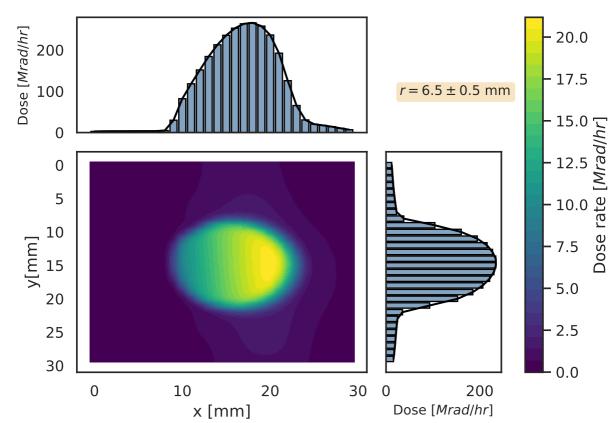
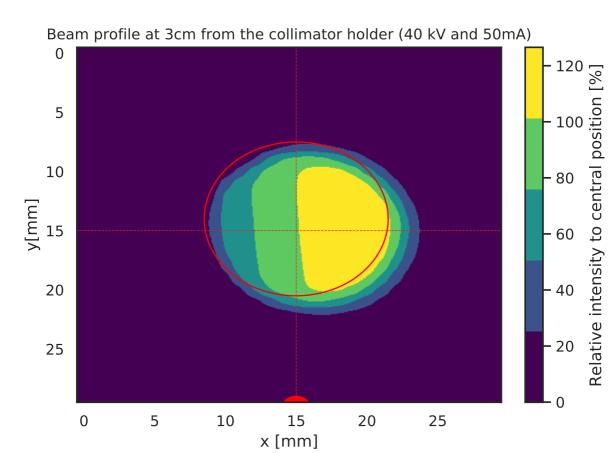


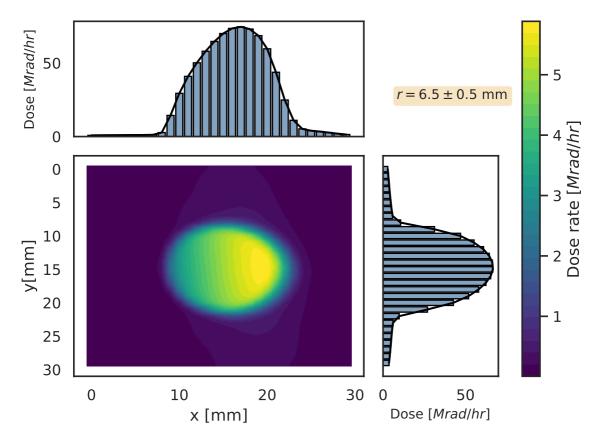
(40 kV and 50 mA) with\_Al\_Filter Dose rate (R) [Mrad(sio<sub>2</sub>)/hr]  $R = \frac{a}{(h+b)^2} - C$ 

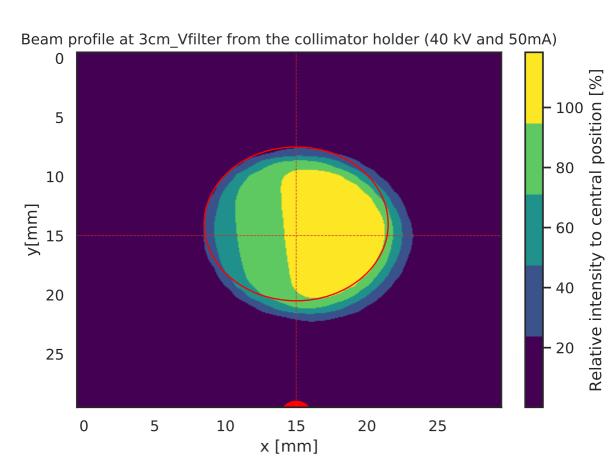
Beam profile at 3cm from the collimator holder (40 kV and 50mA)



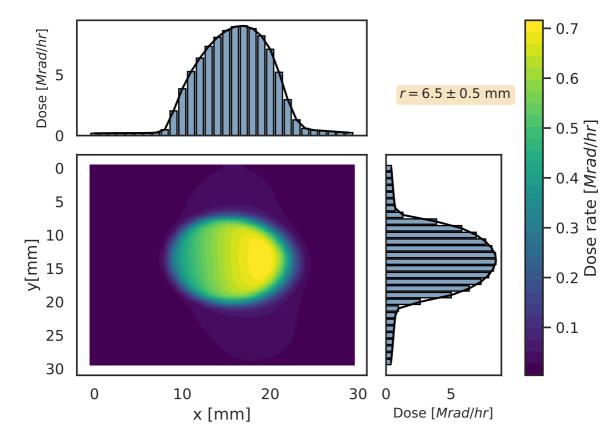


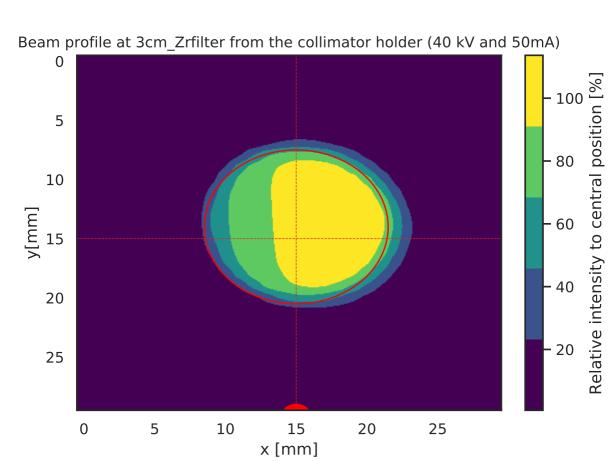
Beam profile at 3cm\_Vfilter from the collimator holder (40 kV and 50mA)





Beam profile at 3cm\_Zrfilter from the collimator holder (40 kV and 50mA)





Beam profile at 3cm collimator from the collimator holder (40 kV and 50m/ Dose [Mrad/hr] 17.5 100 15.0 50  $r = 3.75 \pm 0.05 \text{ mm}$  $r_{collimator} = 6 \text{ mm}$ 0 12.5 0 10.0 7.5 y[mm] 10 5.0 15 2.5 20

15

20

5

0

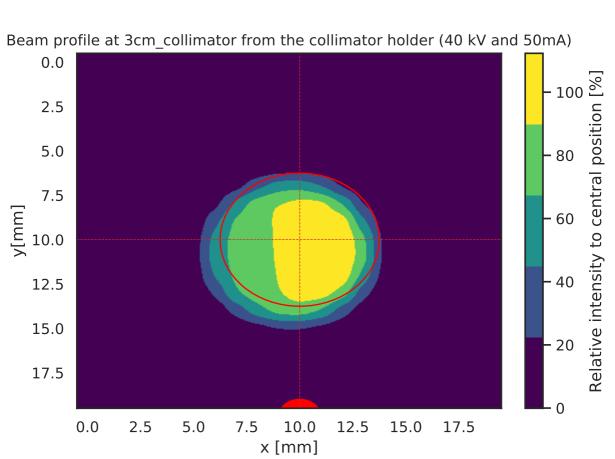
10

x [mm]

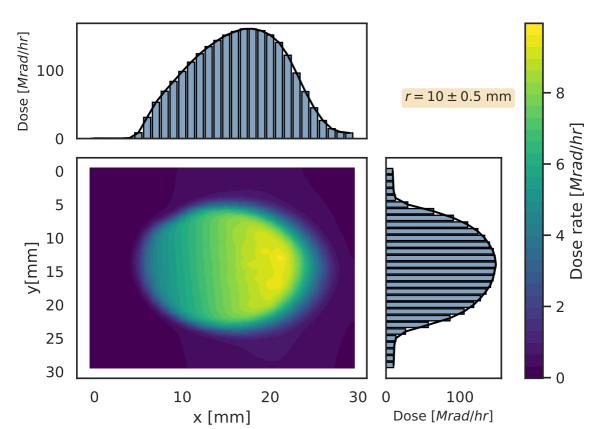
0.0

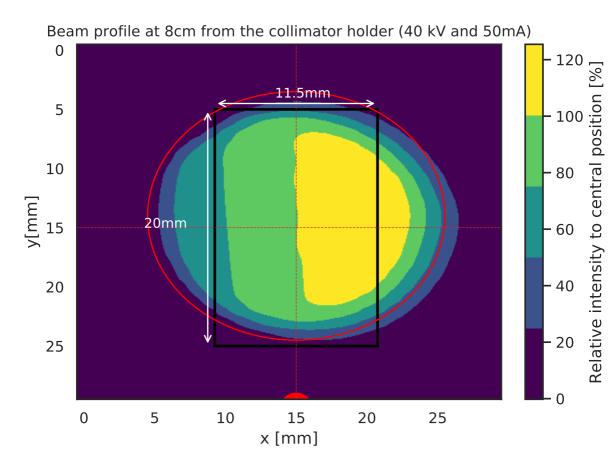
100

Dose [Mrad/hr]



Beam profile at 8cm from the collimator holder (40 kV and 50mA)





Beam profile at 60cm from the collimator holder (40 kV and 50mA)

