

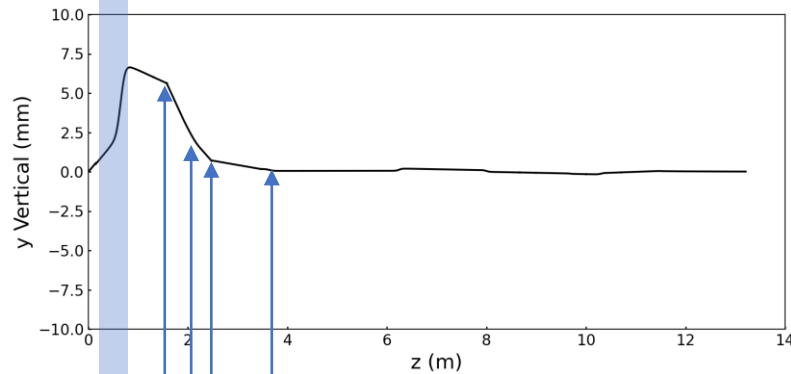
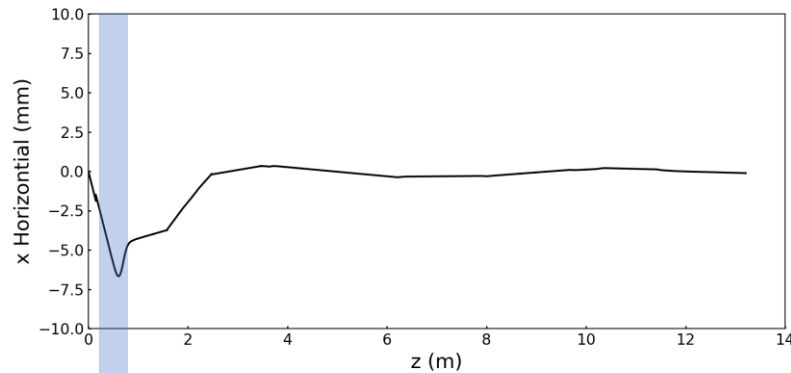
Impact-T Simulation in Misaligned CeC Beamline

KS

29/7/2022

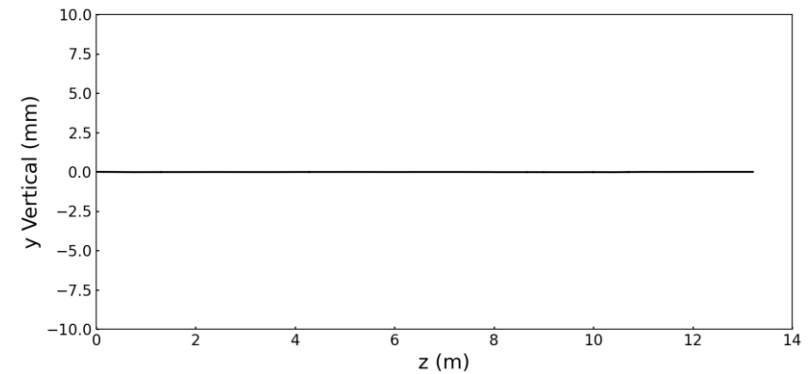
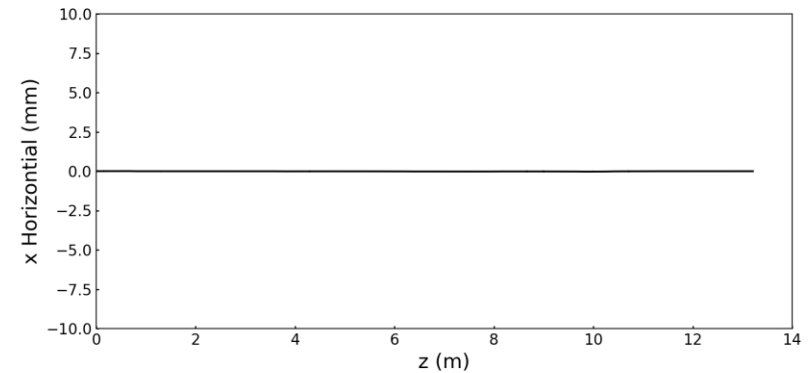
CeC 4/09/2022 . Bun 175kV
Core sim. Bun 205kV
200k particles

3D misaligned



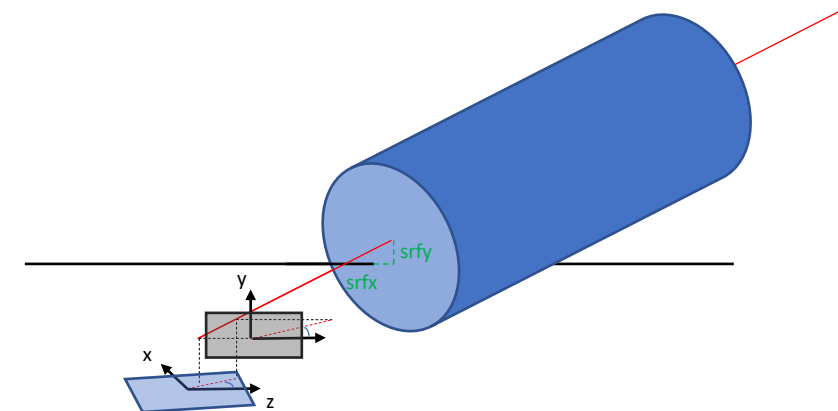
Beam center tracks

2D on-axis



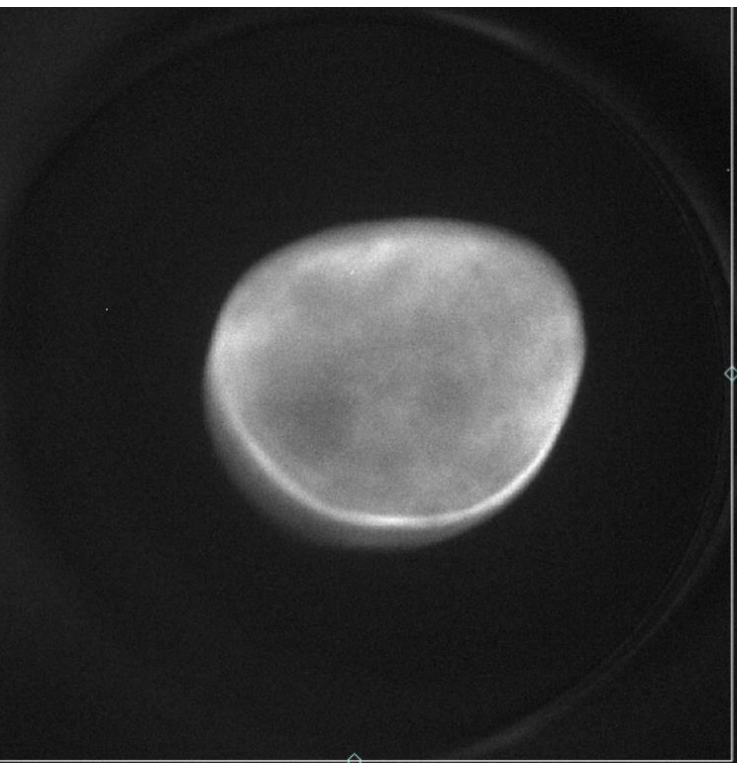
SRF Sol

srfxang = 3.7492; %mrad
srfyang = -12.5445; %mrad
srfx = -7.931; %mm %entrance
srfy = 2.4209; %mm %entrance
srzf = 0.16237; %m %entrance
srflen = 1; %m

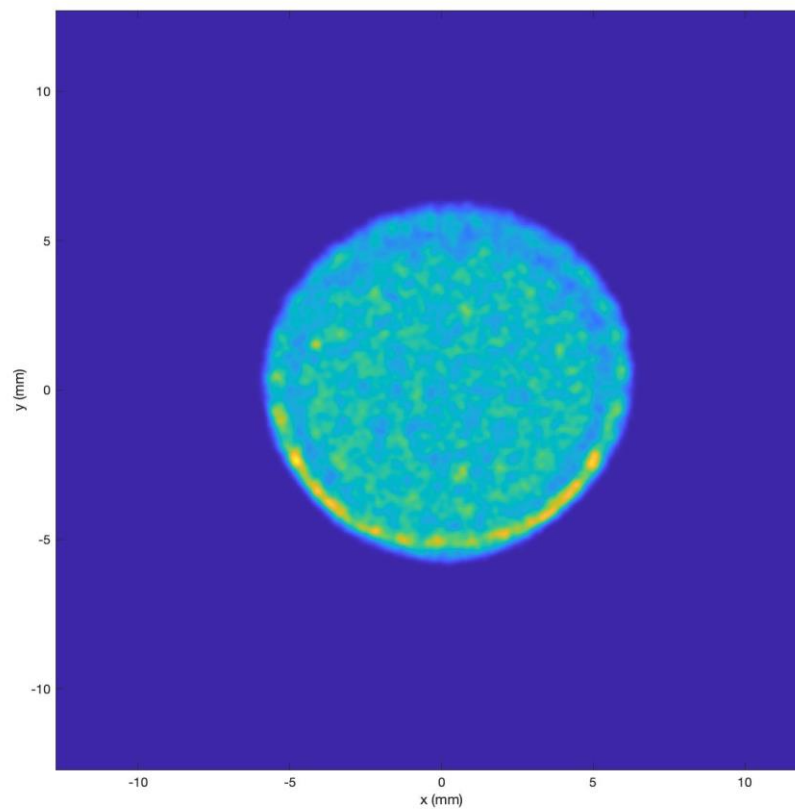


YAG1

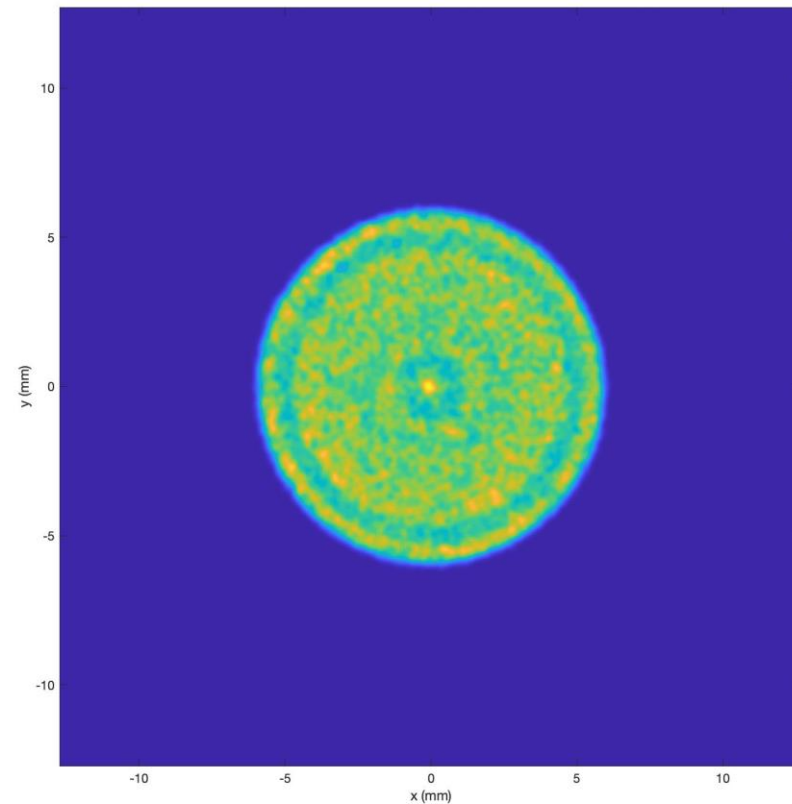
CeC



3D misaligned

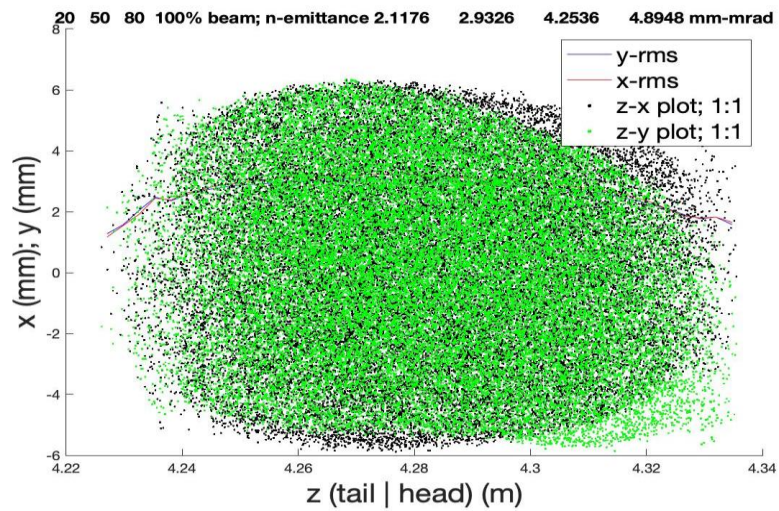


2D on-axis

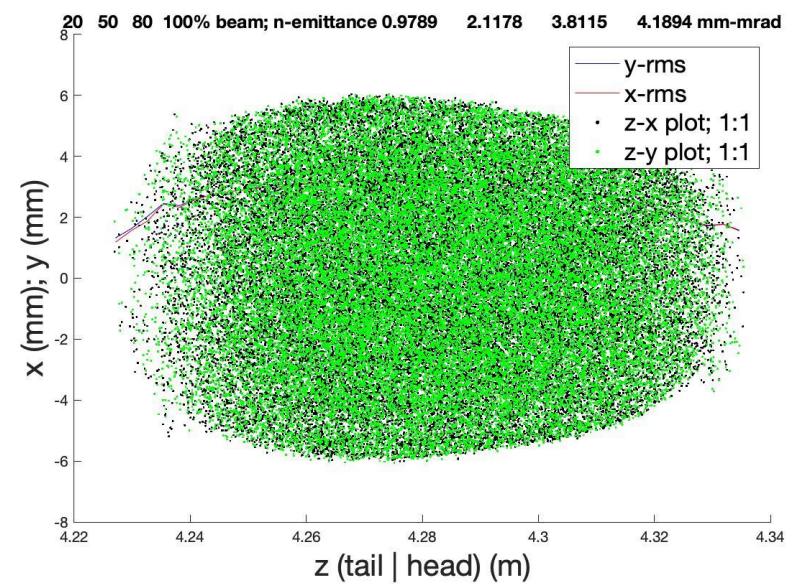


YAG1

3D misaligned



2D on-axis

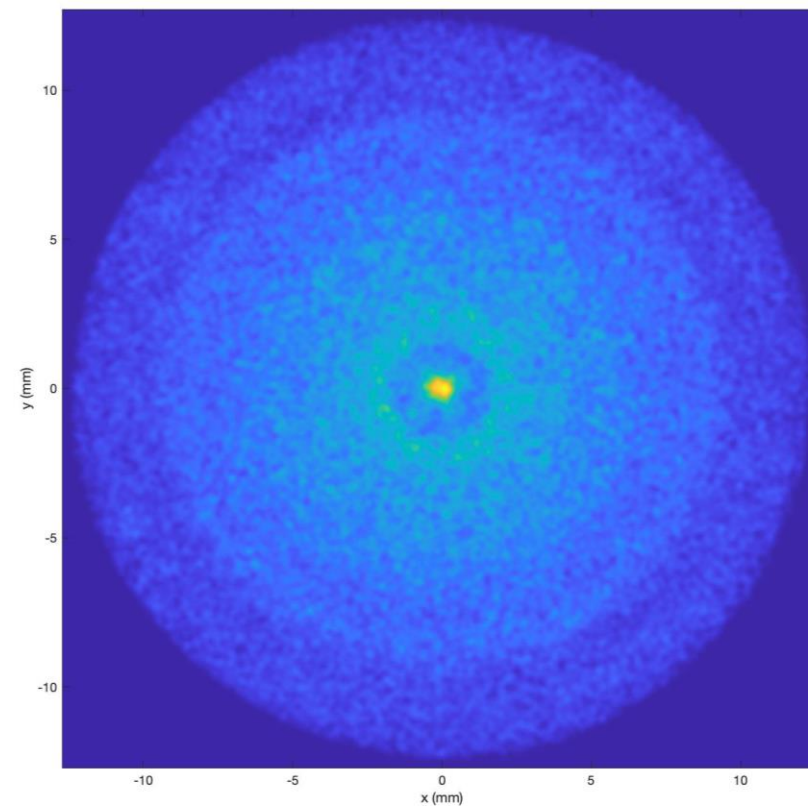
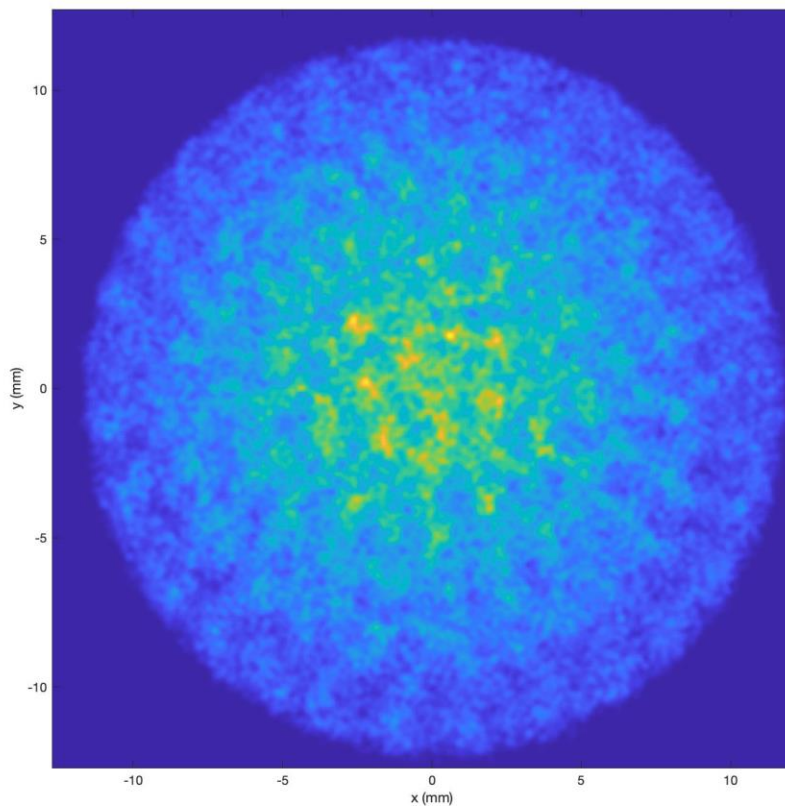
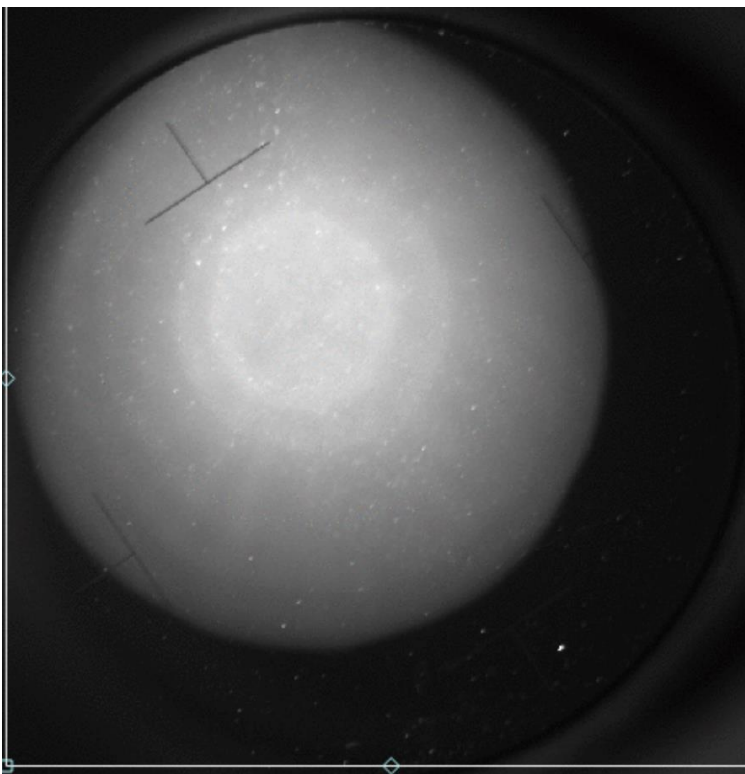


YAG2

CeC

3D misaligned

2D on-axis

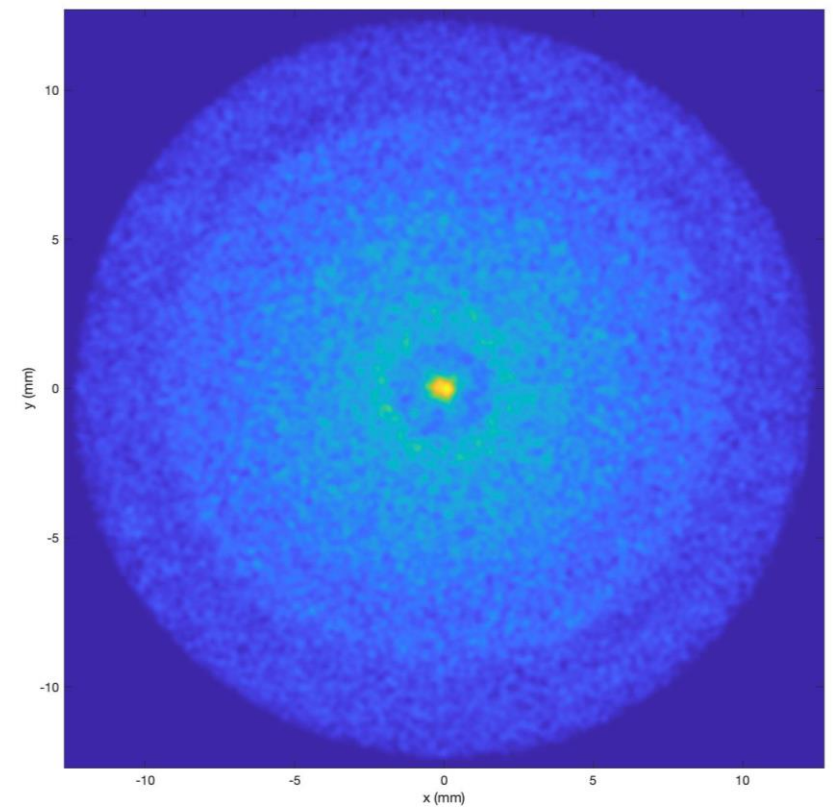
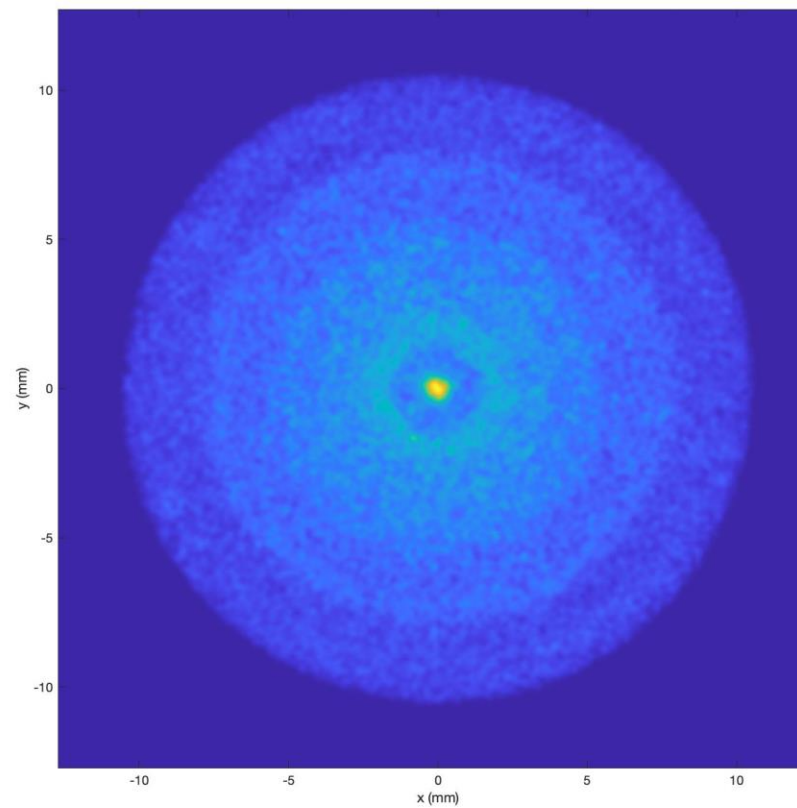
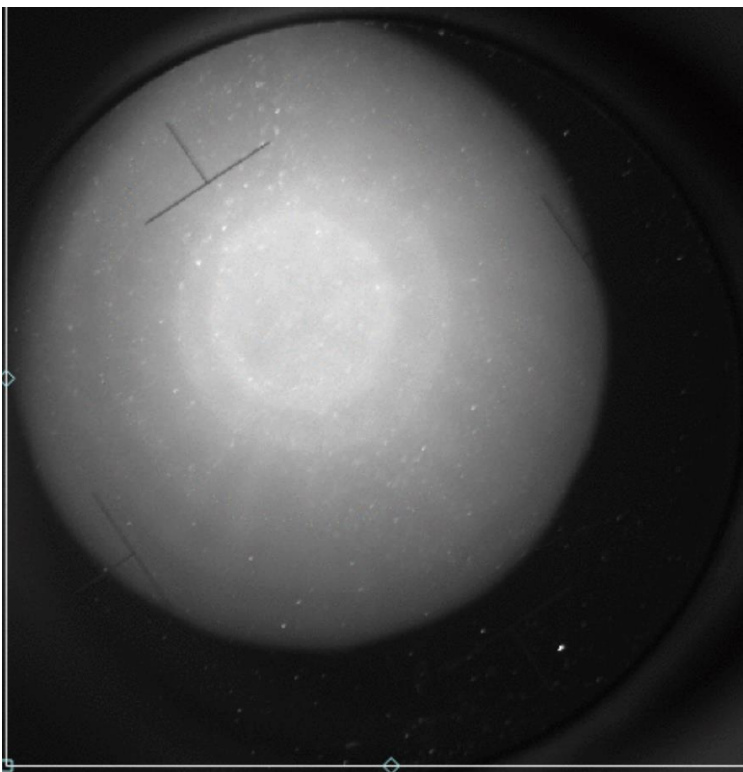


YAG2

CeC

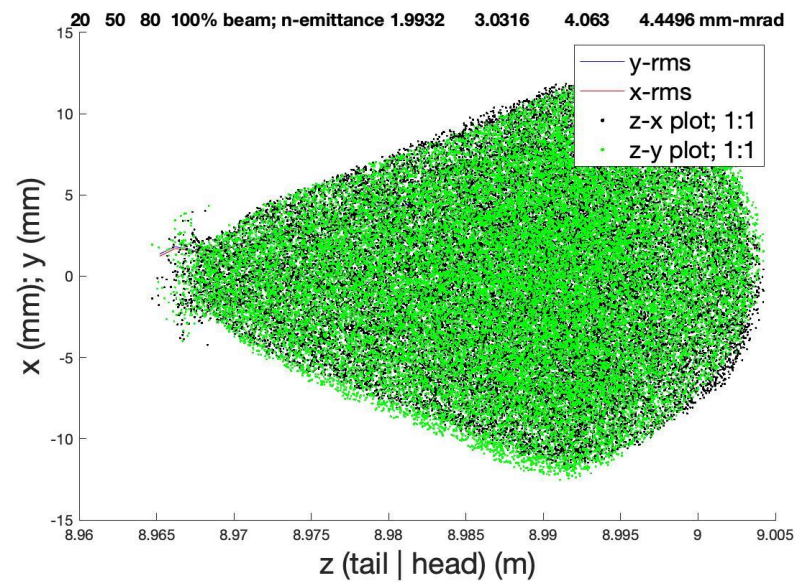
2D 175kV

2D core

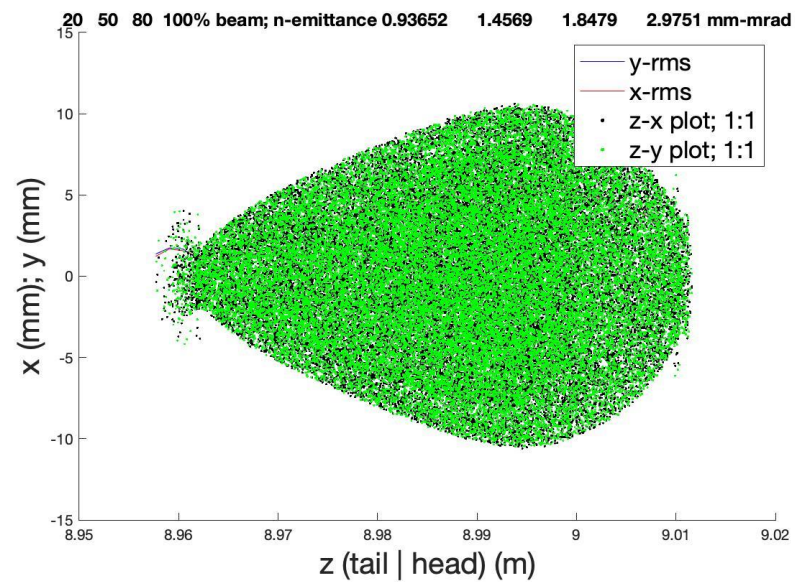


YAG2

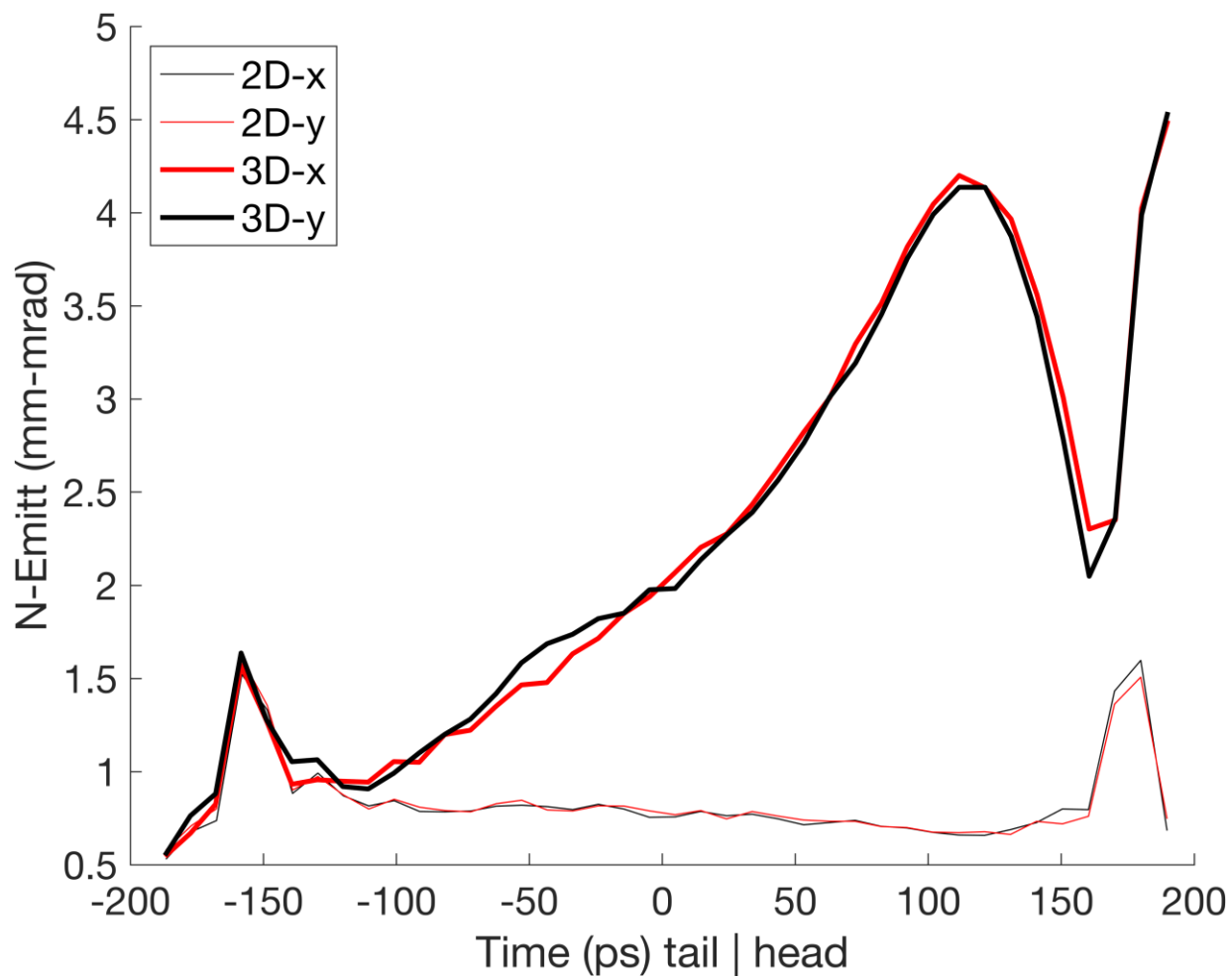
3D misaligned



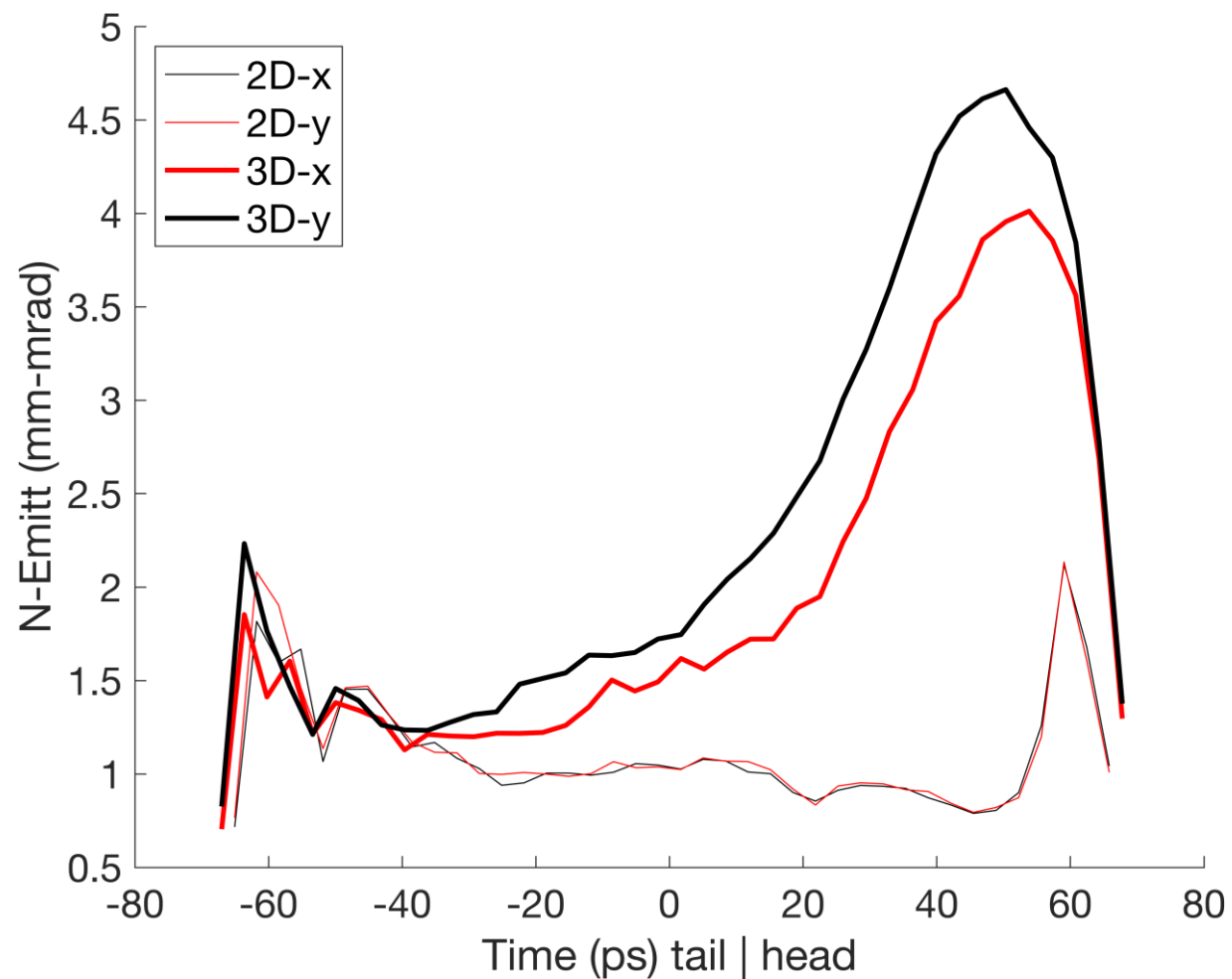
2D on-axis

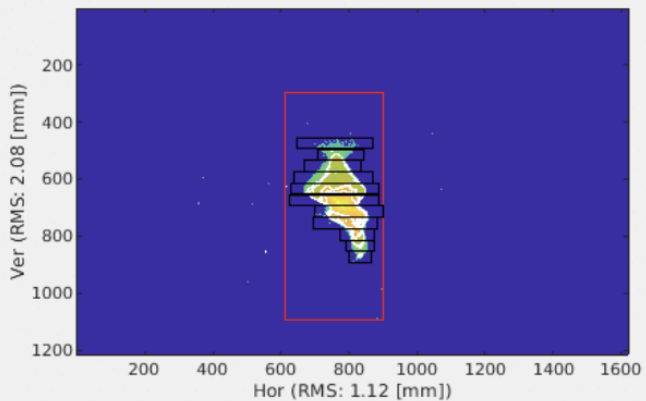


YAG1



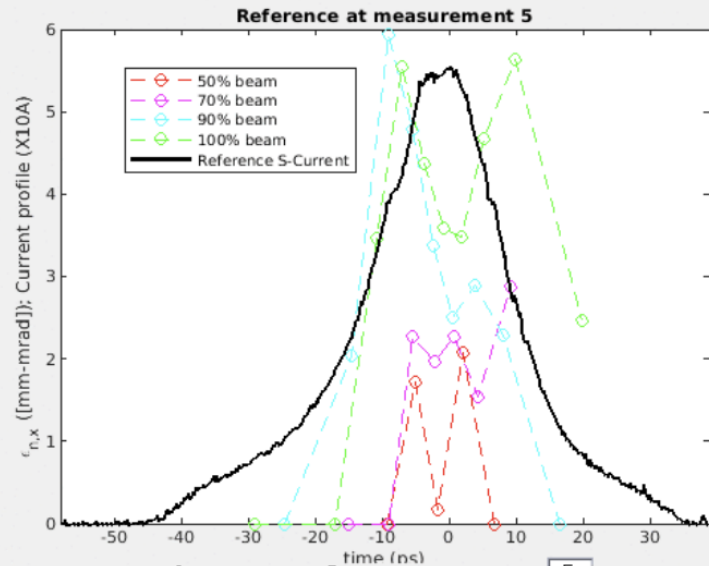
YAG2



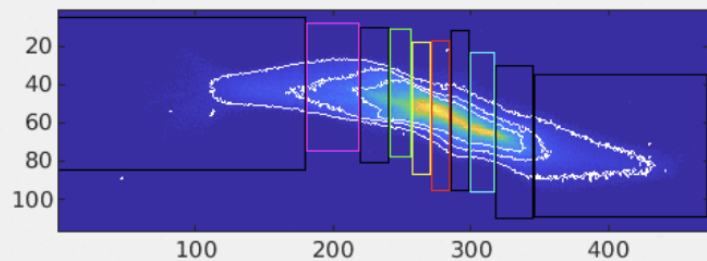


Normalized emittance for slices

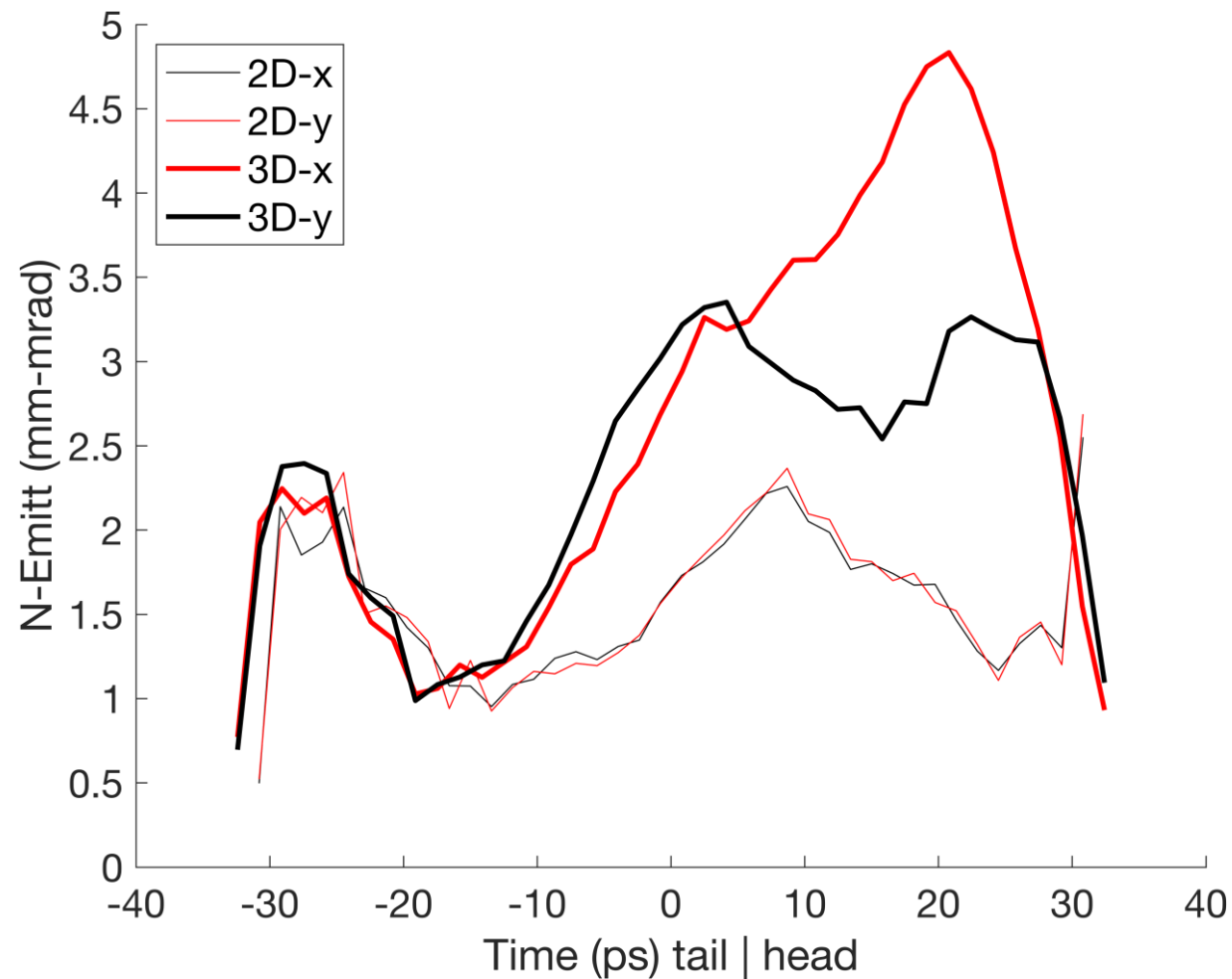
emittance max display : Beam Current Scale (for display) 10 A

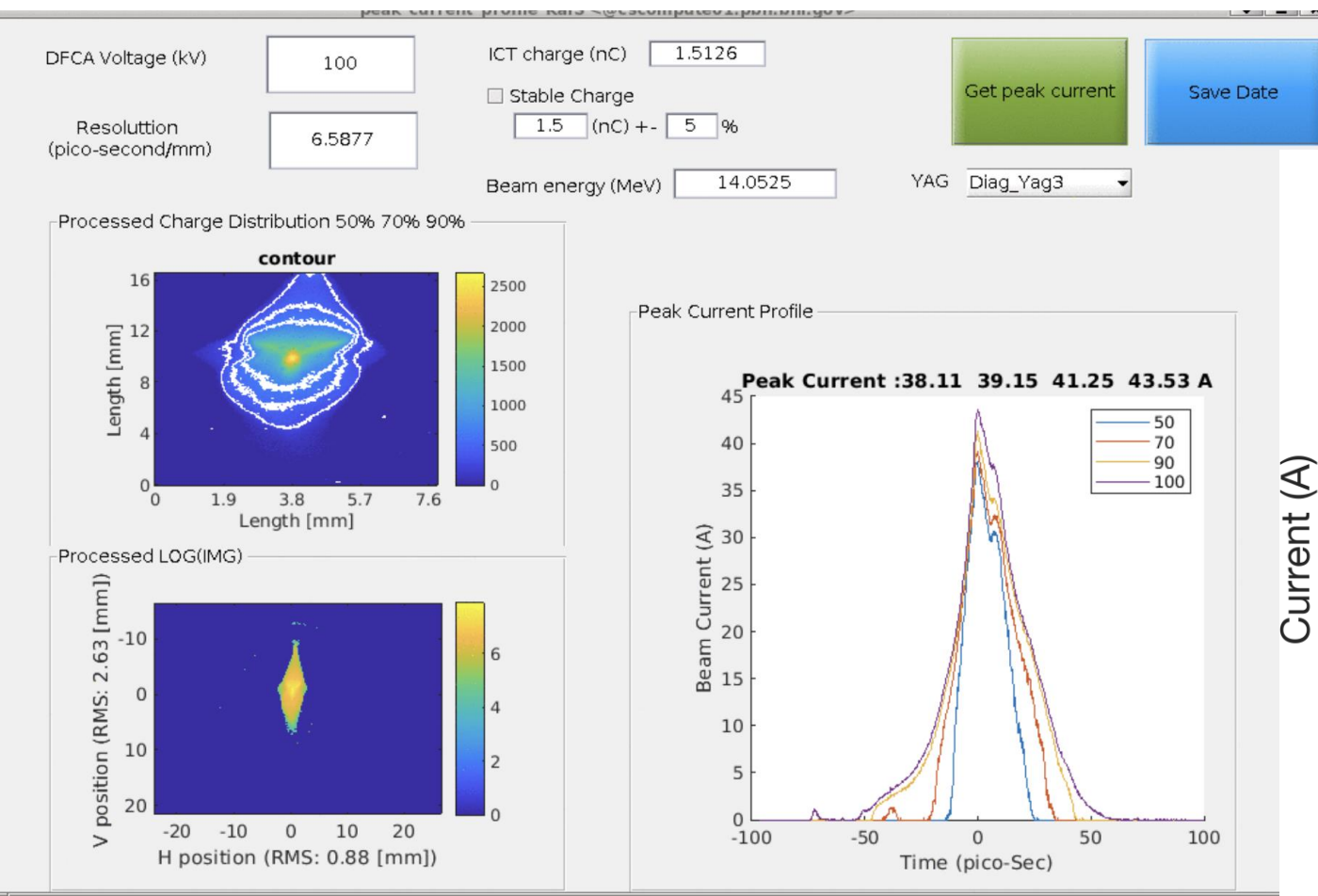


The Beam of Measurement 5

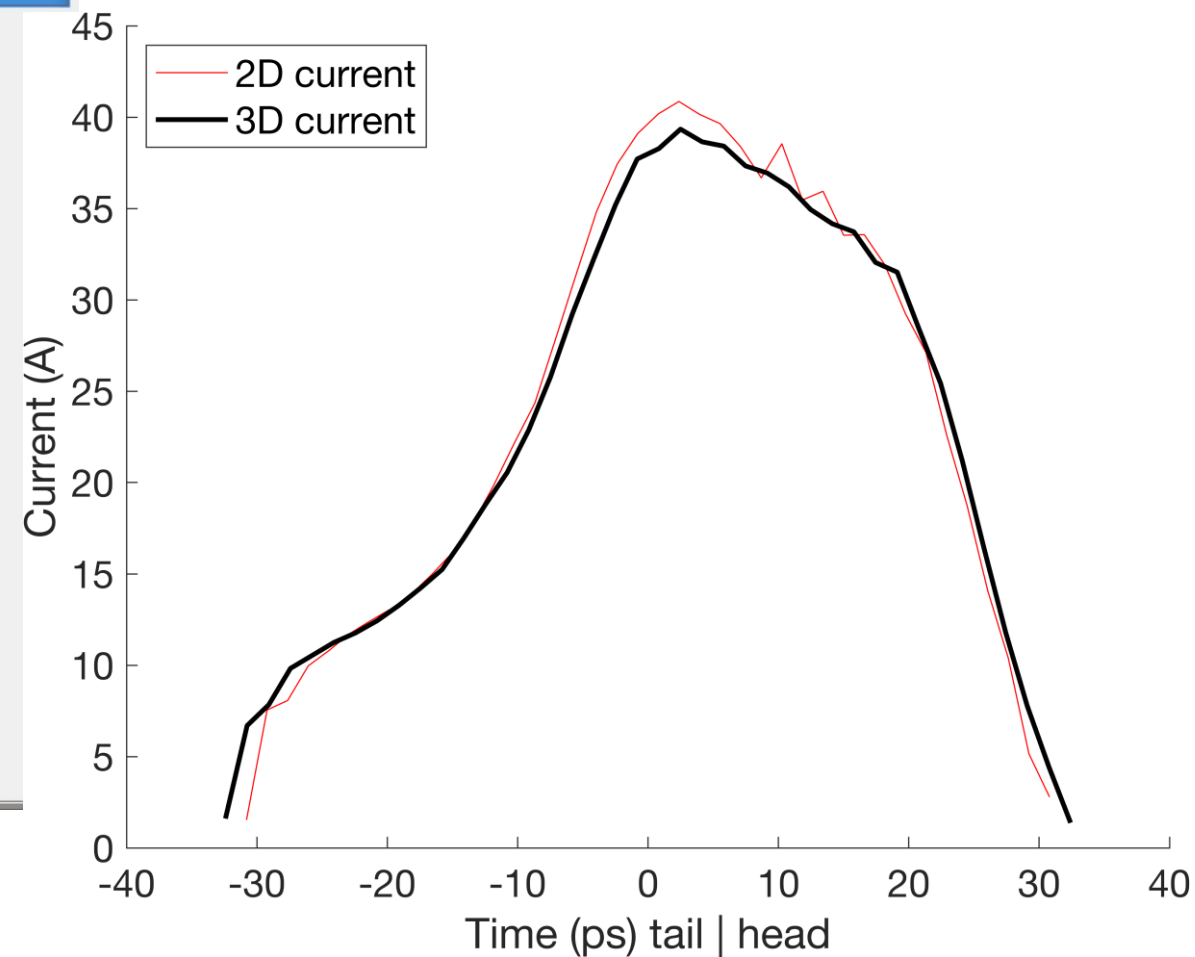


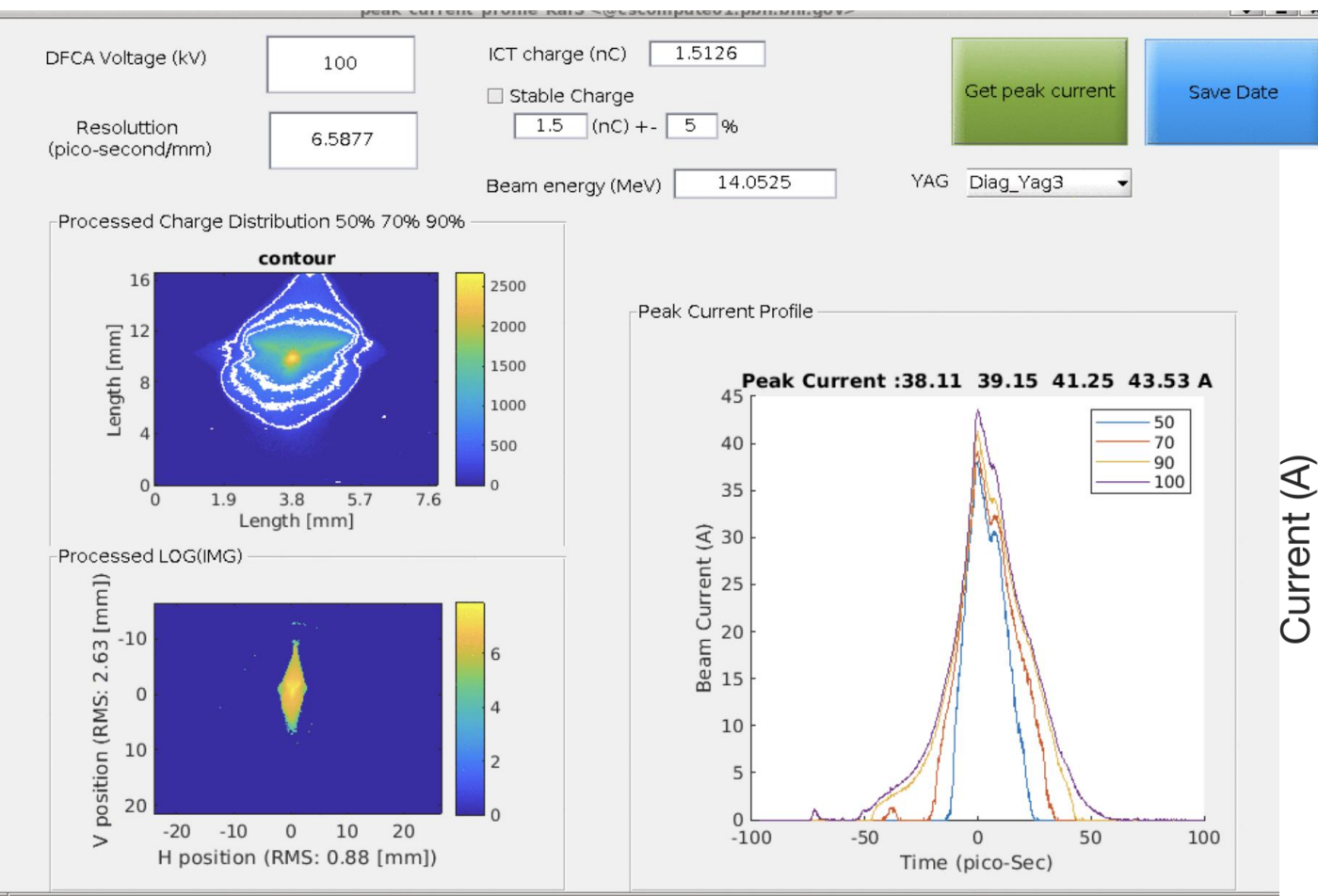
After 704



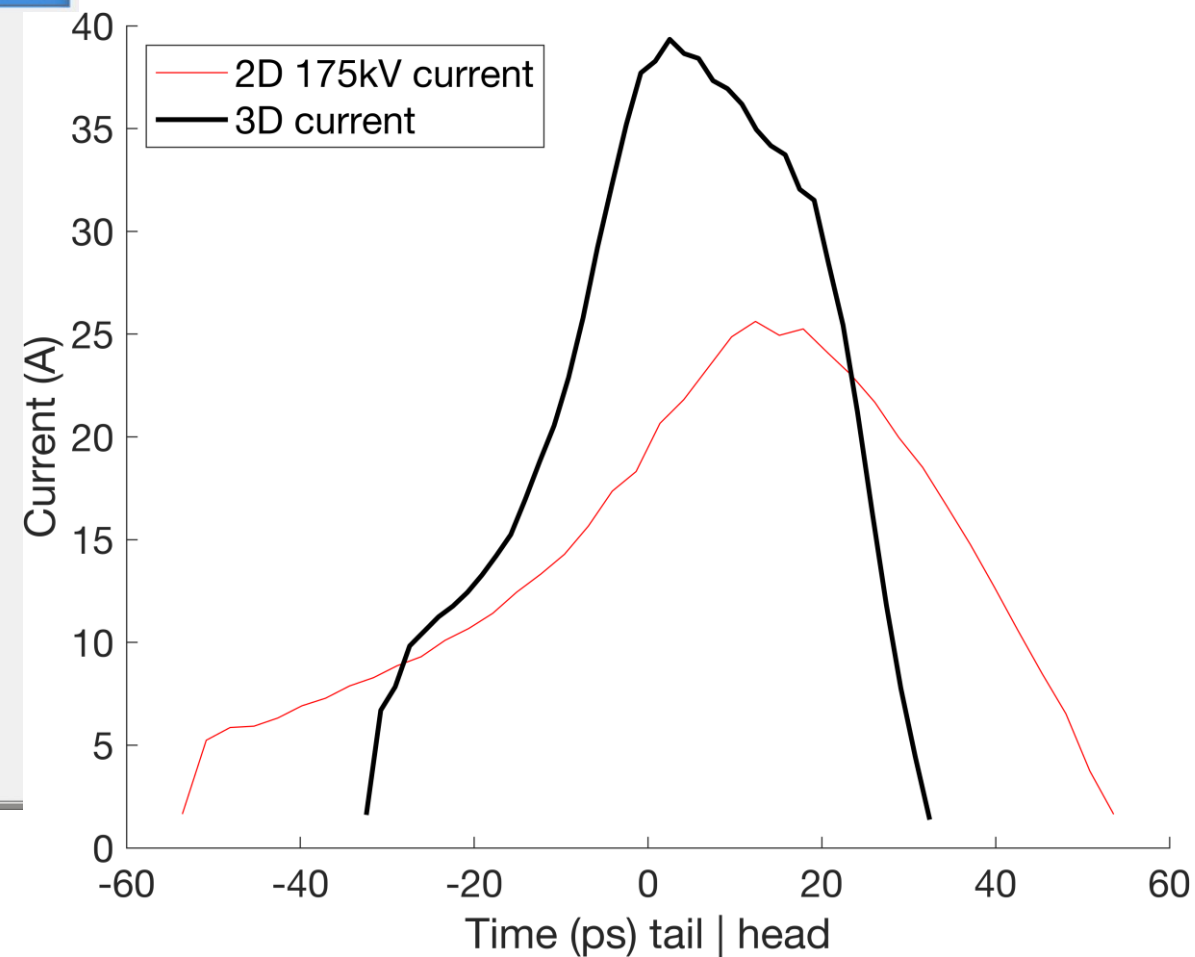


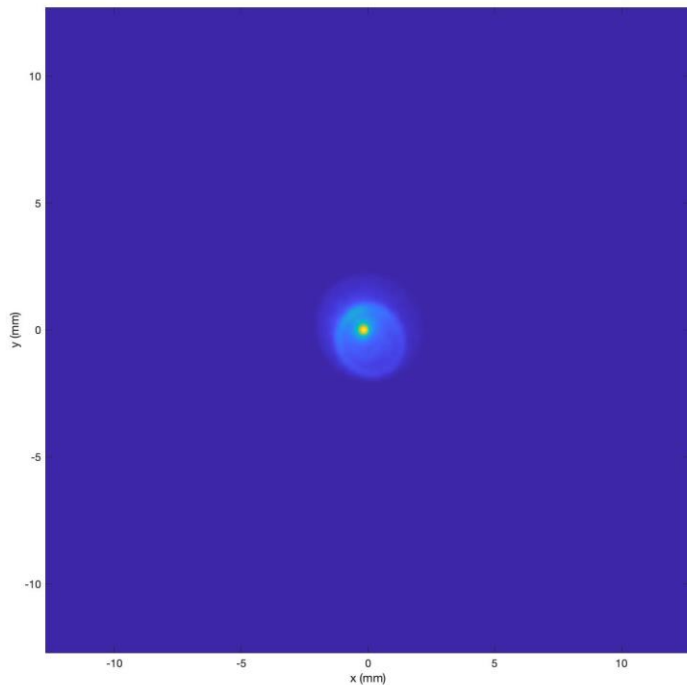
After 704



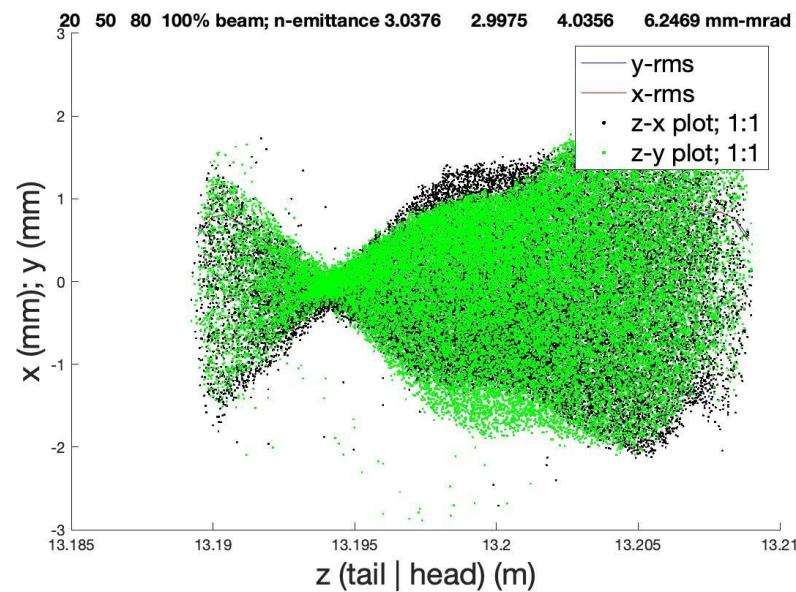


After 704

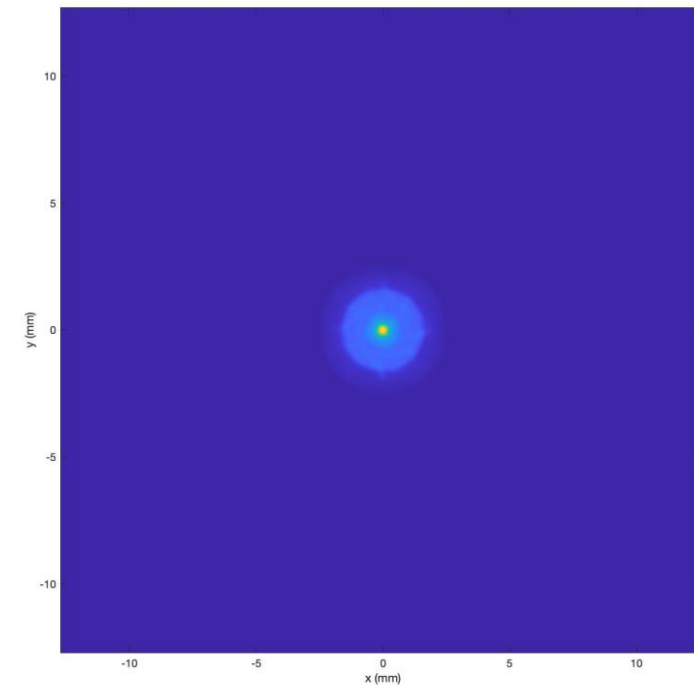




3D misaligned



After 704



2D on-axis

