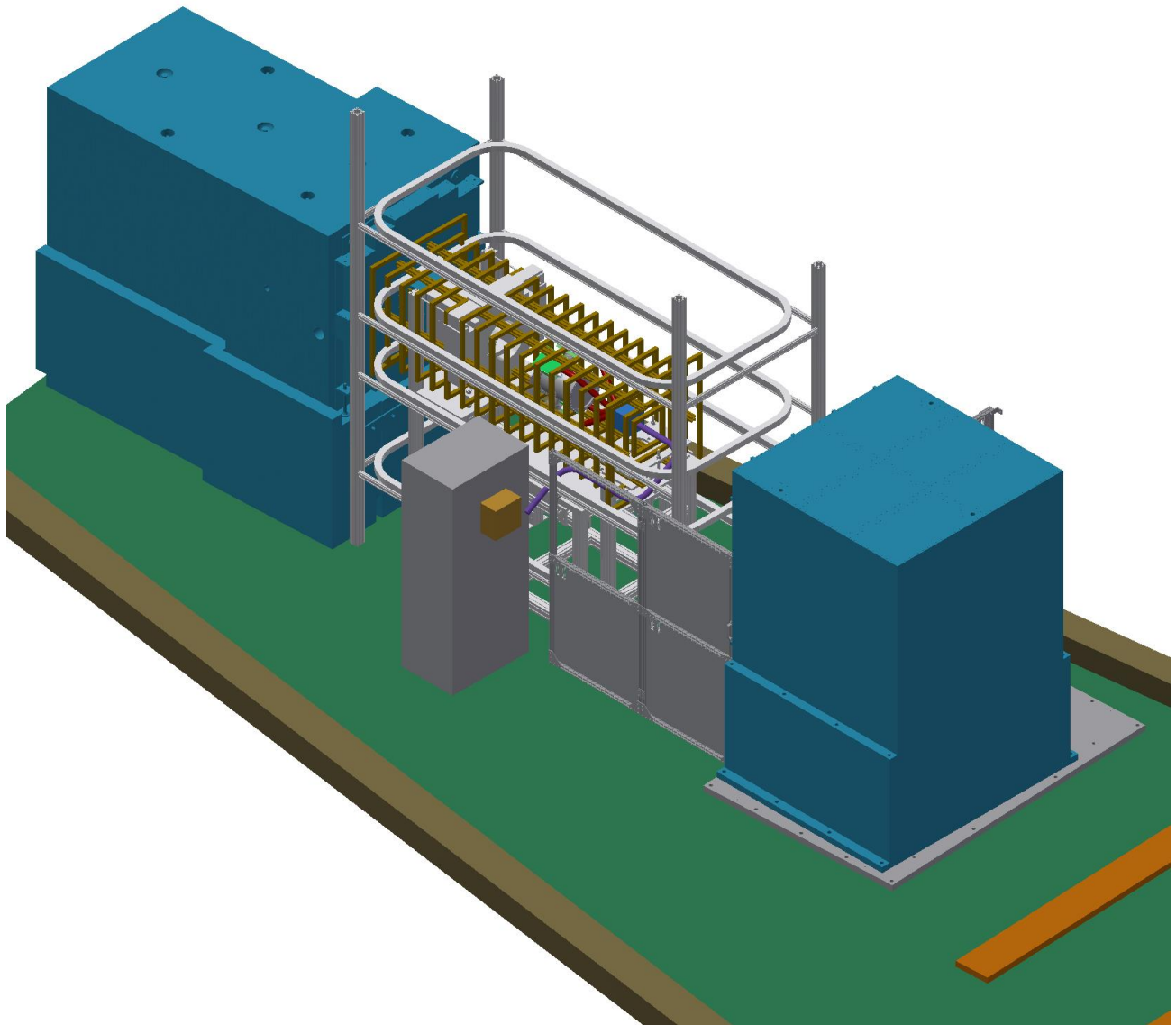


Preliminary design for the target chamber. Green boxes are the preamp boxes at 2.5" total height. Red line from the preamp boxes to the blue junction box. The Purple tube is the braid shielded flexible cable. It will have roughly 288 wires (144 twisted pairs) and shielding so it will be rather large.



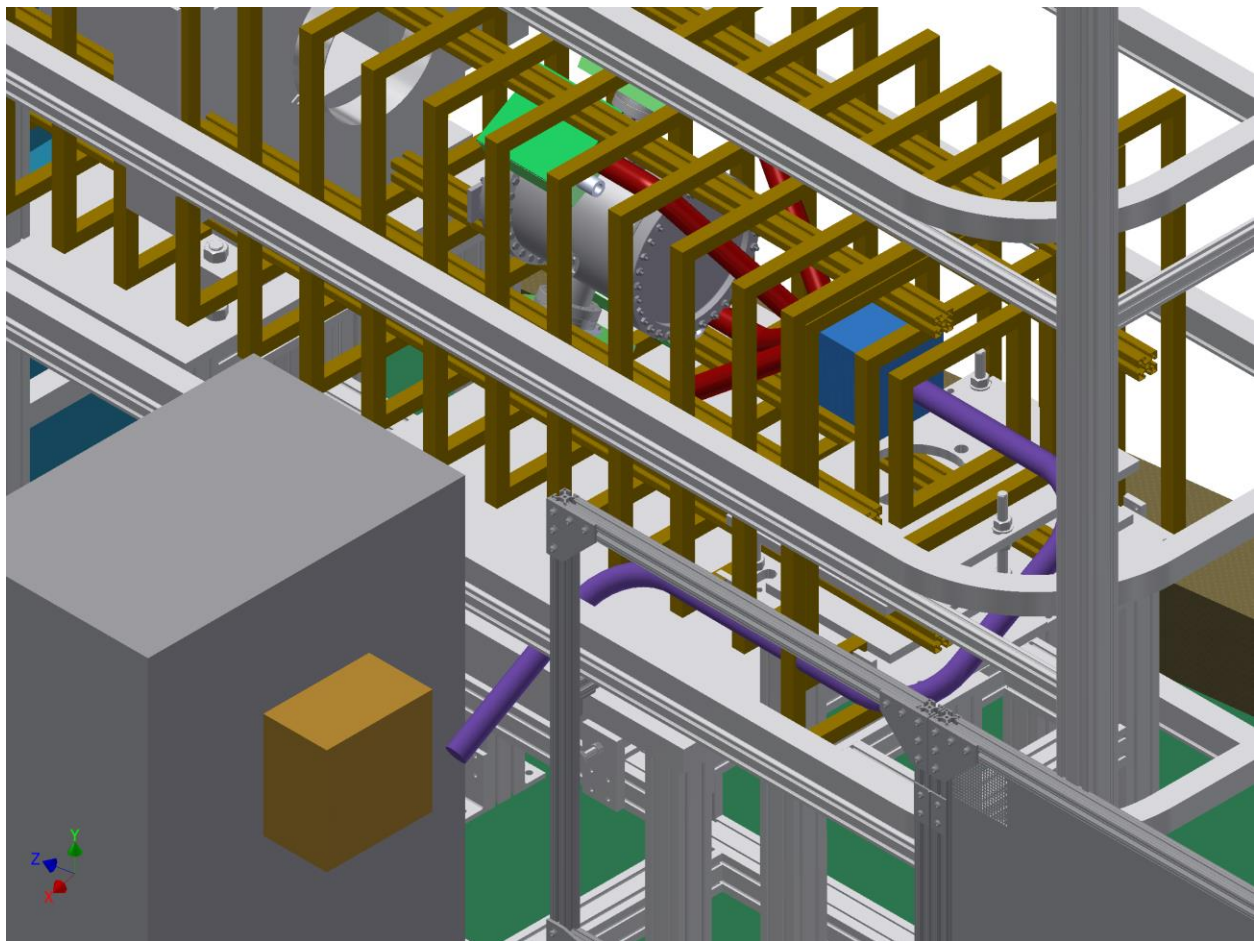
Isometric view of the beam line.

Blue boxes are concrete shielding around the super mirror polarizer to the left side and beam stop on the right.

NPD Gamma coils are in silver.

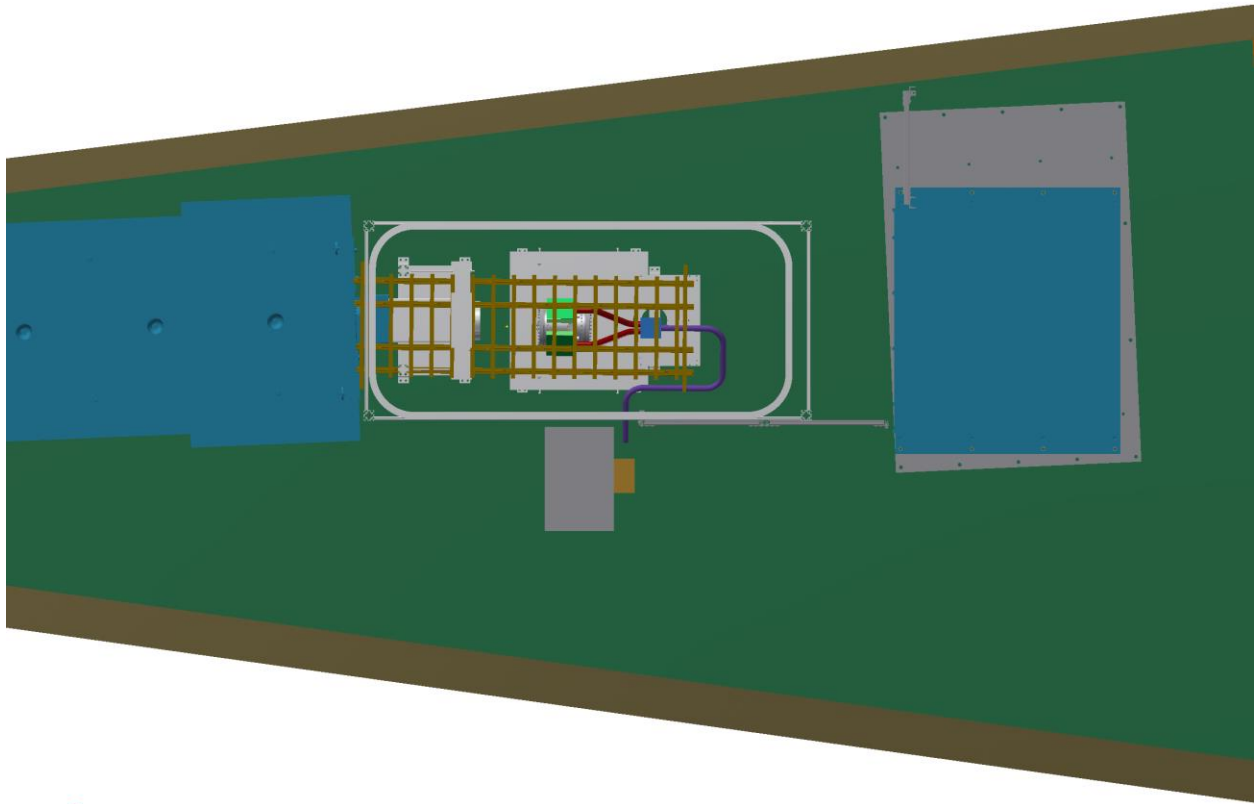
N3He coils are in gold.

DAQ rack is grey with orange block on front to represent point where cable will exist the braid to go to the plugs.



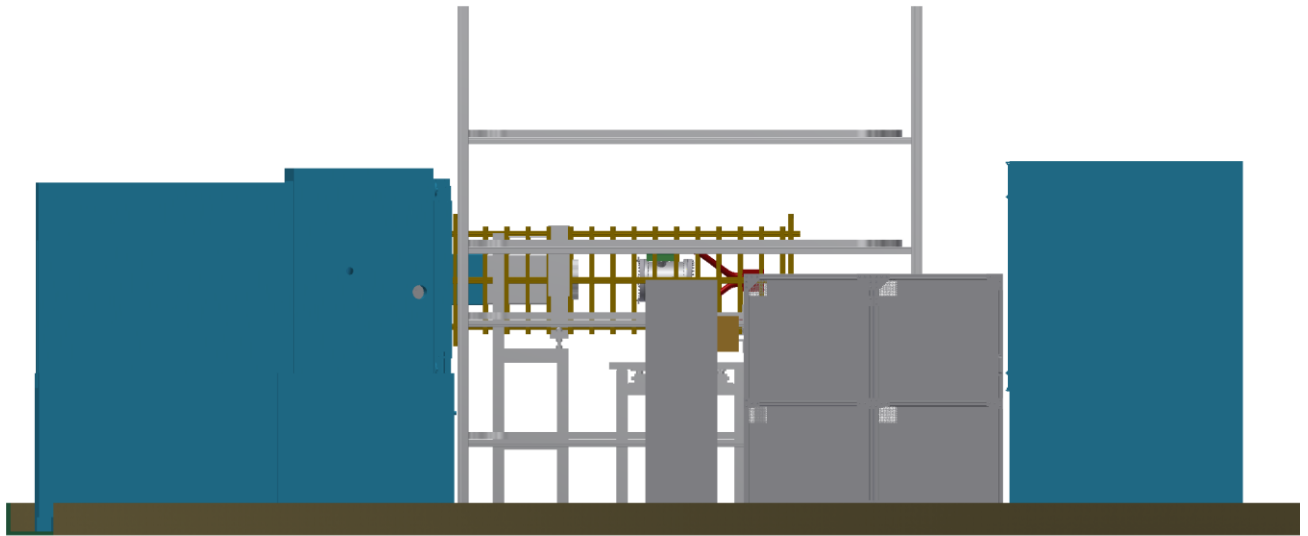
Close up view of target and coils.

top



Top View

In this view from above we can see the red conduit coming back to the blue junction box, and the purple line coming out around the safety shield to the DAQ rack.



Side View