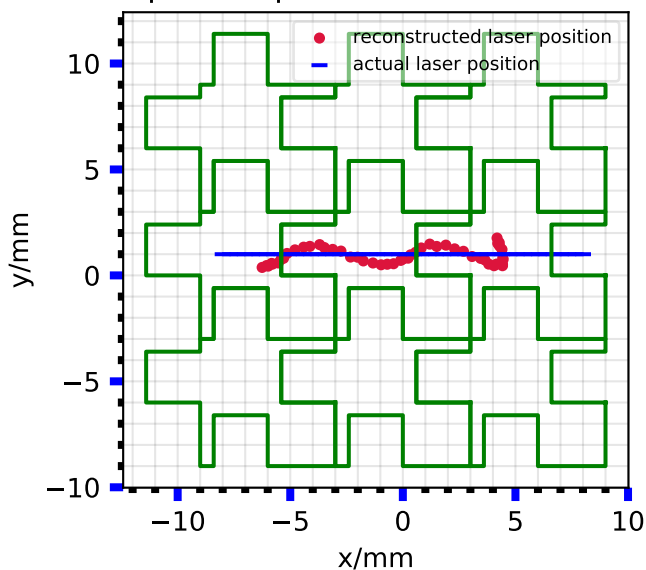
pad shape with coord in mm



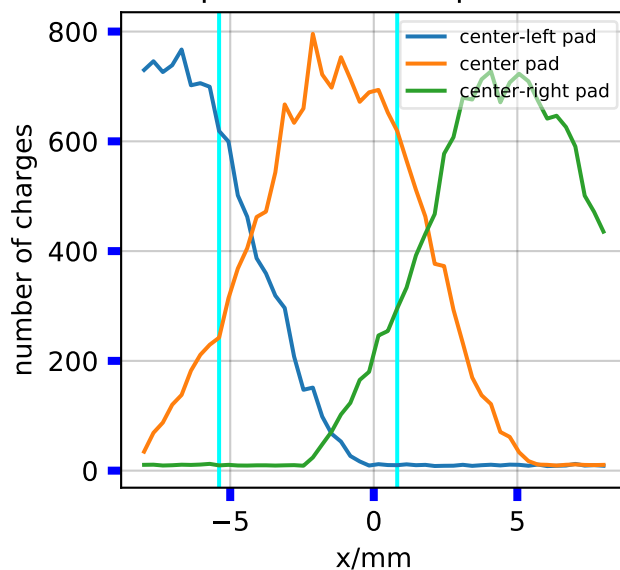
pad shape with coord in mm



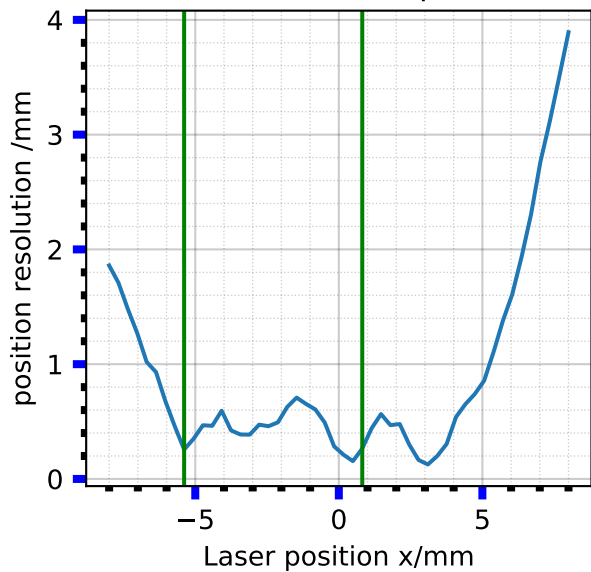
pad shape with coord in mm



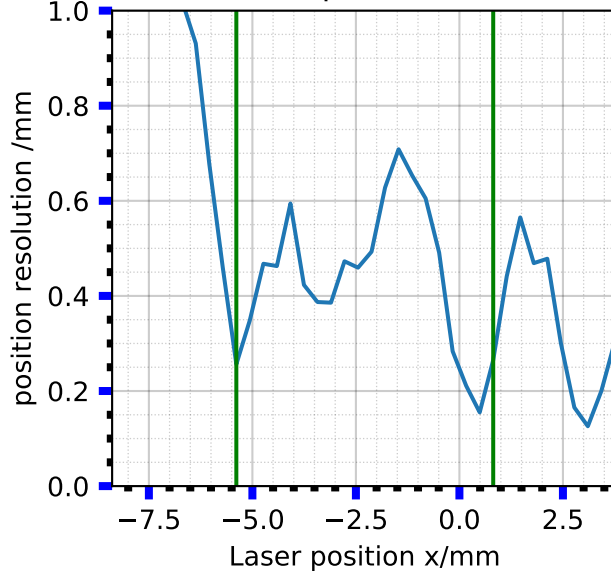
amplitude vs laser positions



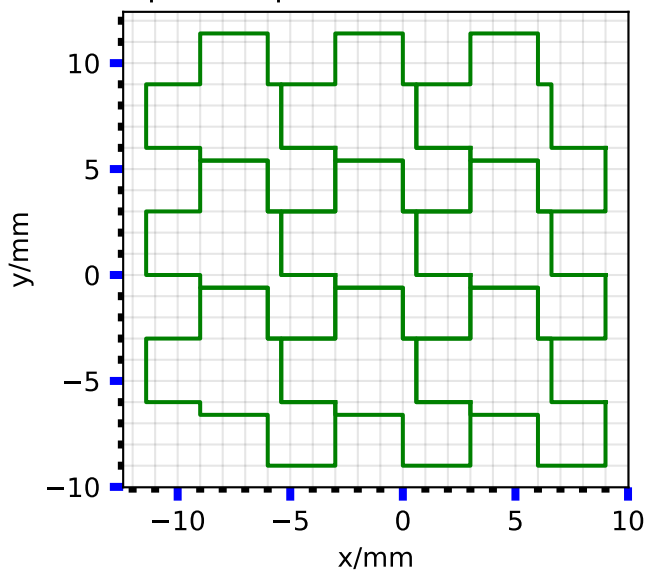
resolution vs laser positions



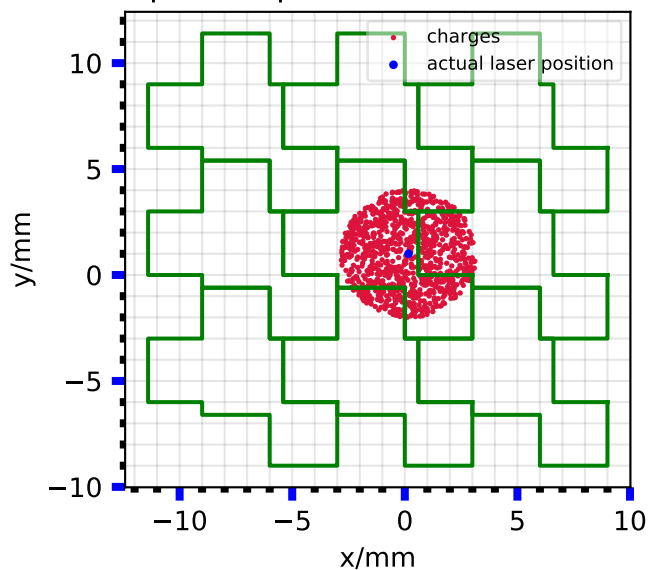
resolution vs laser positions for central pad



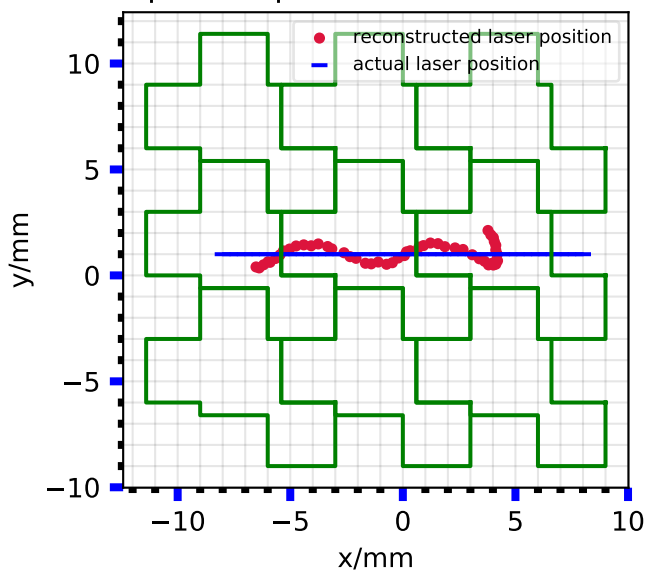
pad shape with coord in mm



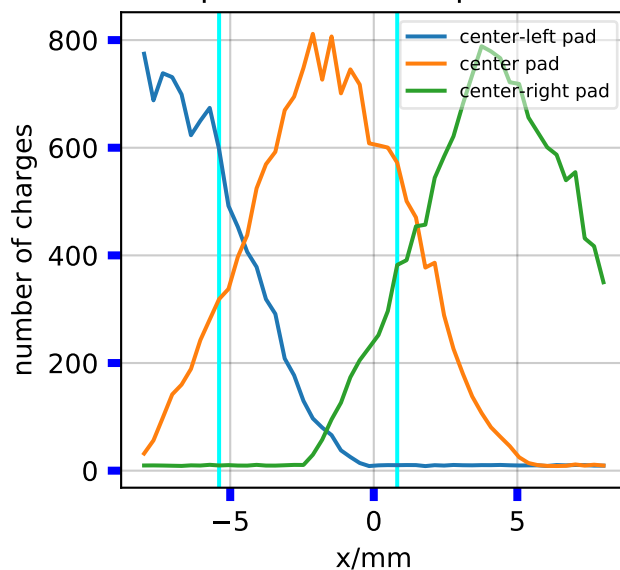
pad shape with coord in mm



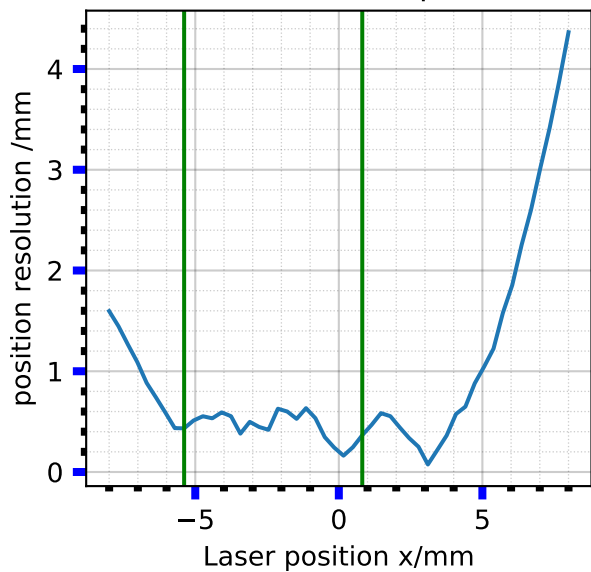
pad shape with coord in mm



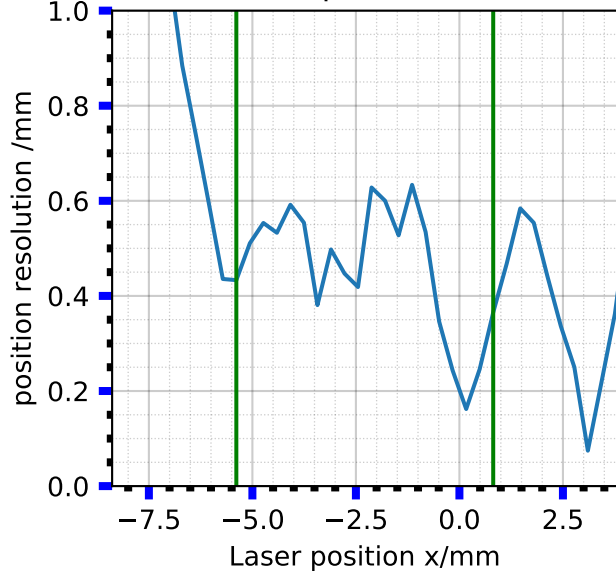
amplitude vs laser positions



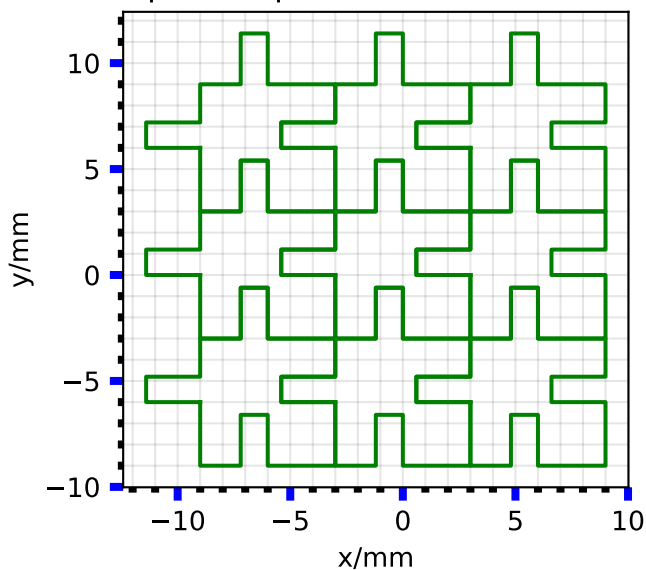
resolution vs laser positions



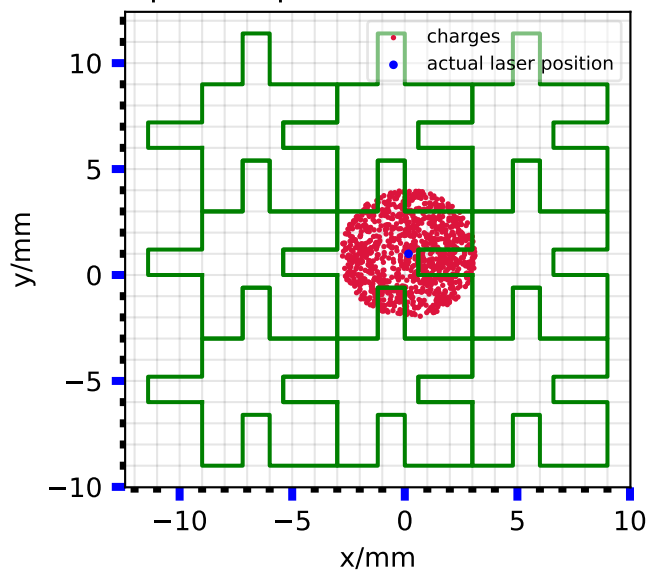
resolution vs laser positions for central pad



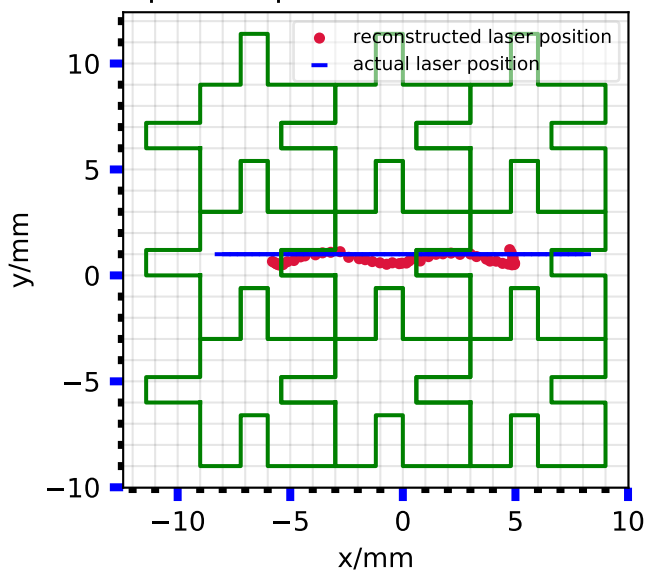
pad shape with coord in mm



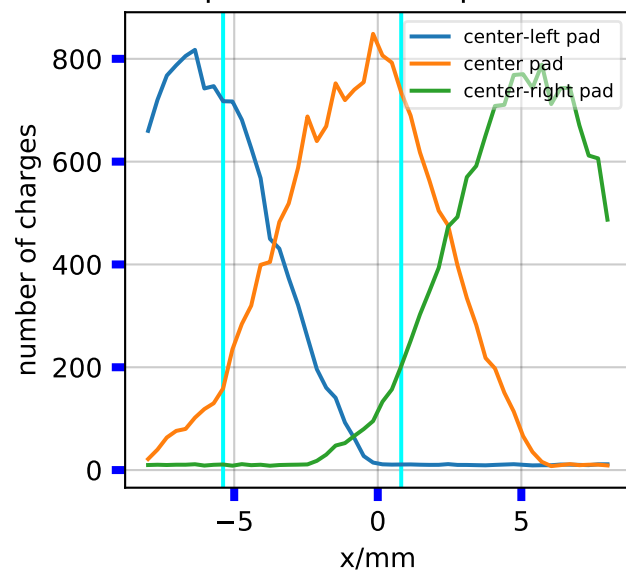
pad shape with coord in mm



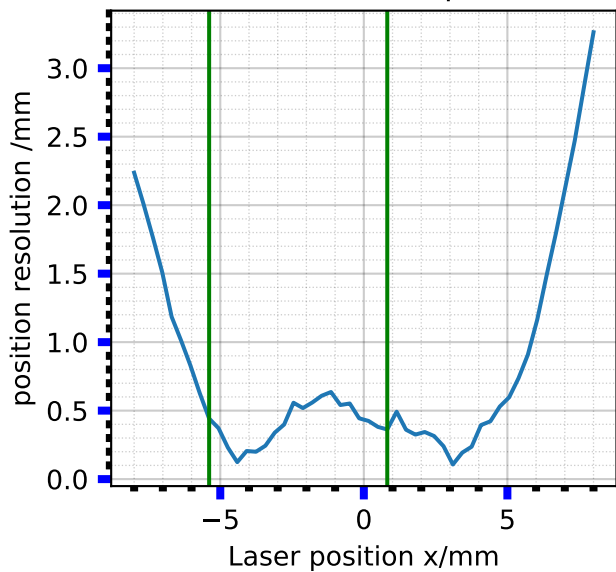
pad shape with coord in mm



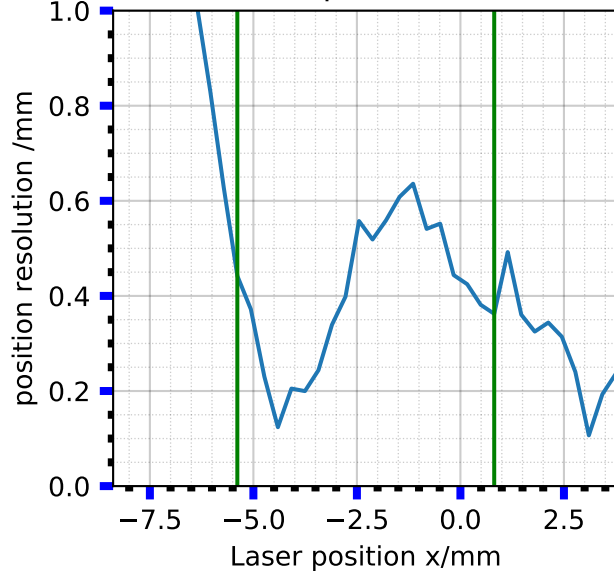
amplitude vs laser positions



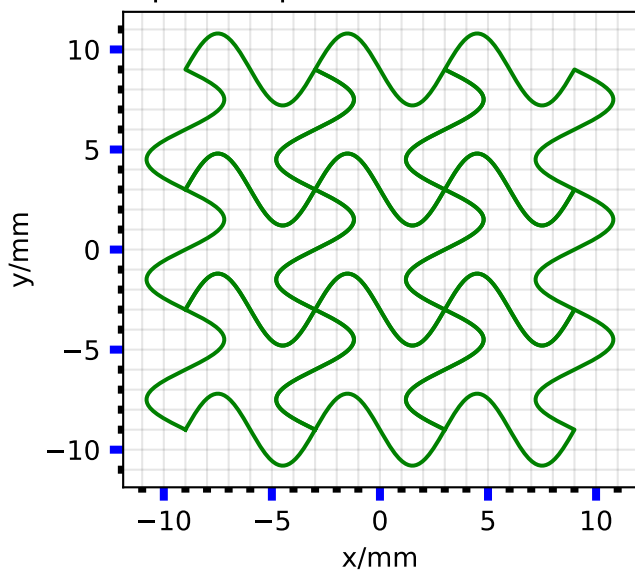
resolution vs laser positions



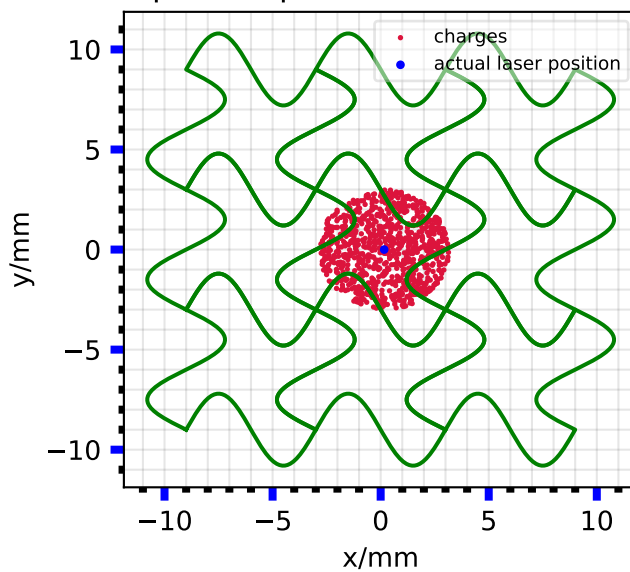
resolution vs laser positions for central pad



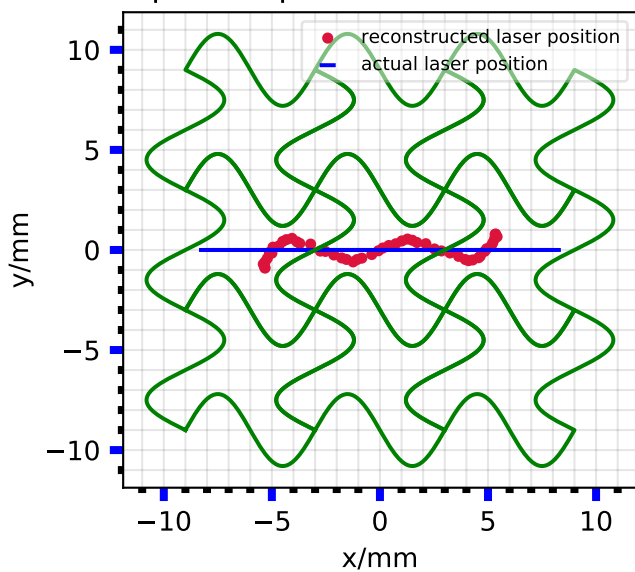
pad shape with coord in mm



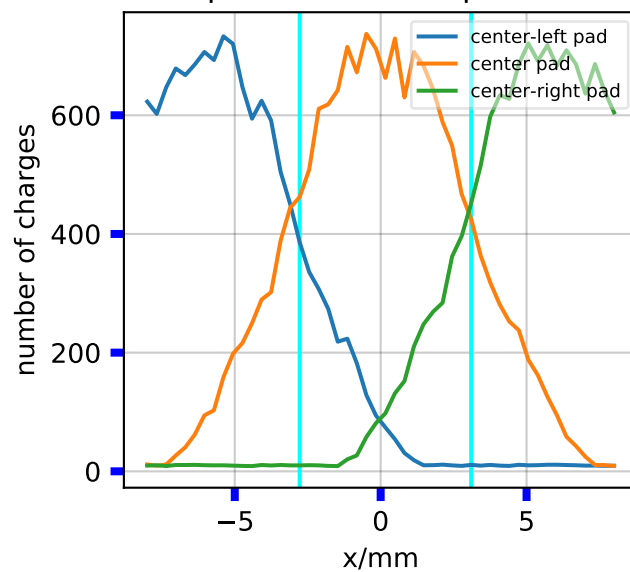
pad shape with coord in mm



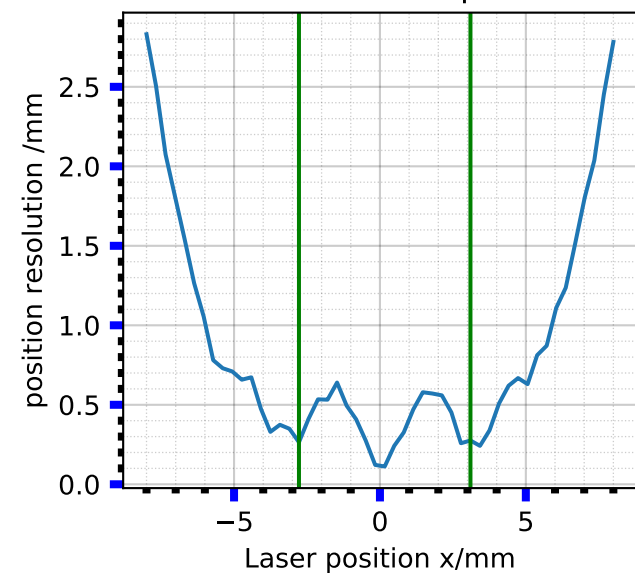
pad shape with coord in mm



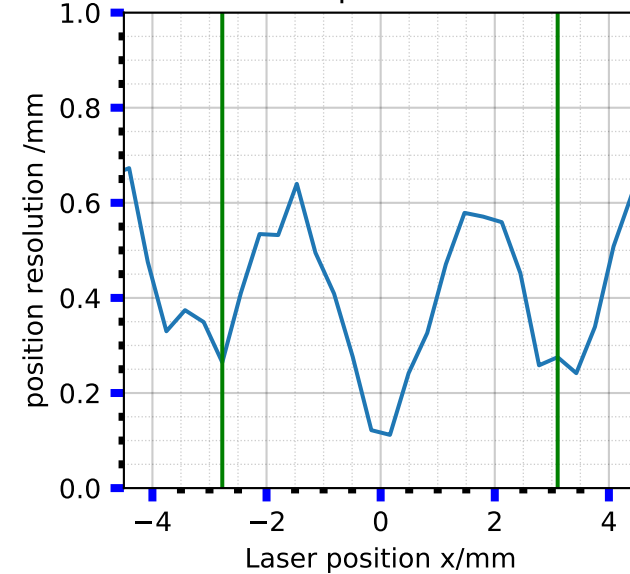
amplitude vs laser positions



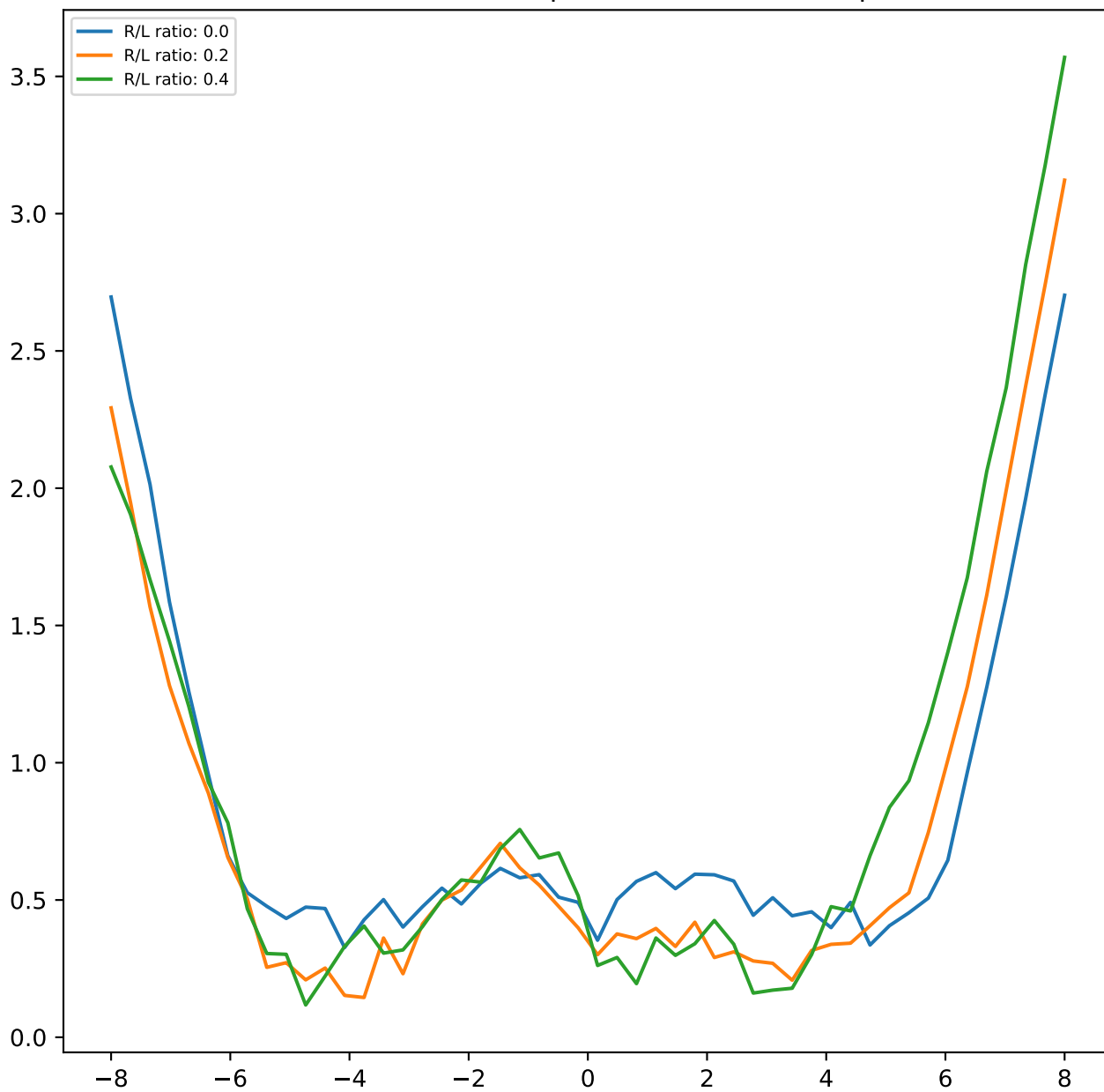
resolution vs laser positions



resolution vs laser positions for central pad



resolution vs laser positions for nose shape



resolution vs laser positions for sin shape

