

v. 17.11.30
From 02/06/25

Use extended (aka elemental) configurations

Examples used in this document:

https://lise.frib.msu.edu/17/eL_ARIS_PS_only.lpp

https://lise.frib.msu.edu/17/eL_ARIS_k3cb2.lpp

Still under development (issues to resolve)

- Ion pipe, quad block axis should be changed for correct plotting in 3D-absolute coordinates
- Rotation blocks
- X-Y orientation Jump between local and absolute frames

46.81

3 - Y [mm]

200.00

120.00

40.00

0.00

20.00

0.00

250.00

150.00

50.00

-50.00

-150.00

-200.00

Rotate horizontally

Rotate vertically

Change label style

Change camera preset

Change axis ranges

Show Widget options

- Background
- Smooth dots
- Grid
- Plot Title
- Axis titles
- Show objects

Show Optic Blocks

- Ion pipe
- Material
- Quad
- Slit
- Dipole
- O-Disp

Change dot style

Sphere

Change theme

Qt

Adjust shadow quality

Low Soft

Change axis scales

	min	max
1. A	-0.01	46.81
2. B	-250	250
3. C	-200	200

OK Cancel Restore Original

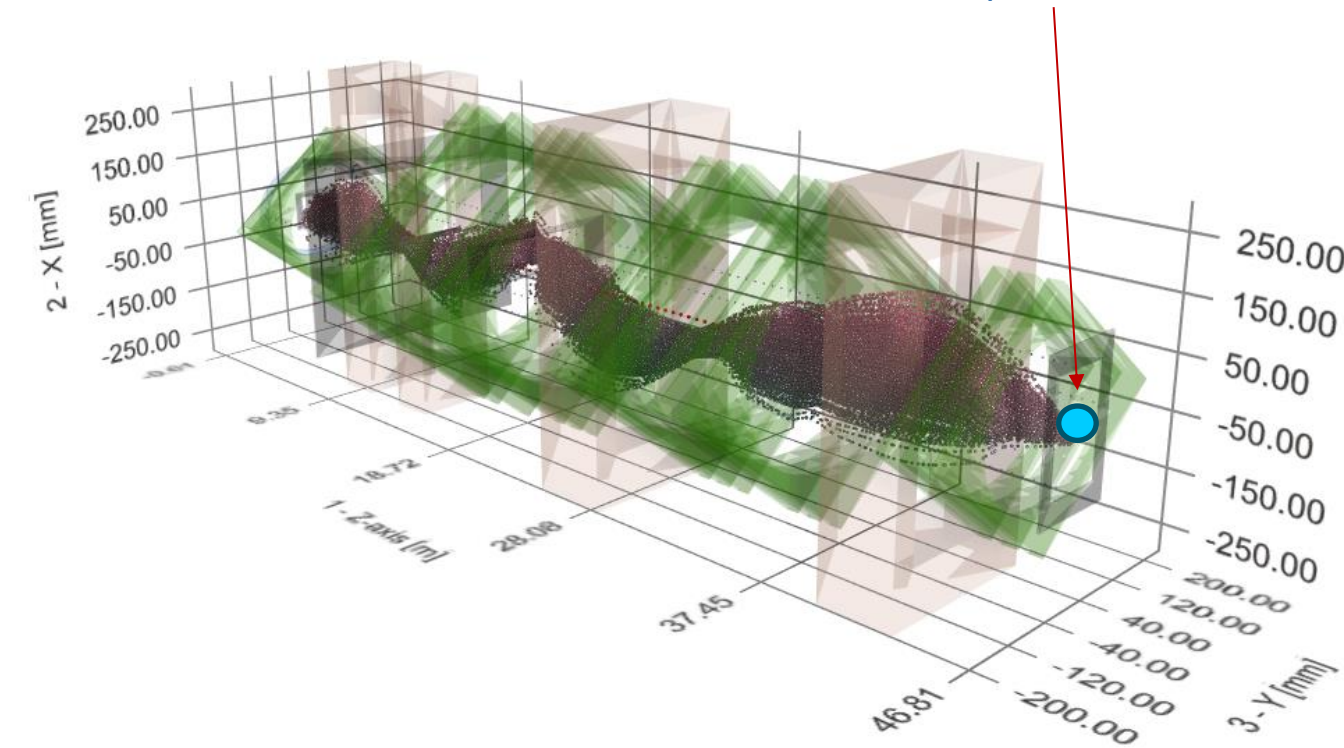
Only Slits are shown

finger

9.35

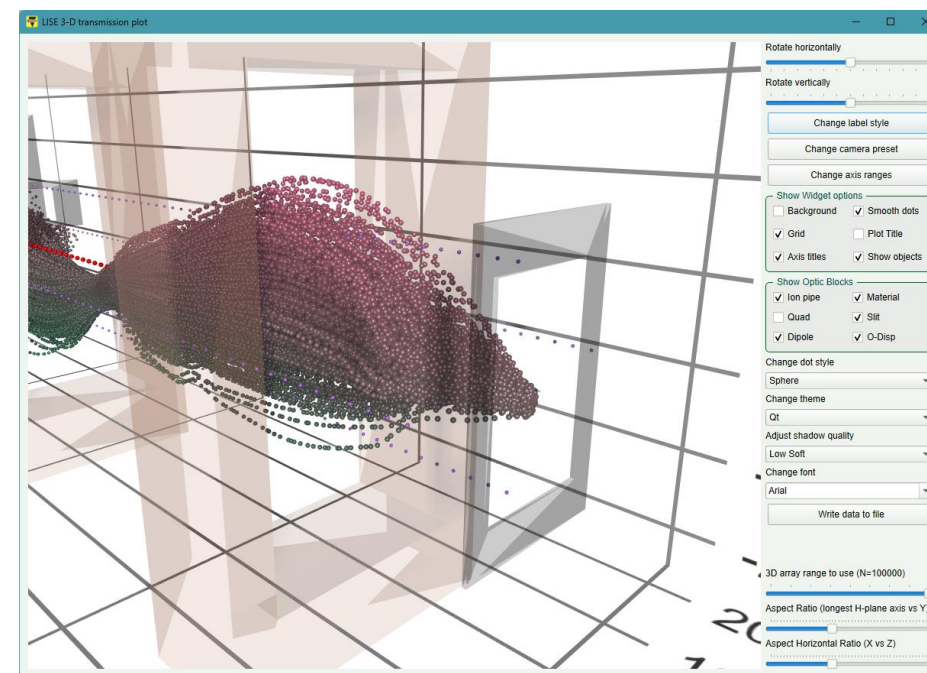
3D plot : zoom at selected location

Mouse pointer location



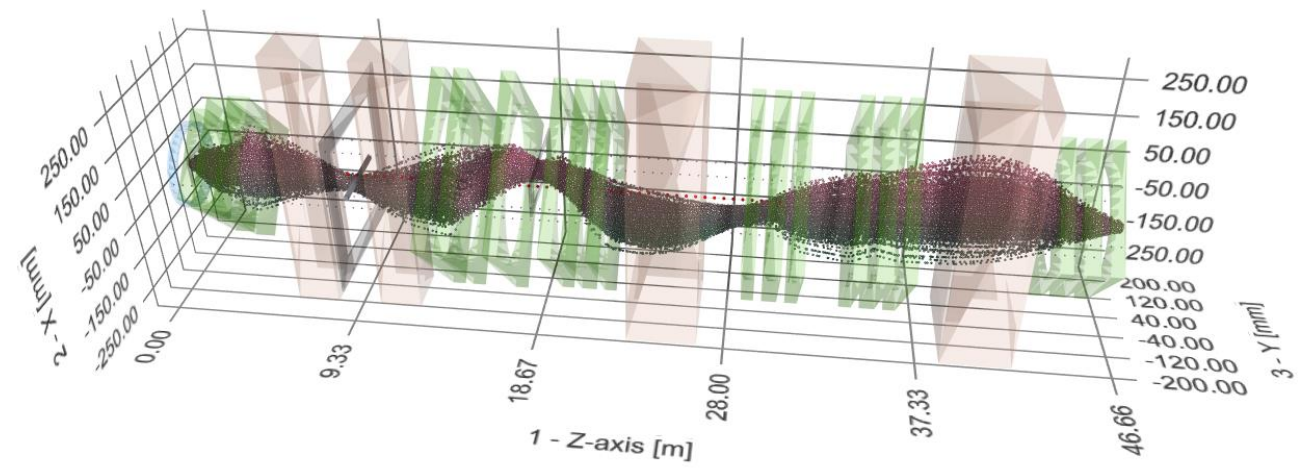
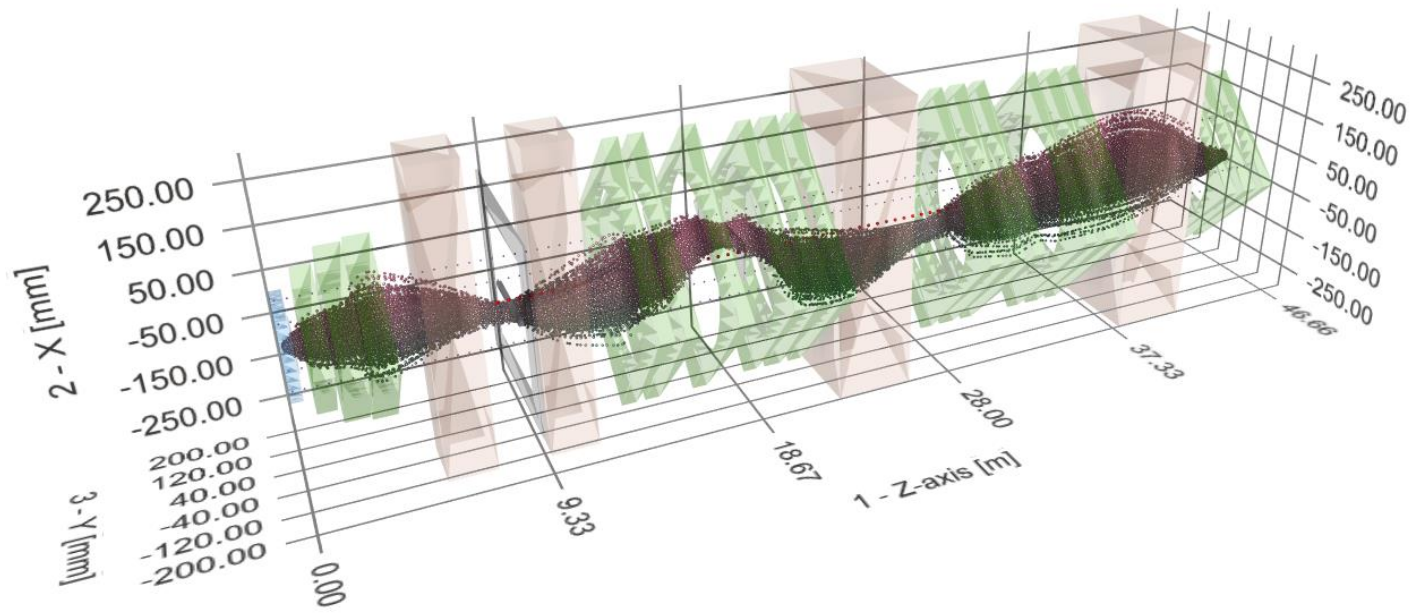
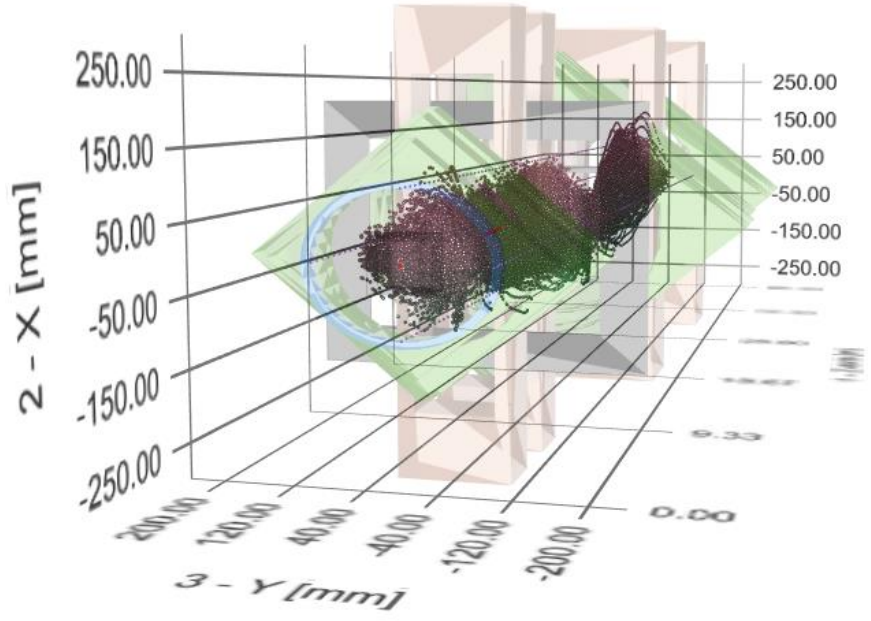
1. Locate mouse pointer at place of interest
2. Rotate middle button wheel

Result



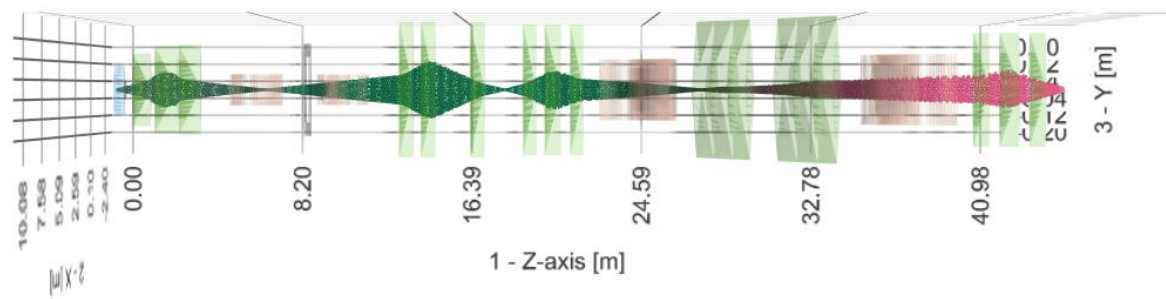
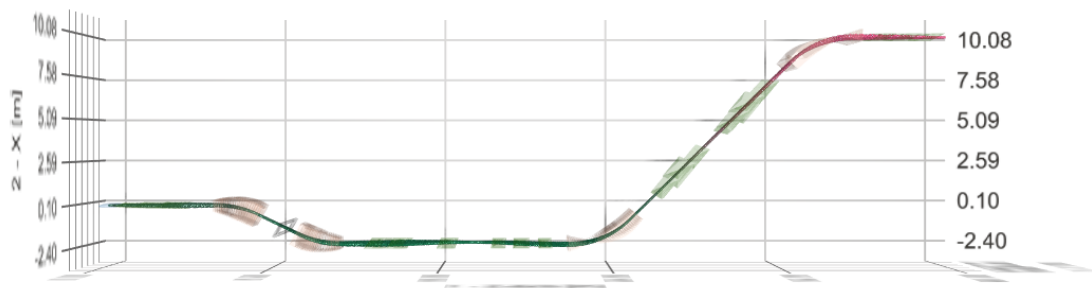
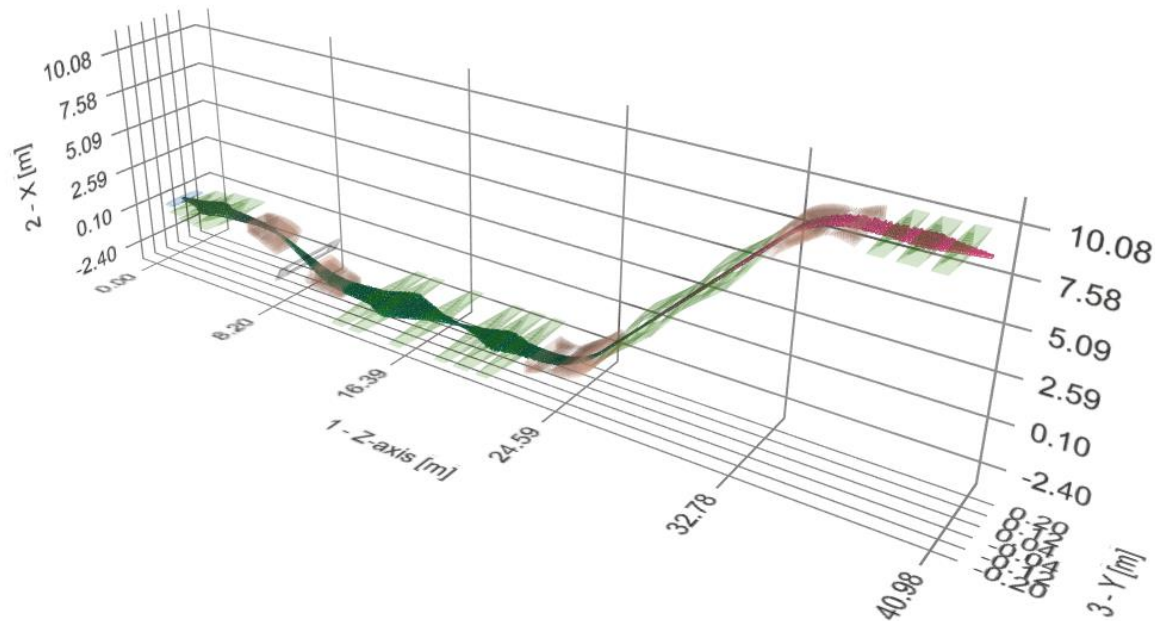
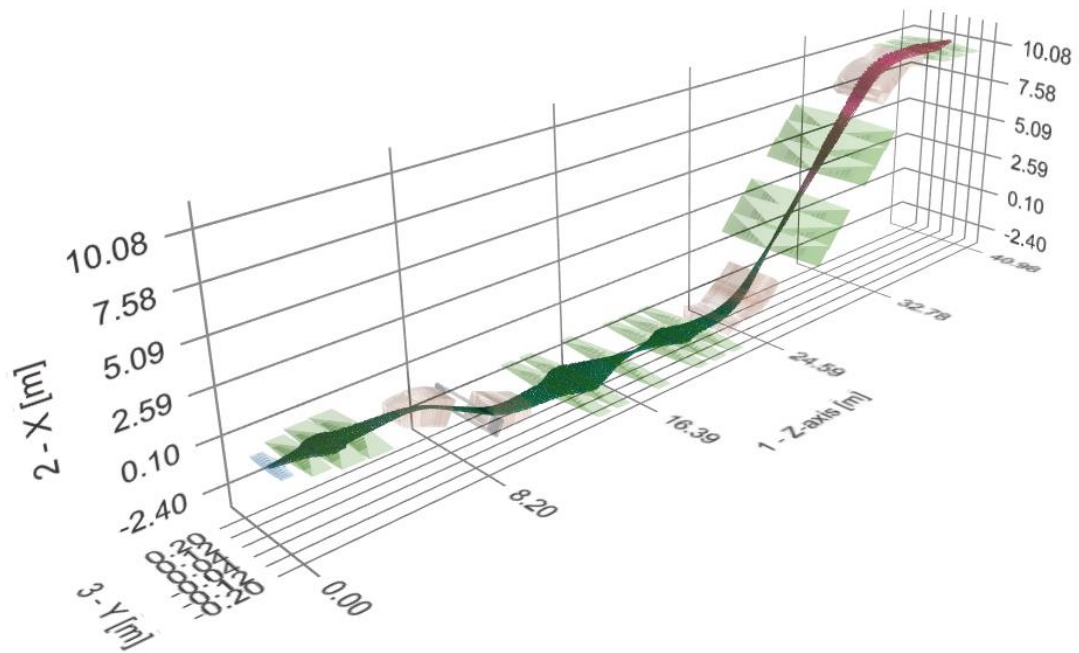
3D envelope (projection to central axis)

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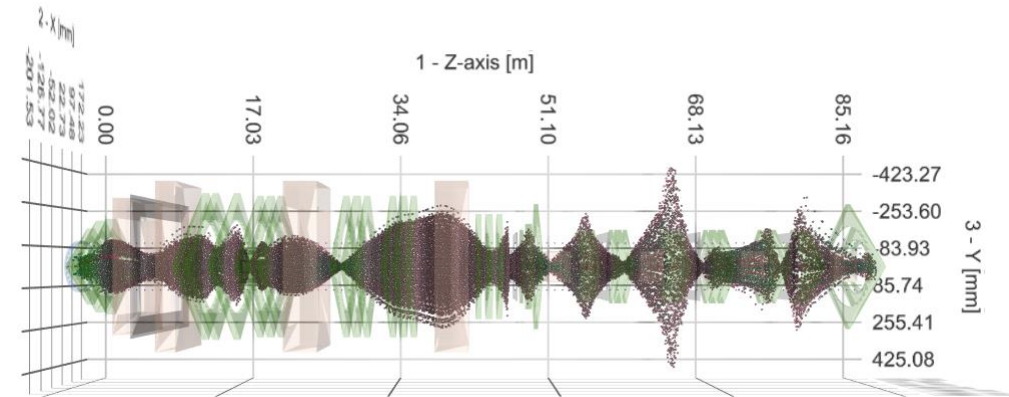
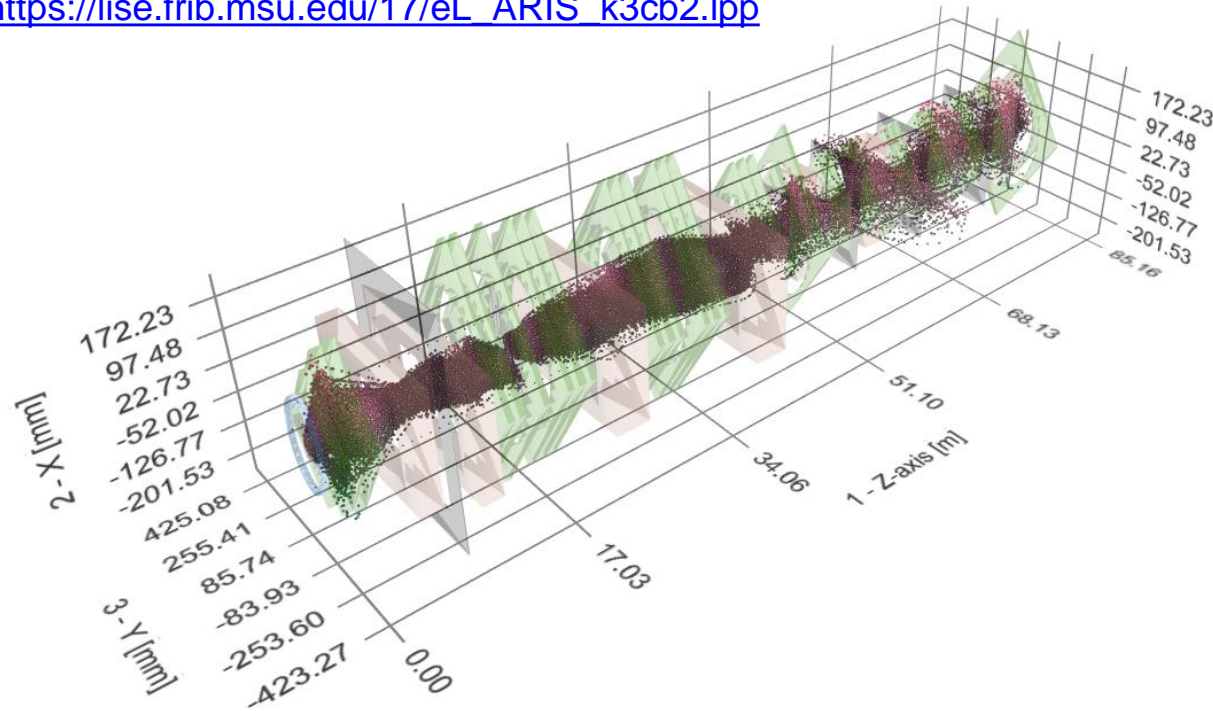


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Target-DB1

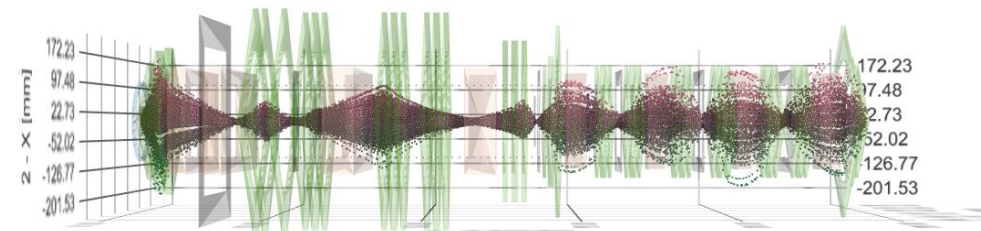


https://lise.frib.msu.edu/17/eL_ARIS_k3cb2.lpp

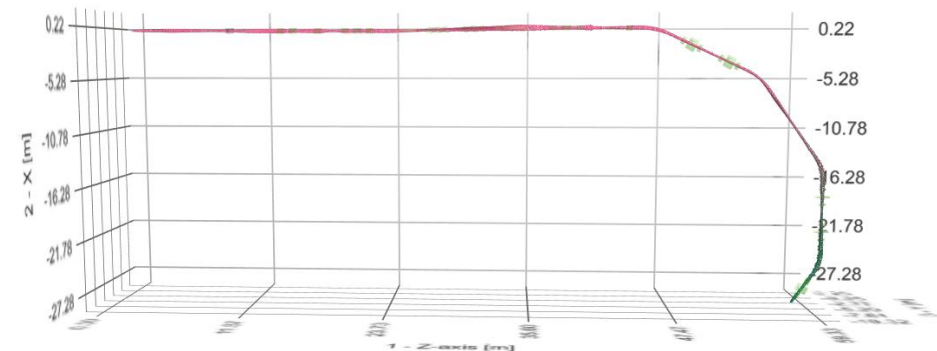
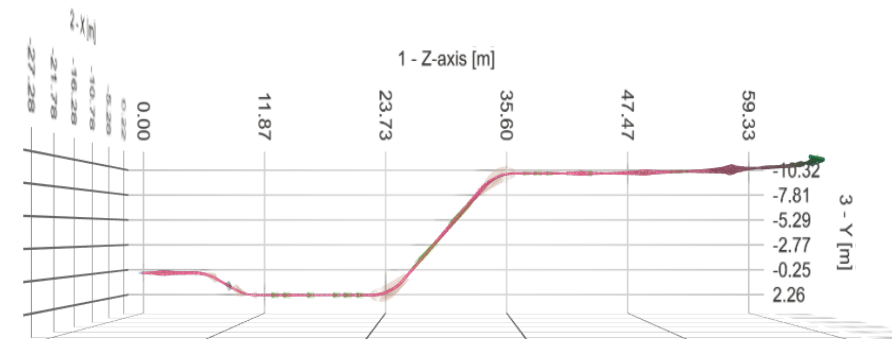
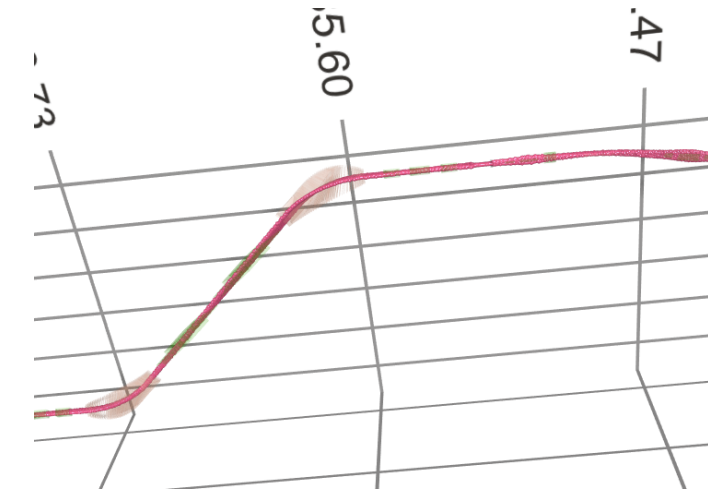
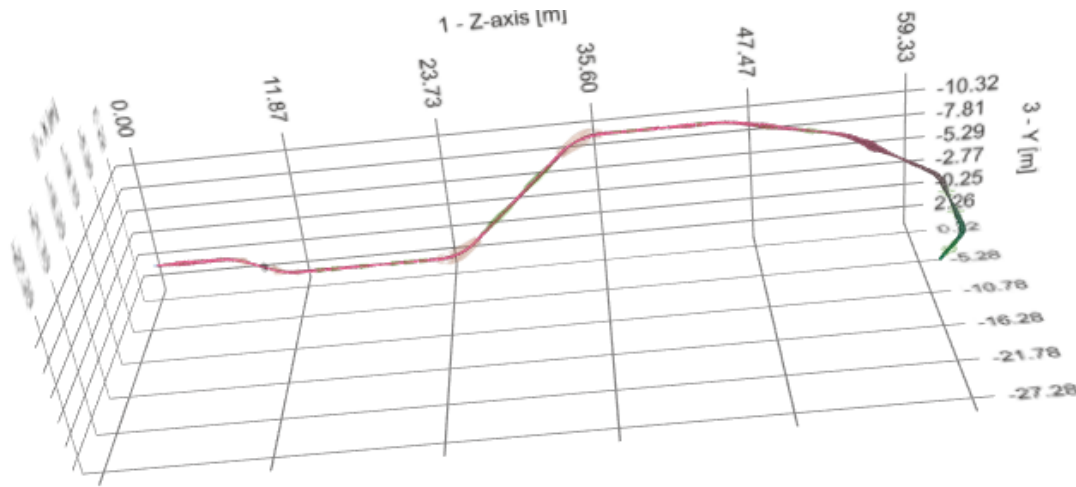


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Correction of QCustom3DItem X&Y proportion

Beam Dump 3D-plot

