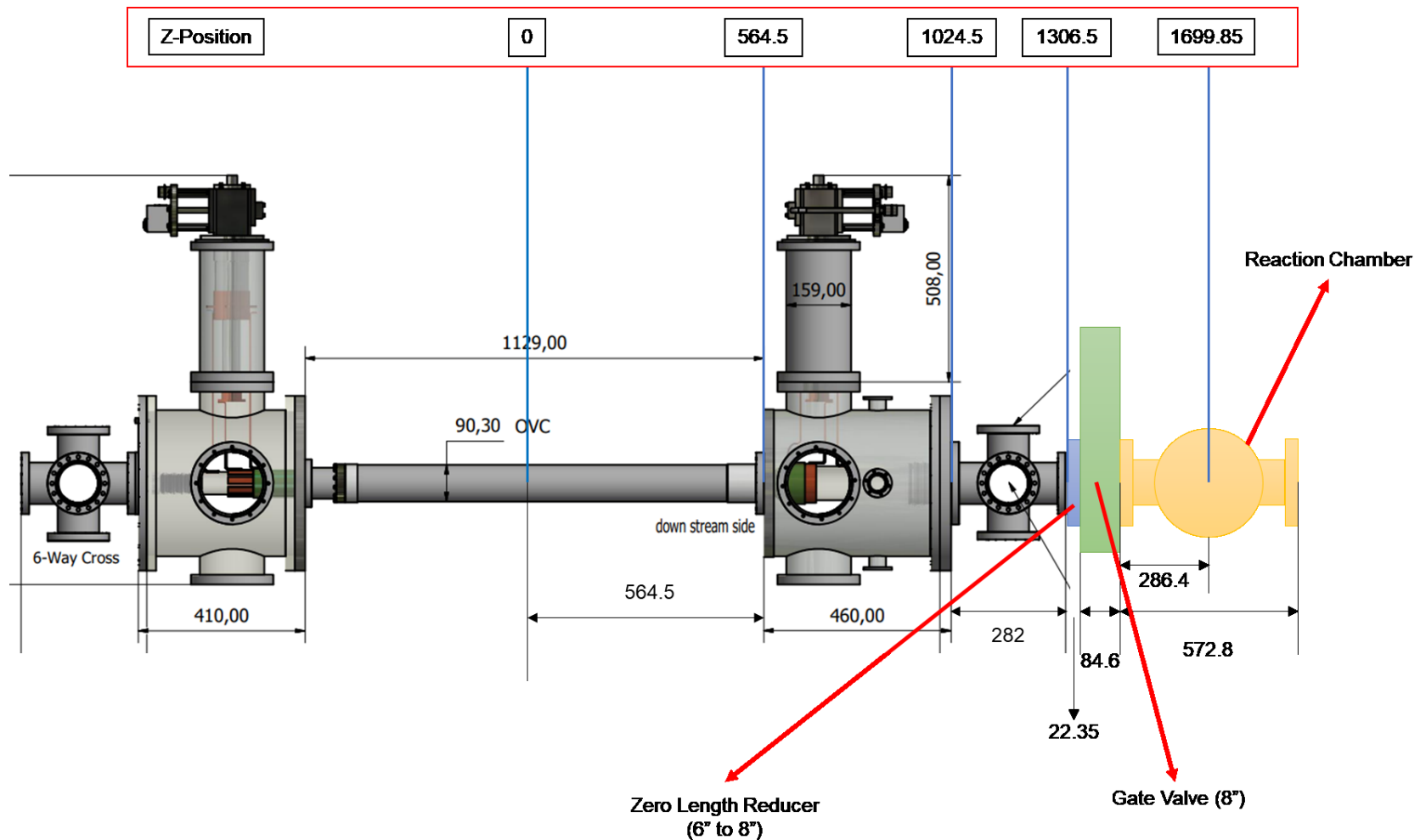


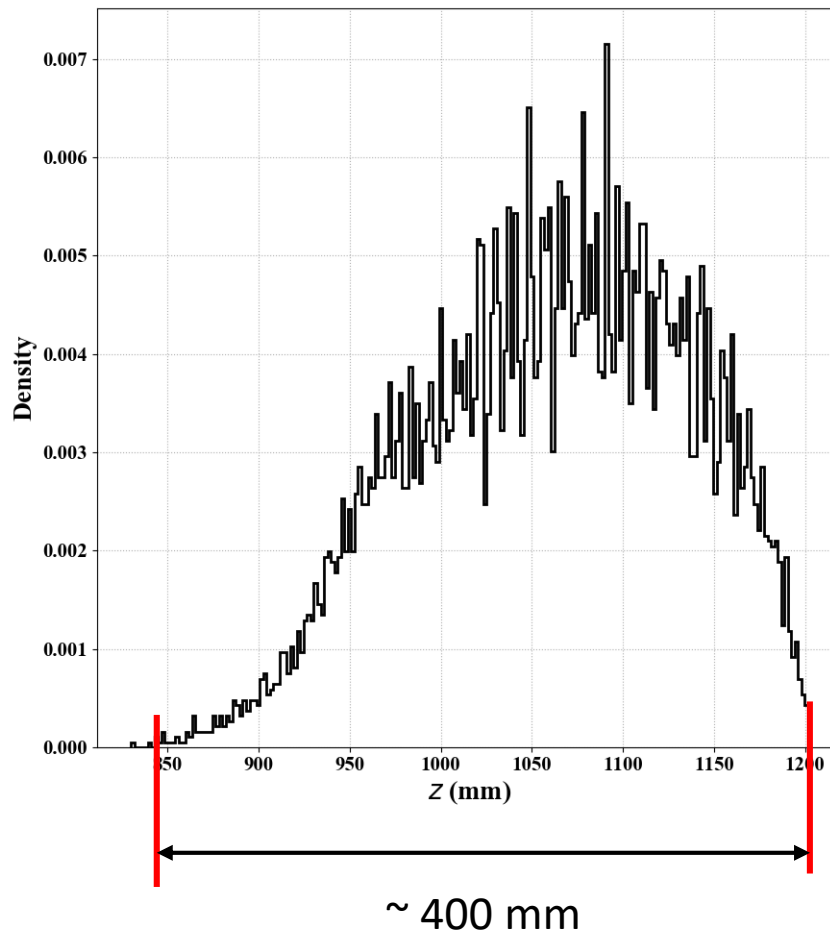
Meeting 0531

Kyoung-Hun Yoo

Overall Dimension

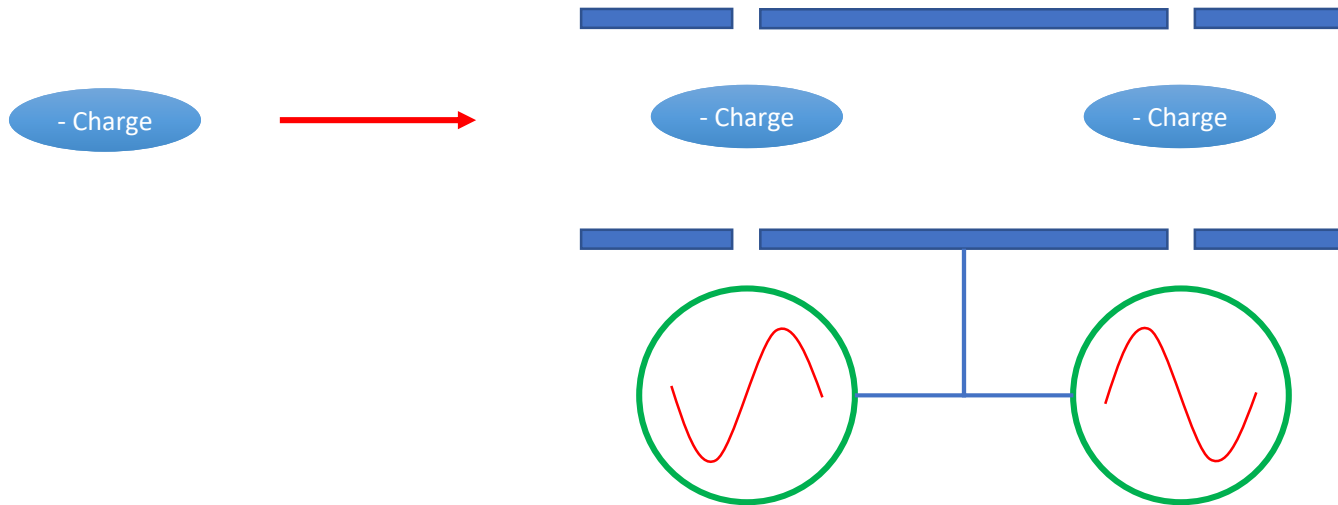


Spatial Bunch Length (1 keV)

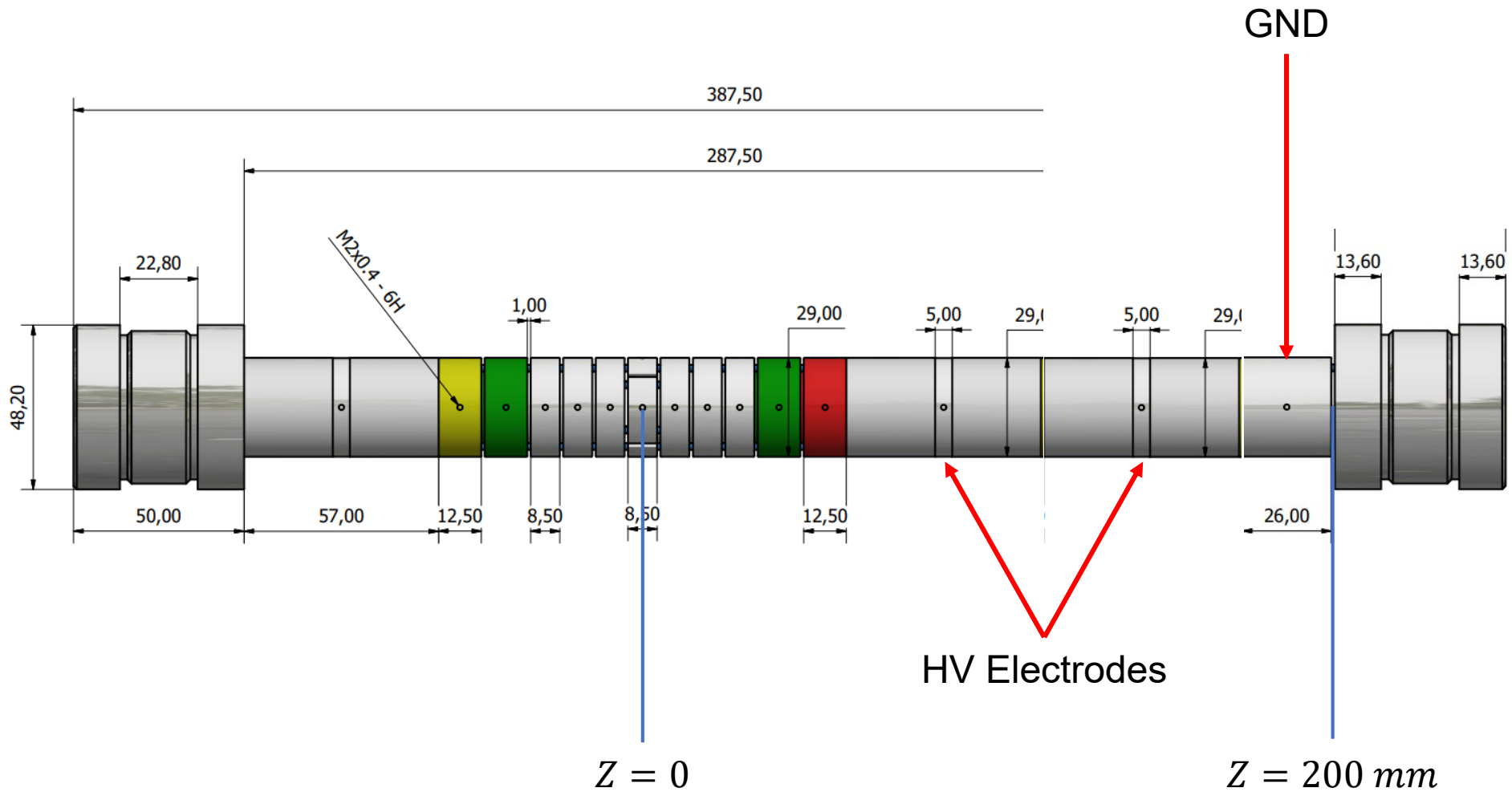


To decelerate beam, bunch should be compressed

Double Gap Buncher

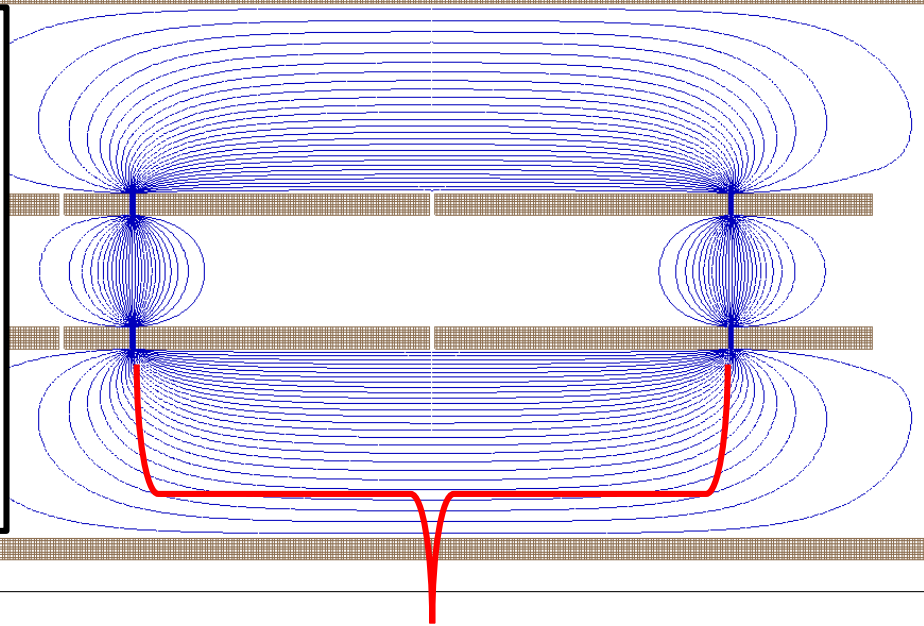
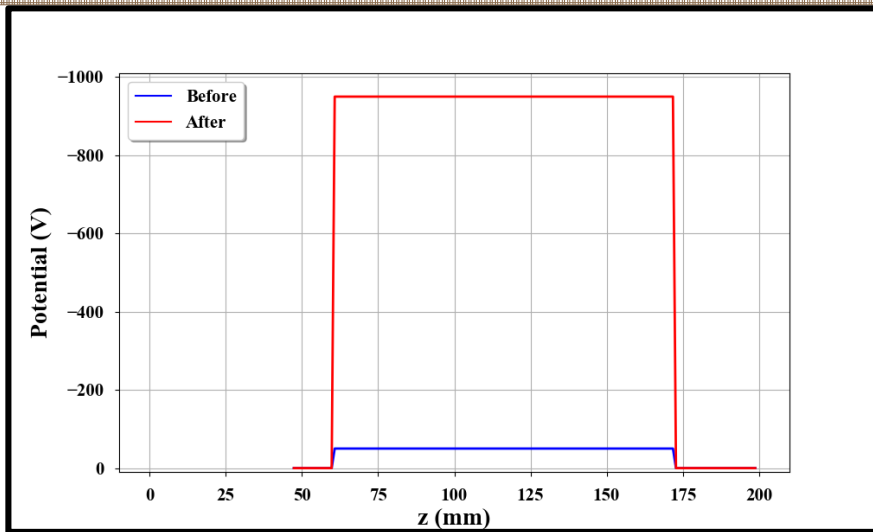


Electrodes Set



Acceleration

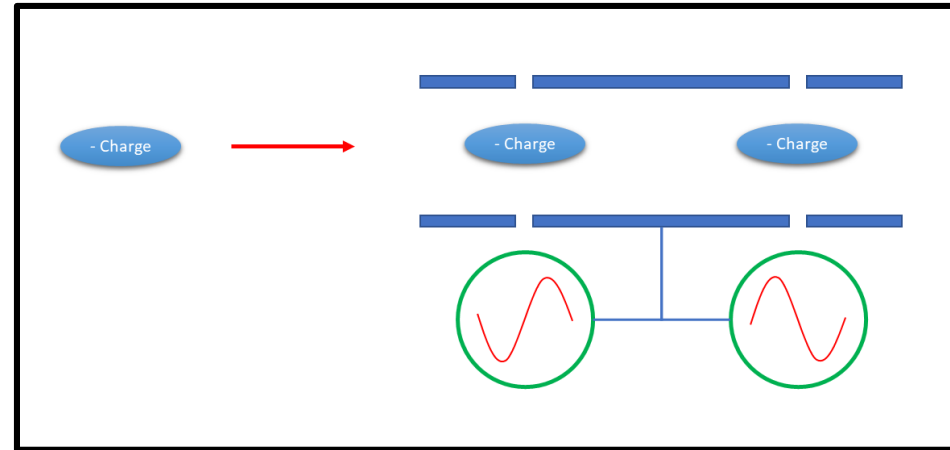
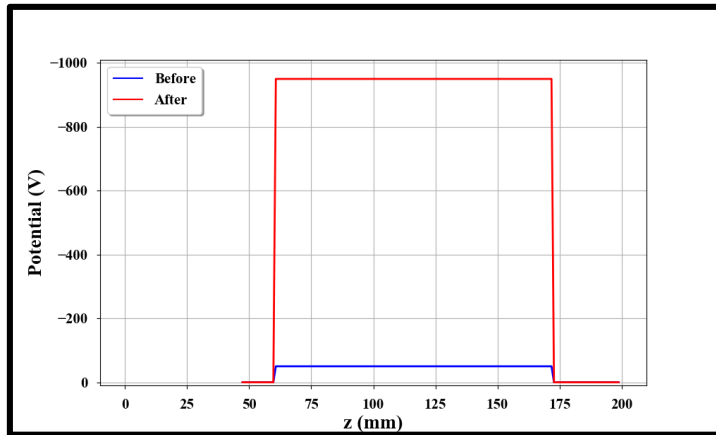
1 ~ 6 keV



~ 110 mm

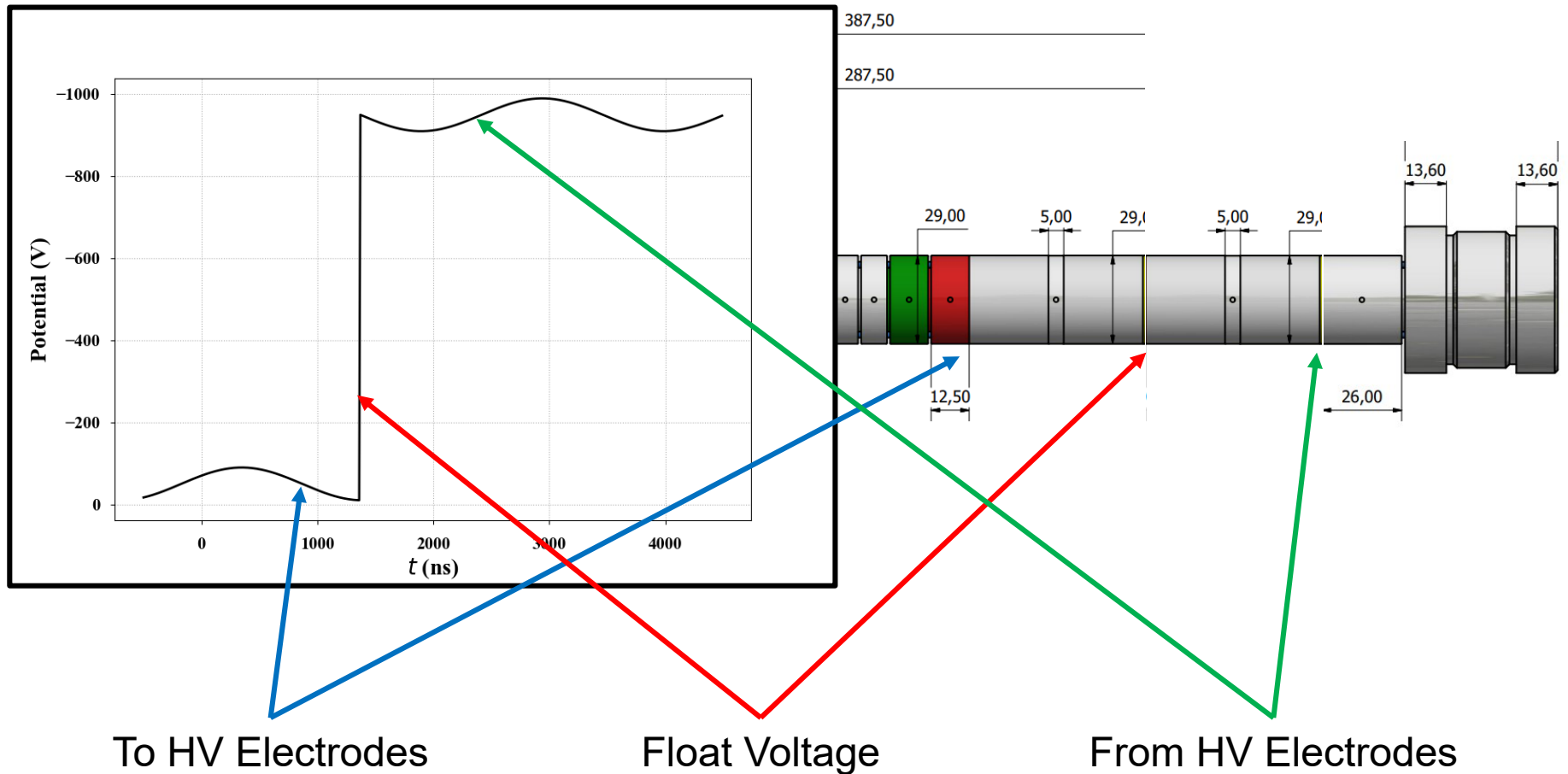
Idea

Acceleration + Double Gap Buncher



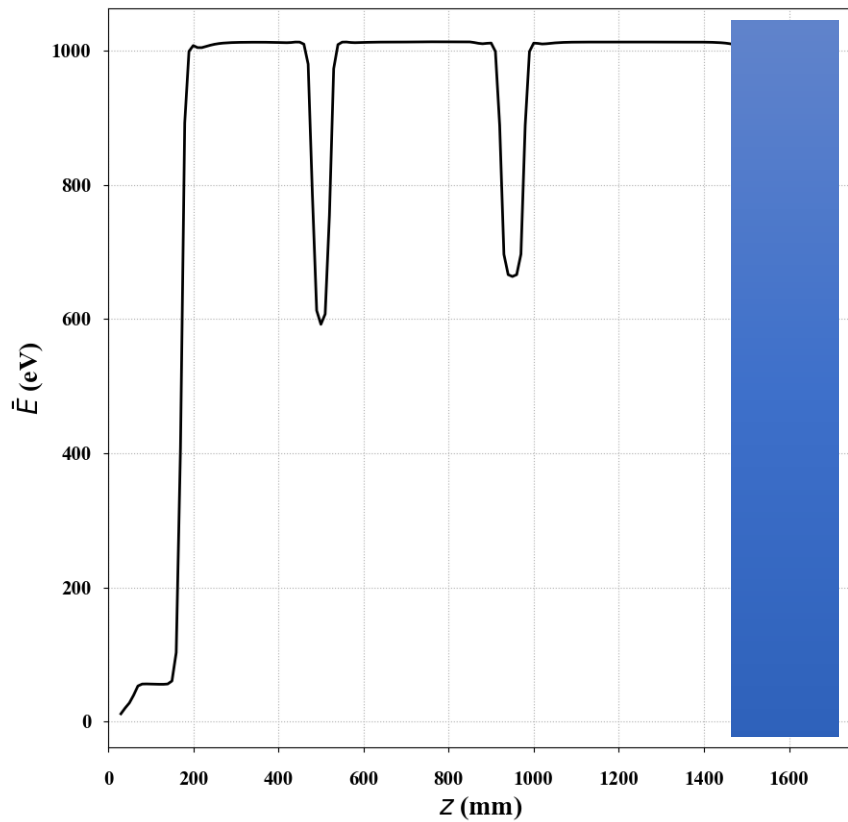
Idea

Acceleration + Double Gap Buncher

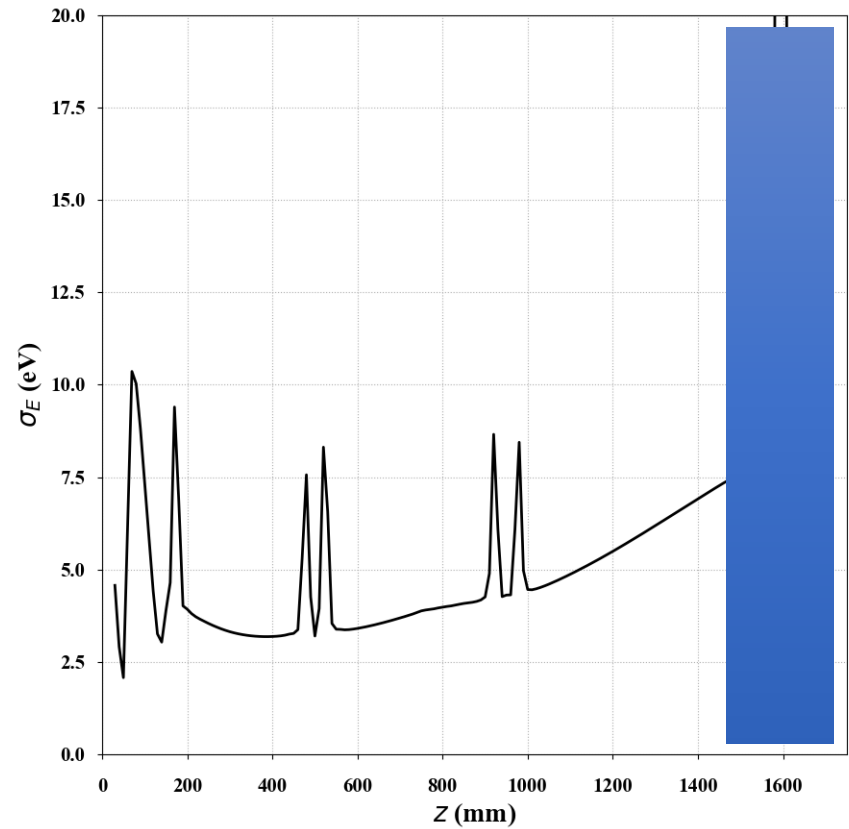


Simulation

Mean Energy

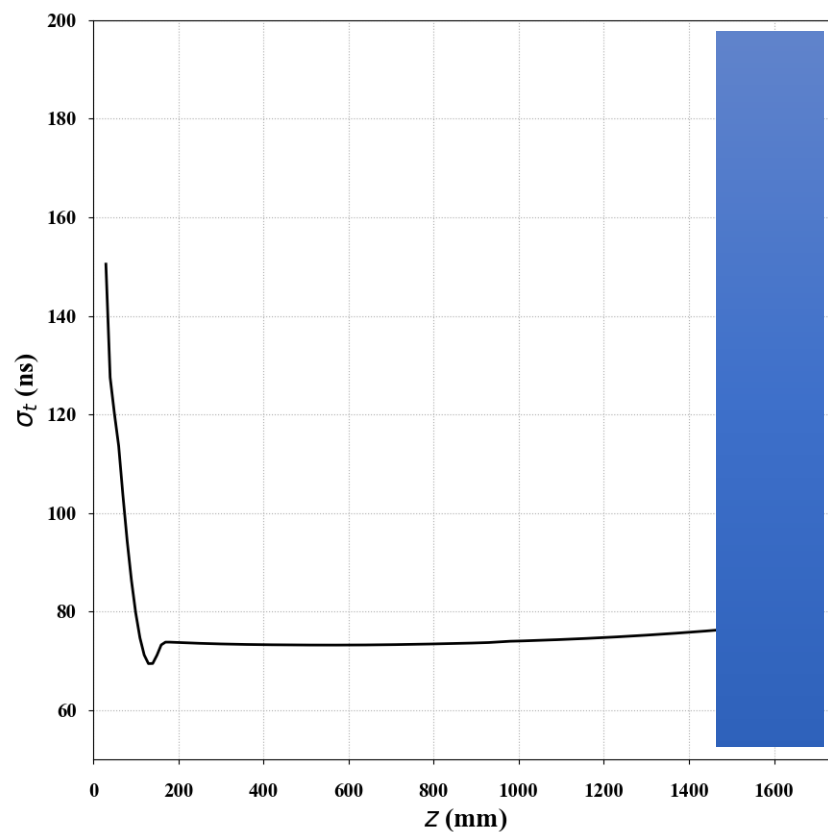


Energy Spread



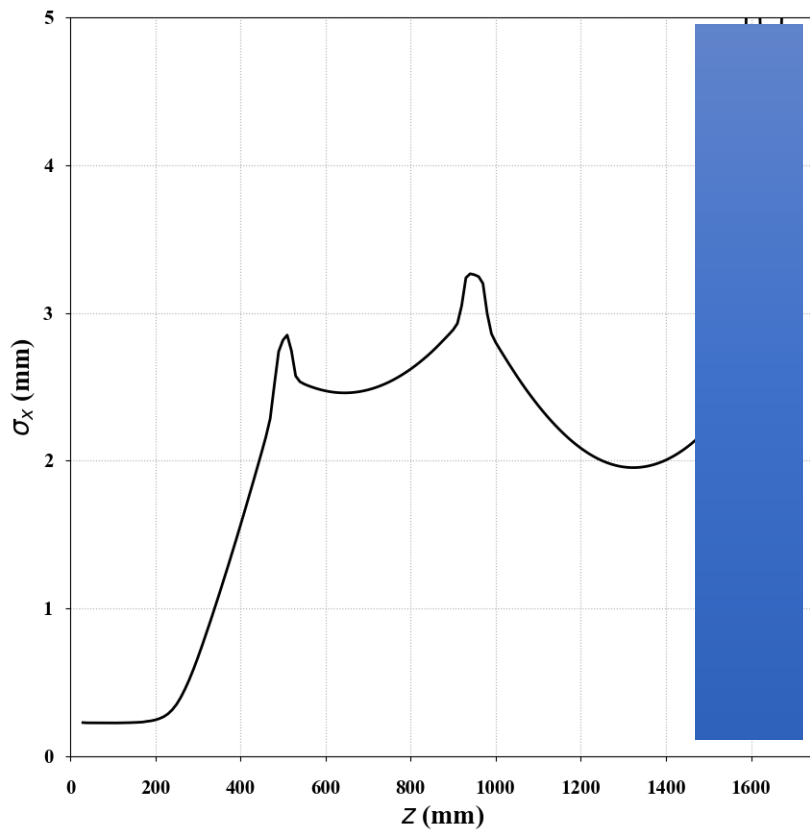
Simulation

RMS Beam Length (t)

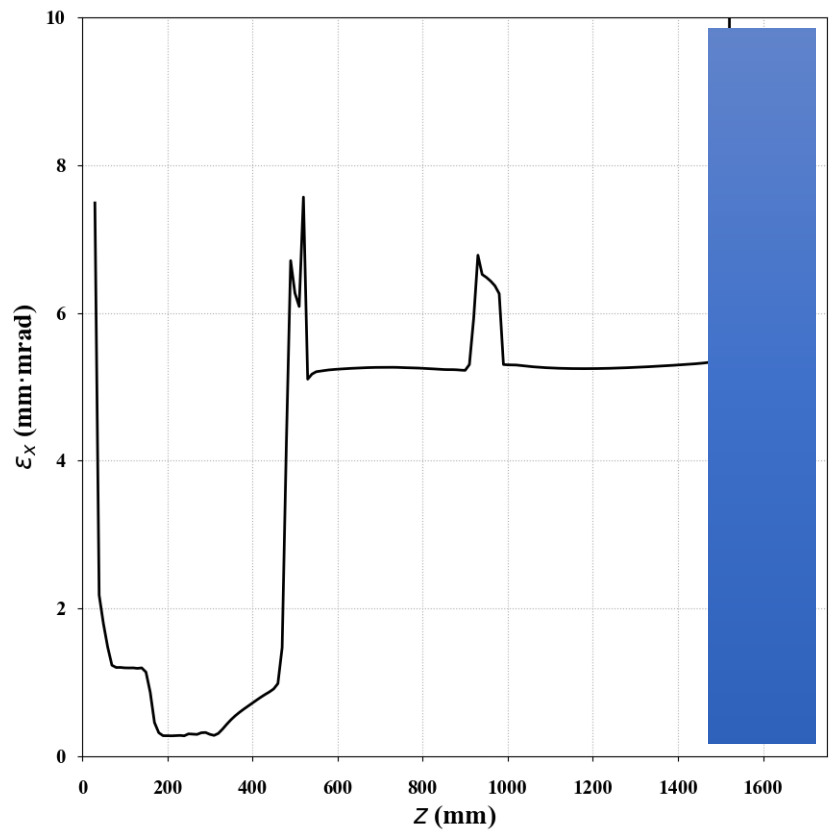


Simulation

RMS Beam Size (x)

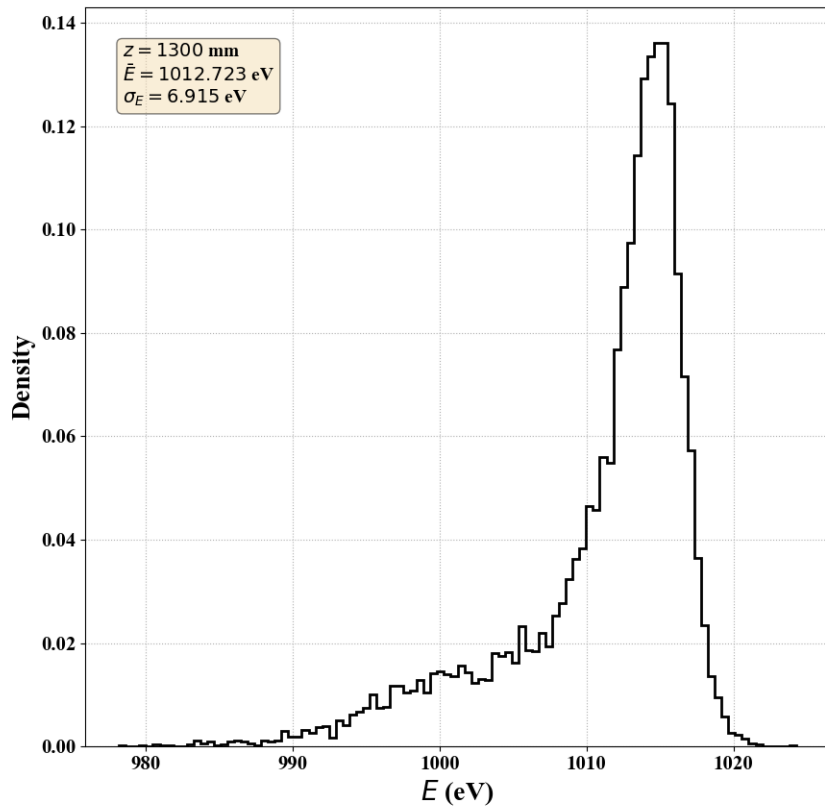


Emittance (x)

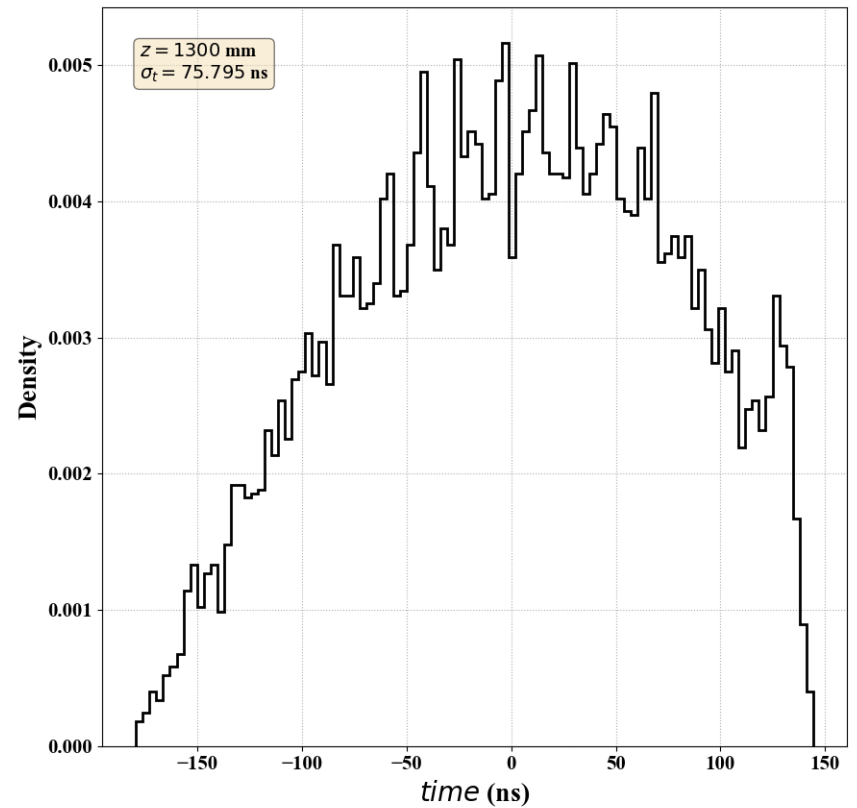


Simulation

Energy Distribution

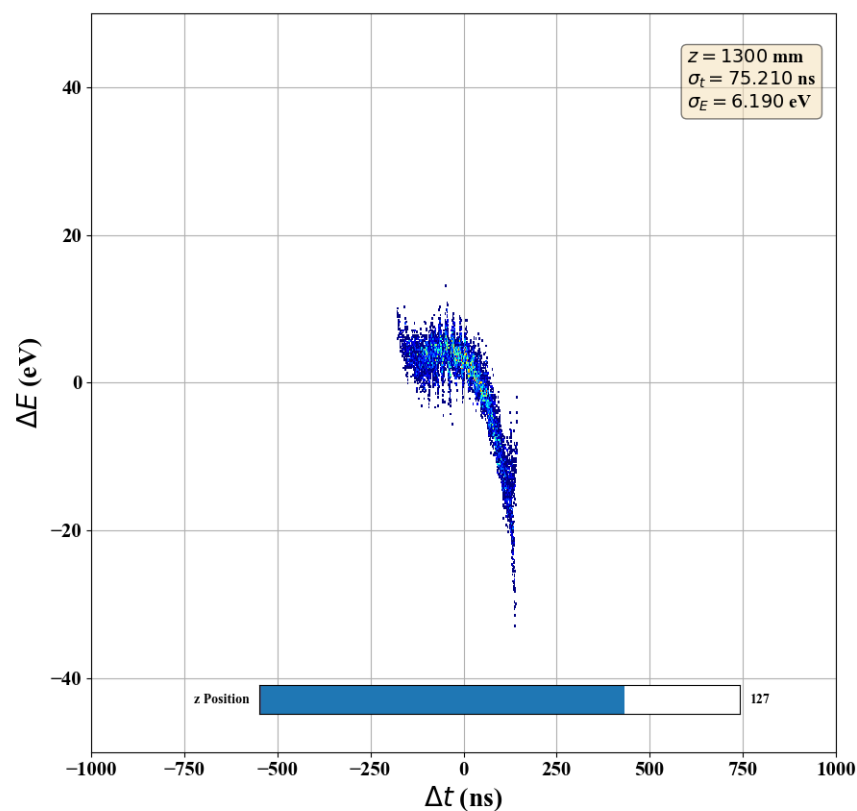


Time Distribution



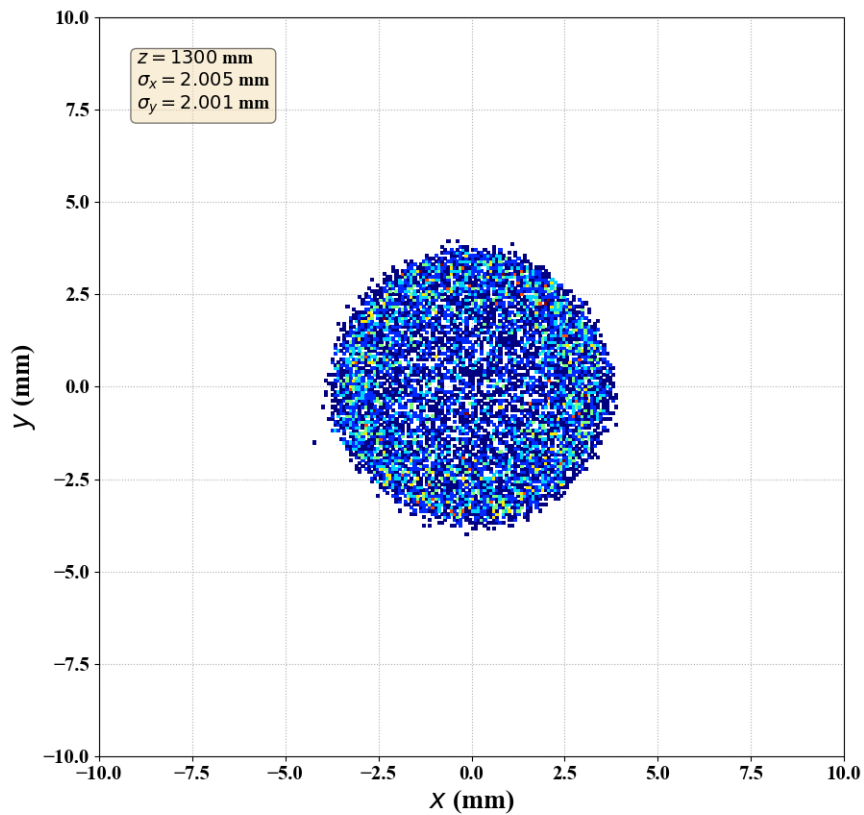
Simulation

Longitudinal Phase Space



Simulation

Transverse Distribution



Transverse Phase Space

