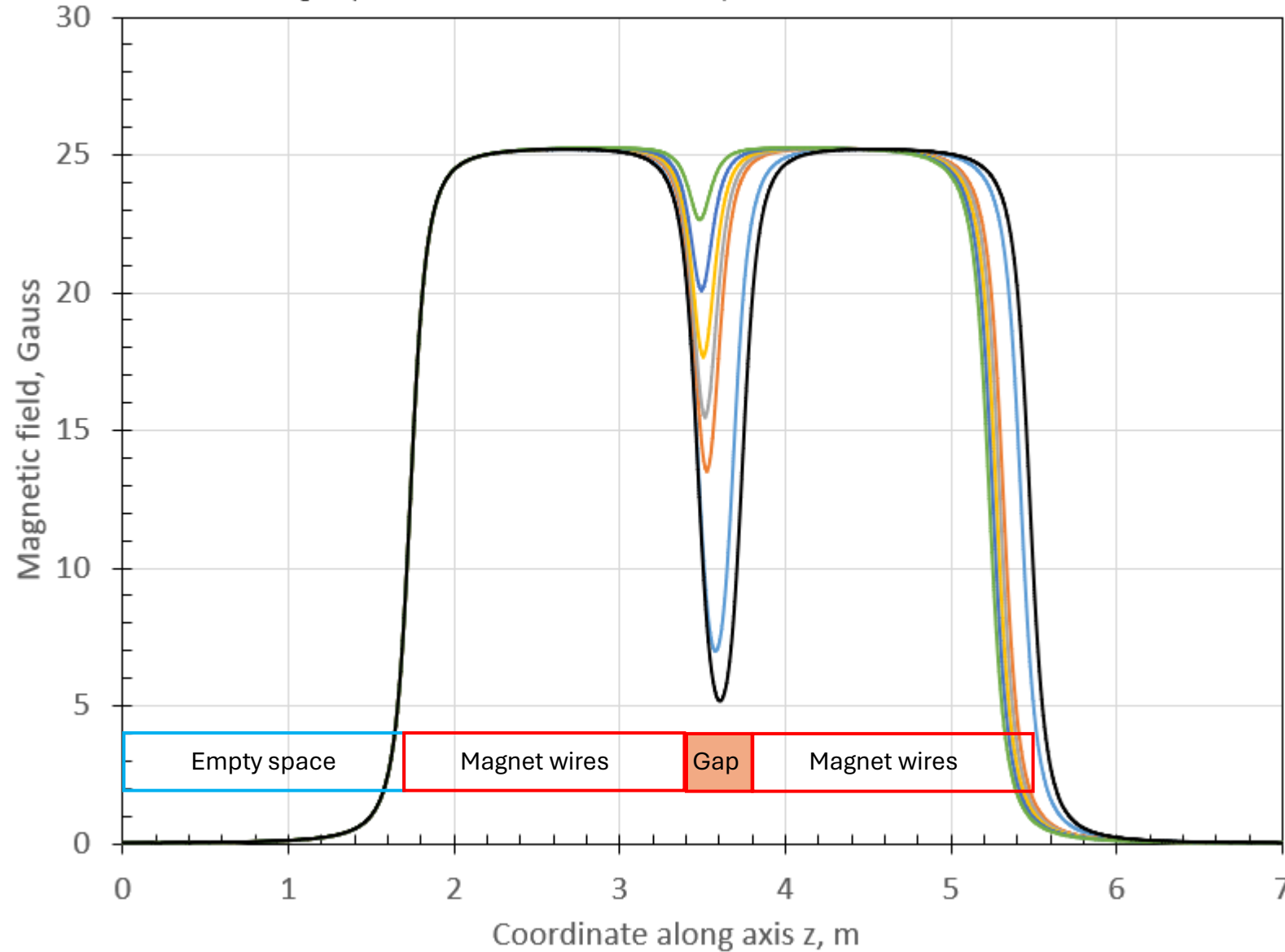
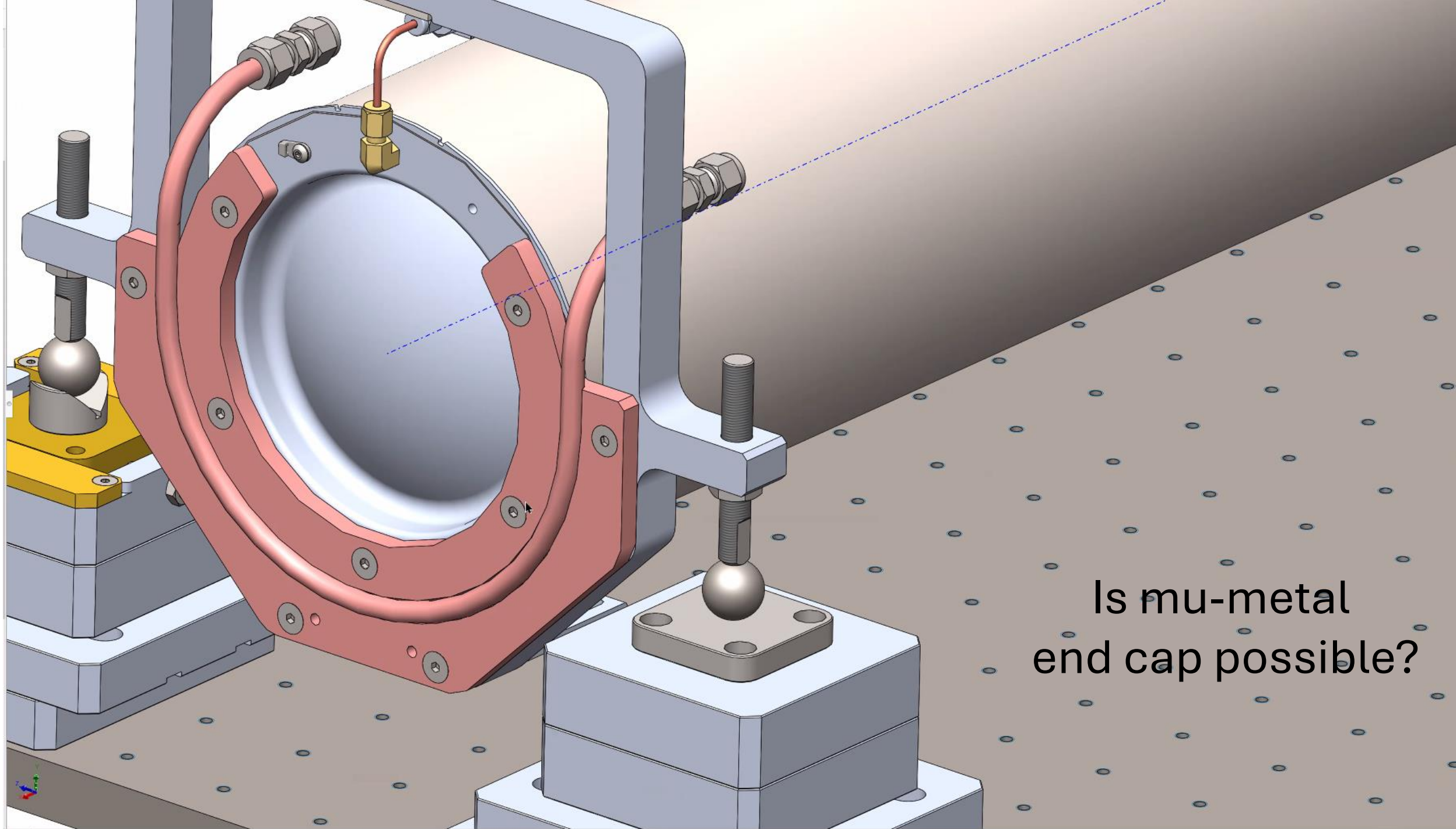


Axial field of two solenoids with gap in between
single layer current 2.14 A, wire diameter and period 1.082 mm, 1635 turns



Gaps shown
20 wires
40
60
80
100
200
250



Is mu-metal
end cap possible?

Possible changes for improvement

1. Reduce distance between magnets
2. Make μ – metal disk caps for the flanges with square holes for the beam
(0.3 mm thickness is OK according to Chris)

Problem:

It seems that designed kinematic mounts will interfere with the guide system in the parking position. Will need to modify the design to exclude the interference.

Update:

The space for nTMM absorber in guide section 7 is identified.