Beam Trajectory Comparison

Van Graves

March 24, 2015
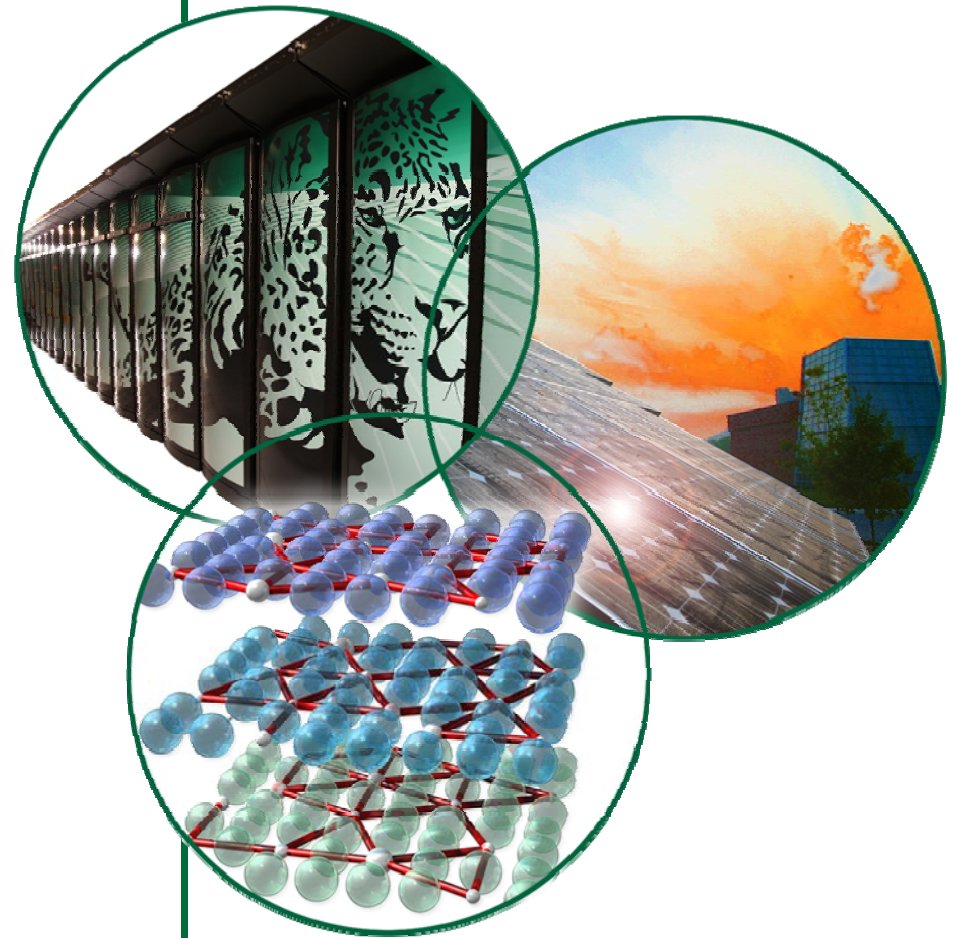
Trajectory Data

Trajectory Name	File Name	Beam Color
20to2T5m120cm4pDL	TRACK_20to2T5mDL_z_m1000_p500_values_in_cm.txt	Green
20to2T5m	BEAM_CENTROID_TRACK_20to2T5m_start_z_m1000.txt	Yellow
20to2T5mDL	20to2T5mDL_xyzr_new.txt	Blue

20to2T5m120cm4pDL is from Nicholas Souchlas, May 22, 2014.

 20to2T5m is from Nicholas Souchlas, Feb 3, 2015

20to2T5mDL is from Xiaoping Ding, Mar 16, 2015
https://pubweb.bnl.gov/~xding/frontend/20to2T5m120cm4PDL-C-6.75GeV/20T-x-y-z-r.xlsx
This file was generated using the antiproton backtracking method,
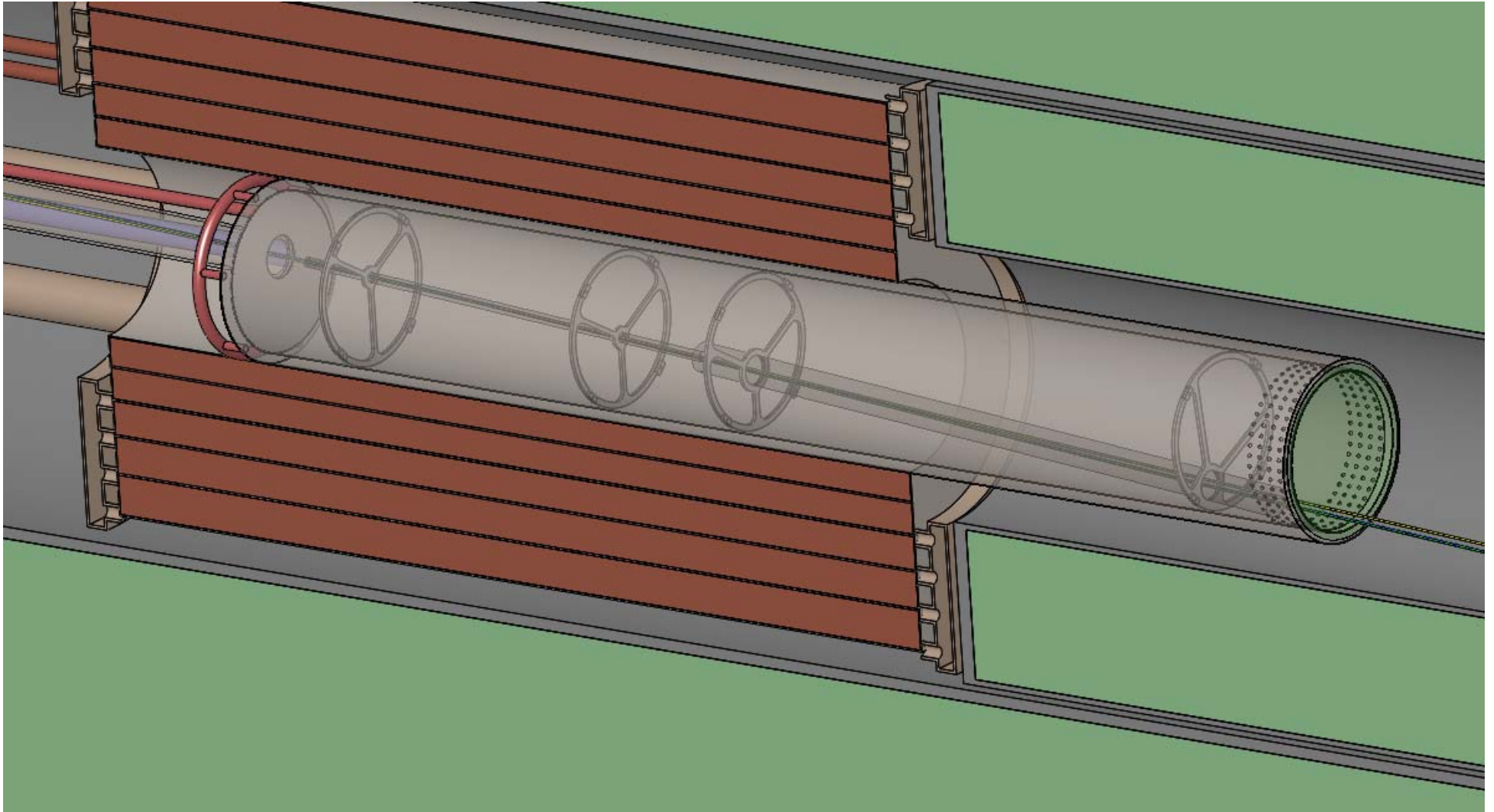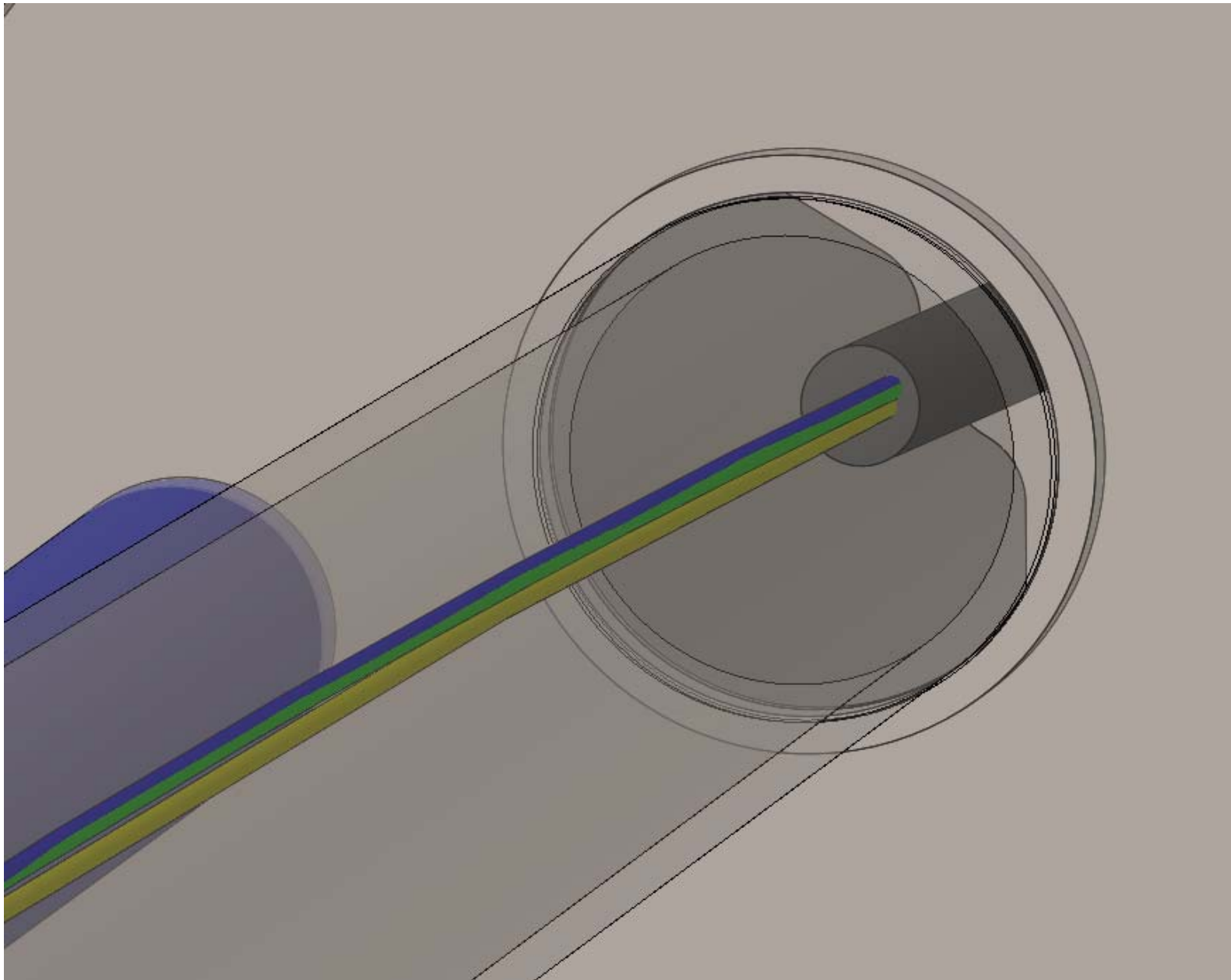http://www.hep.princeton.edu/~mcdonald/examples/track.pdf
This file is also posted as
http://www.hep.princeton.edu/~mcdonald/mumu/target/Ding/C_6.75/20to2T5mDL_xyzr_new.xlsx

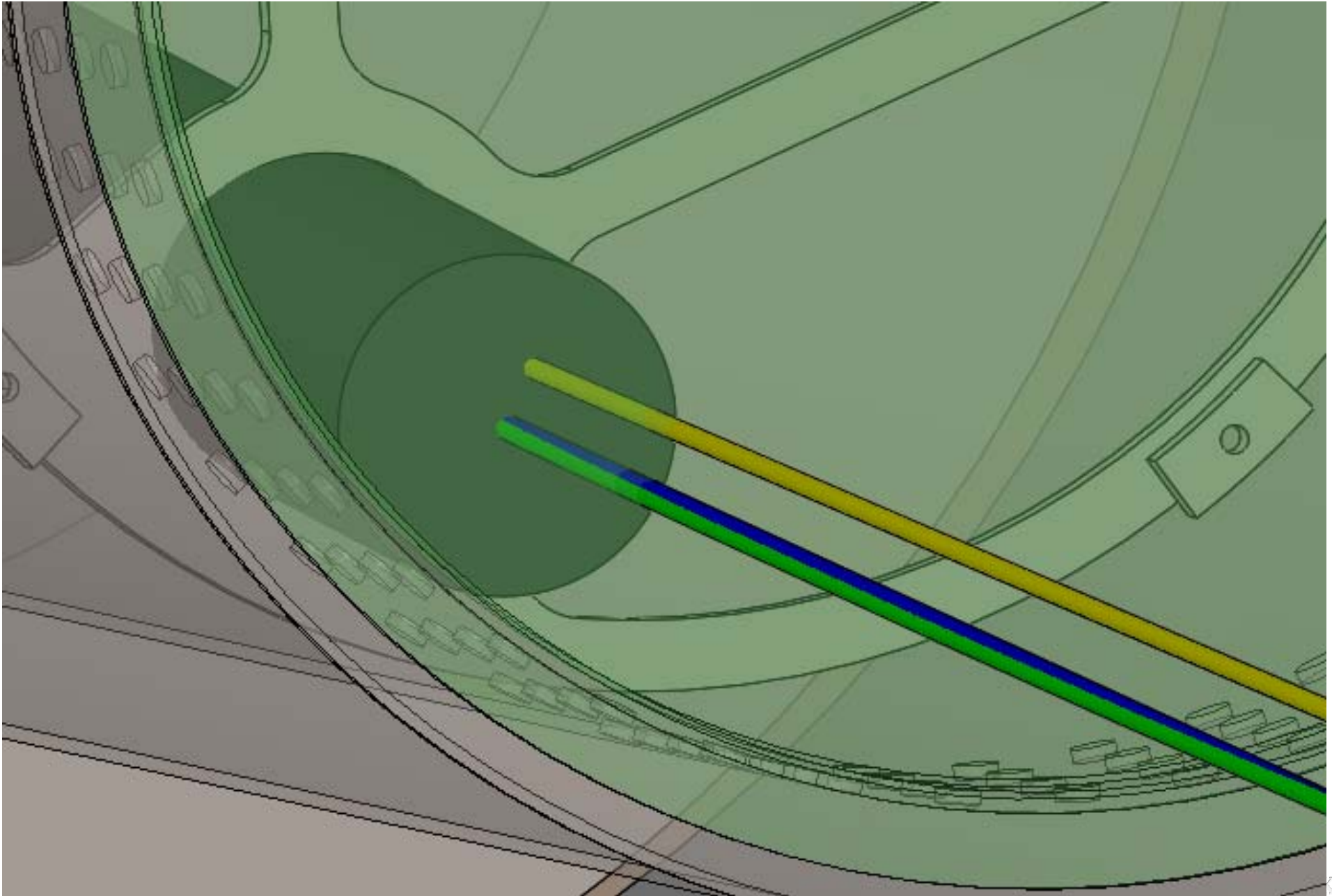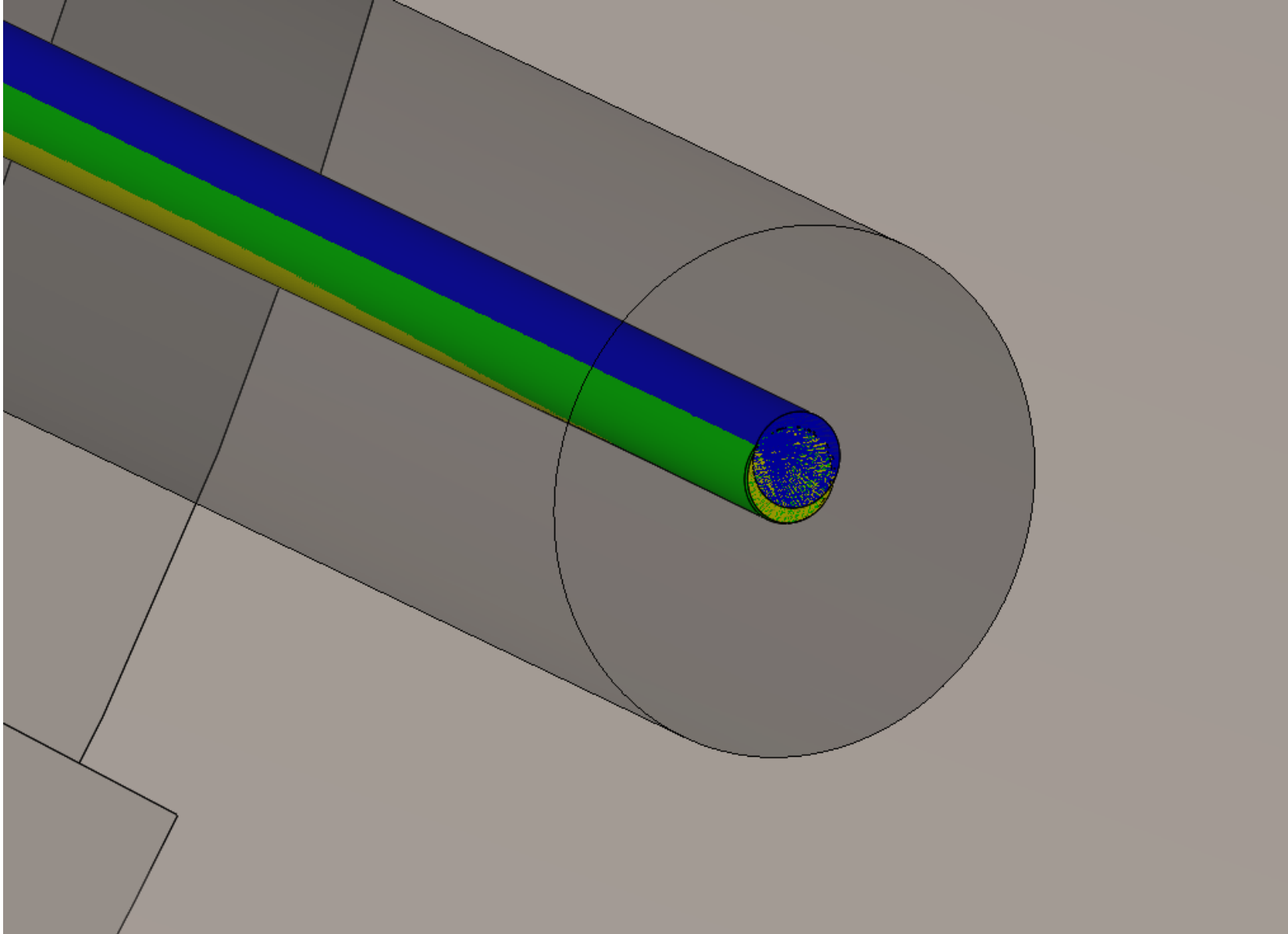All beams shown with diameter = 0.29 cm

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Overall View for Reference (+*z* to the right)

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Target Entrance (looking toward +*z*)

Managed by UT-Battelle
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Beam Dump Exit (looking toward –*z*)

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z = 0 Section (looking toward –*z*)

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20to2T5mDL Elevation View

z = -10 m

z = 0

z = 10 m

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20to2T5mDL Plan View

z = 0

z= -10 m

z = 10 m

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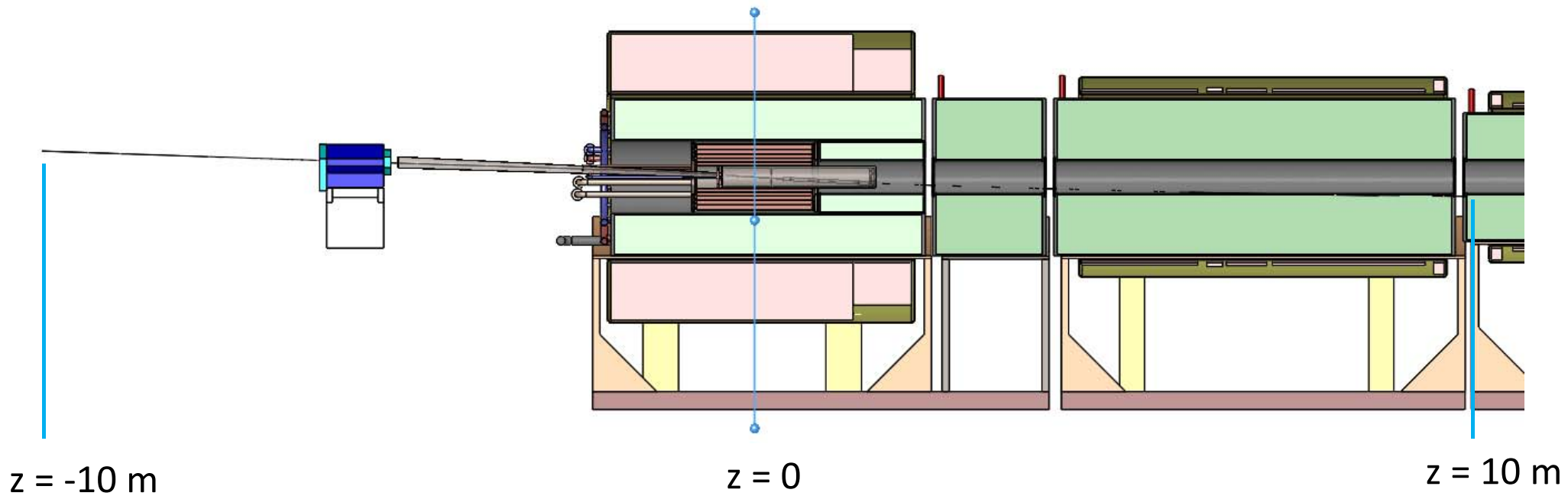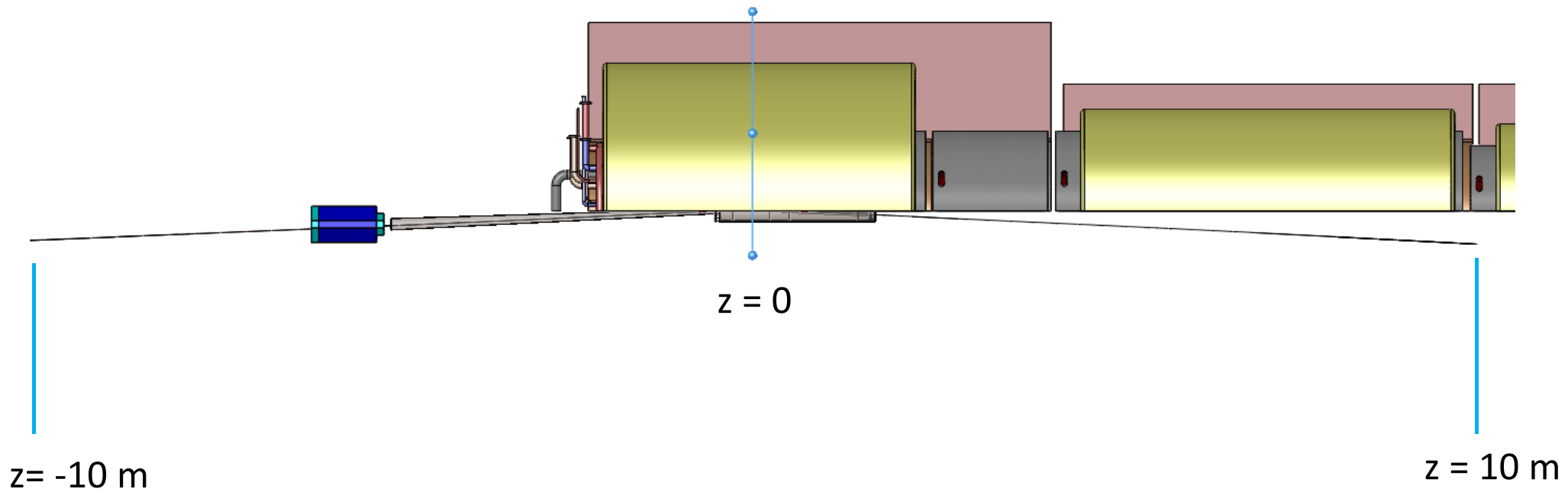
20to2T5mDL End View (looking toward +*z*)

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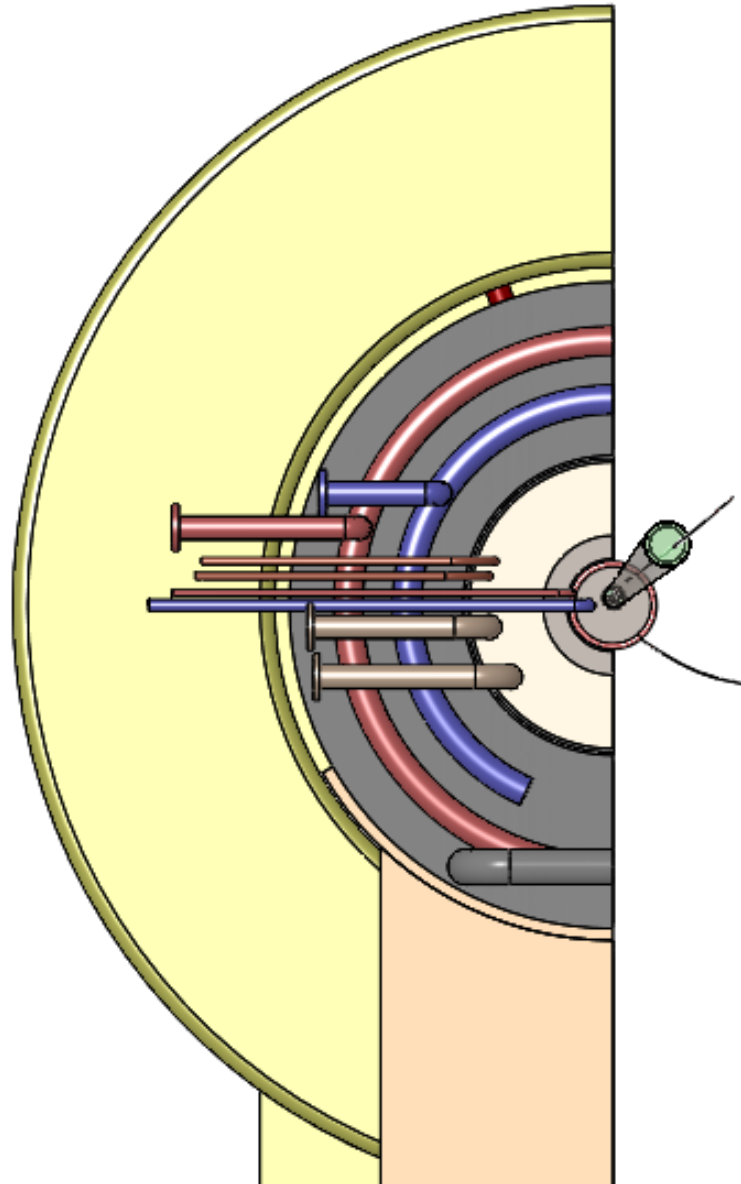
20to2T5mDL Isometric View

z = 0 plane

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