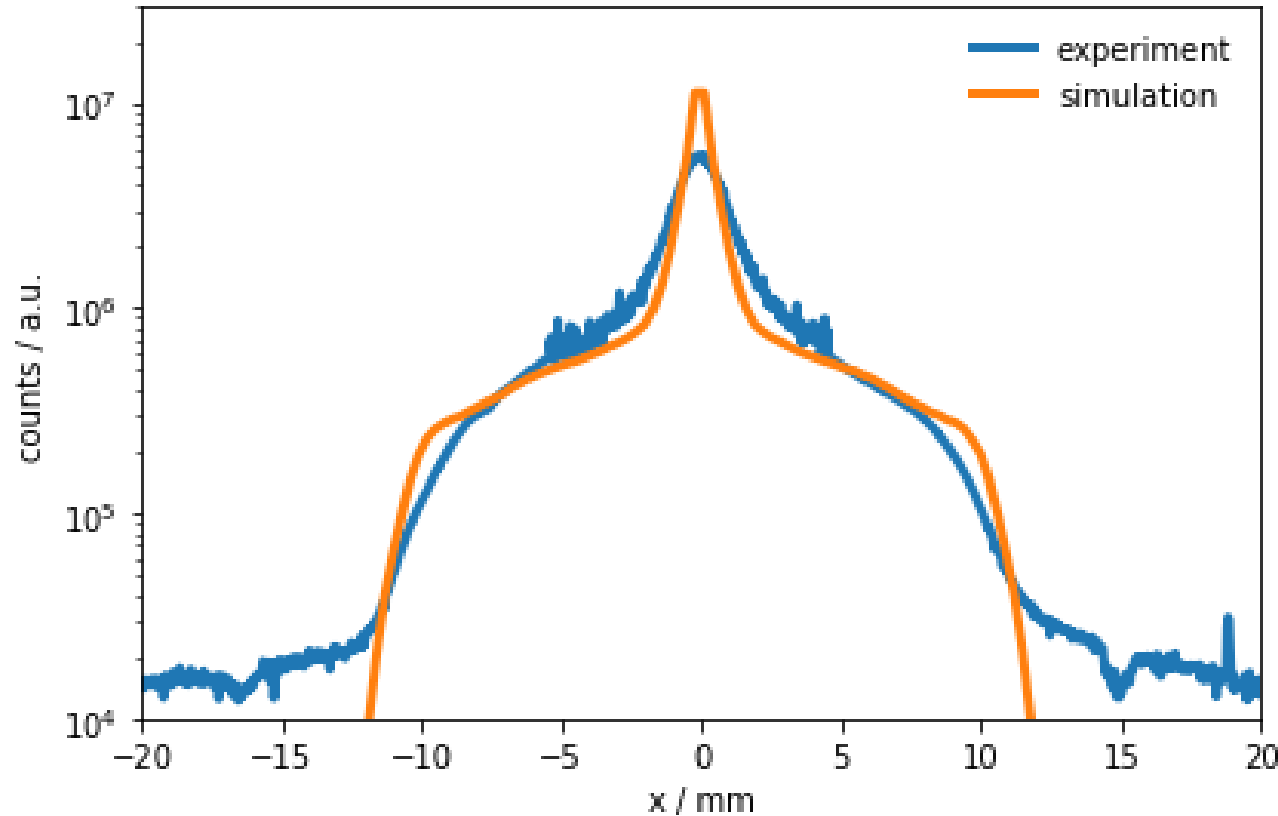


## Defocused proton analysis: simulation-experiment



$N_p = 2.7e11$

$\sigma_z = 277$  ps

$n_{pe} = 1.957e14/ccm$

gradient = +0.26% over 10m

seed =  $1/4 * \sigma_z$

- Simulation: Proton bunch distribution after 10m propagated to IS2.
- Good agreement in shape, amplitude and maximum radius of the defocused proton distribution.
- Bunch core blurred by limited camera resolution?