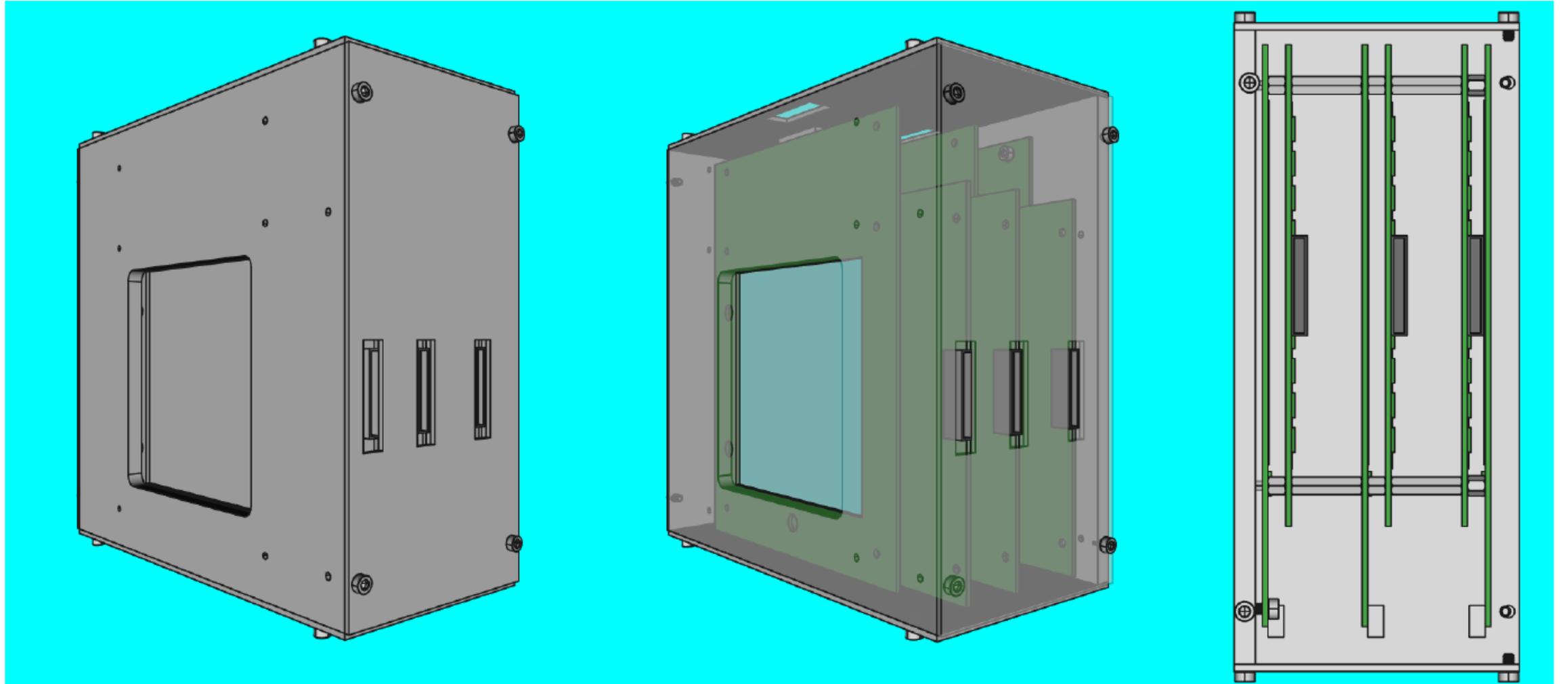
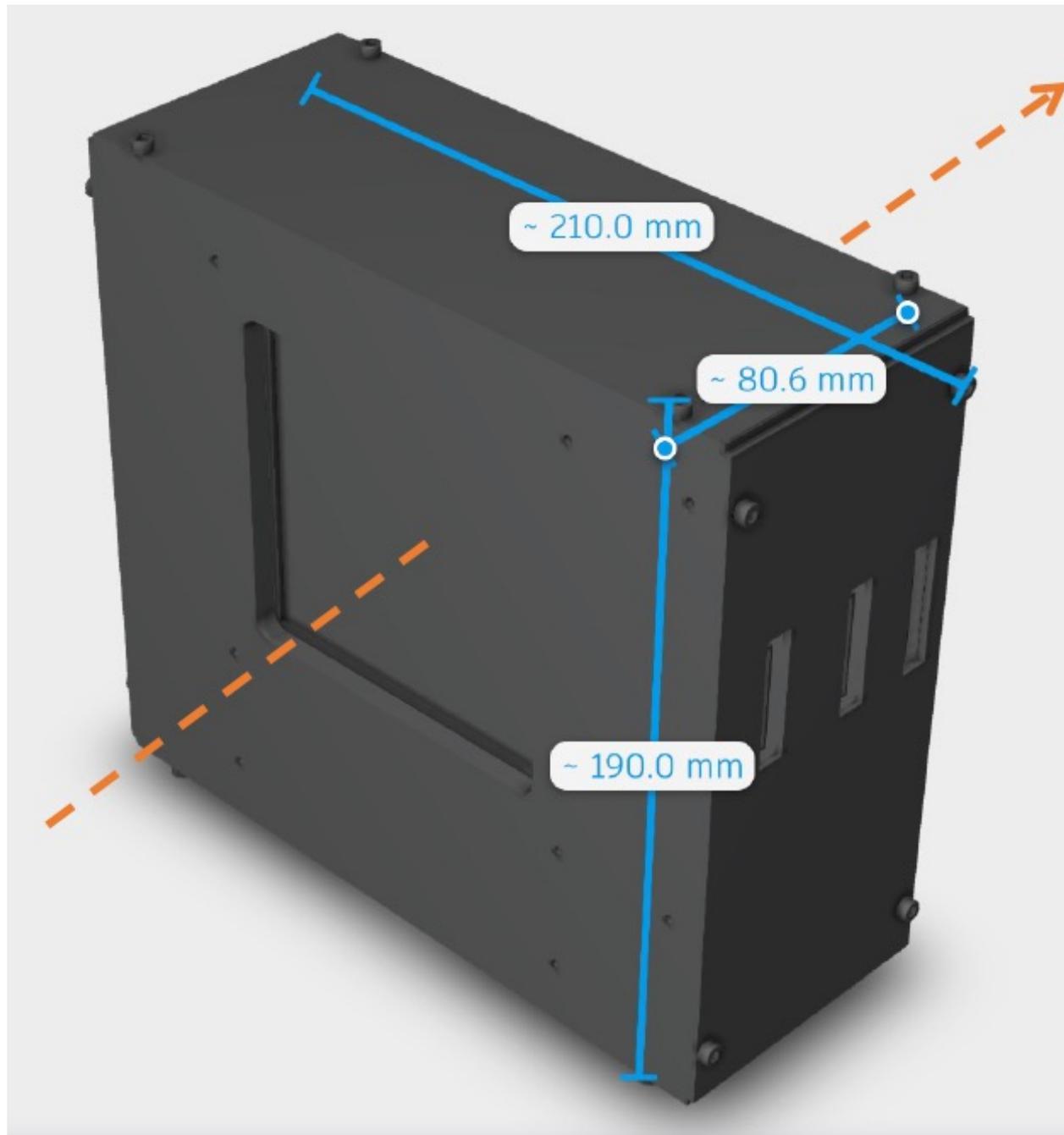


Starting to introduce passive materials in FOOT MC model

MSD

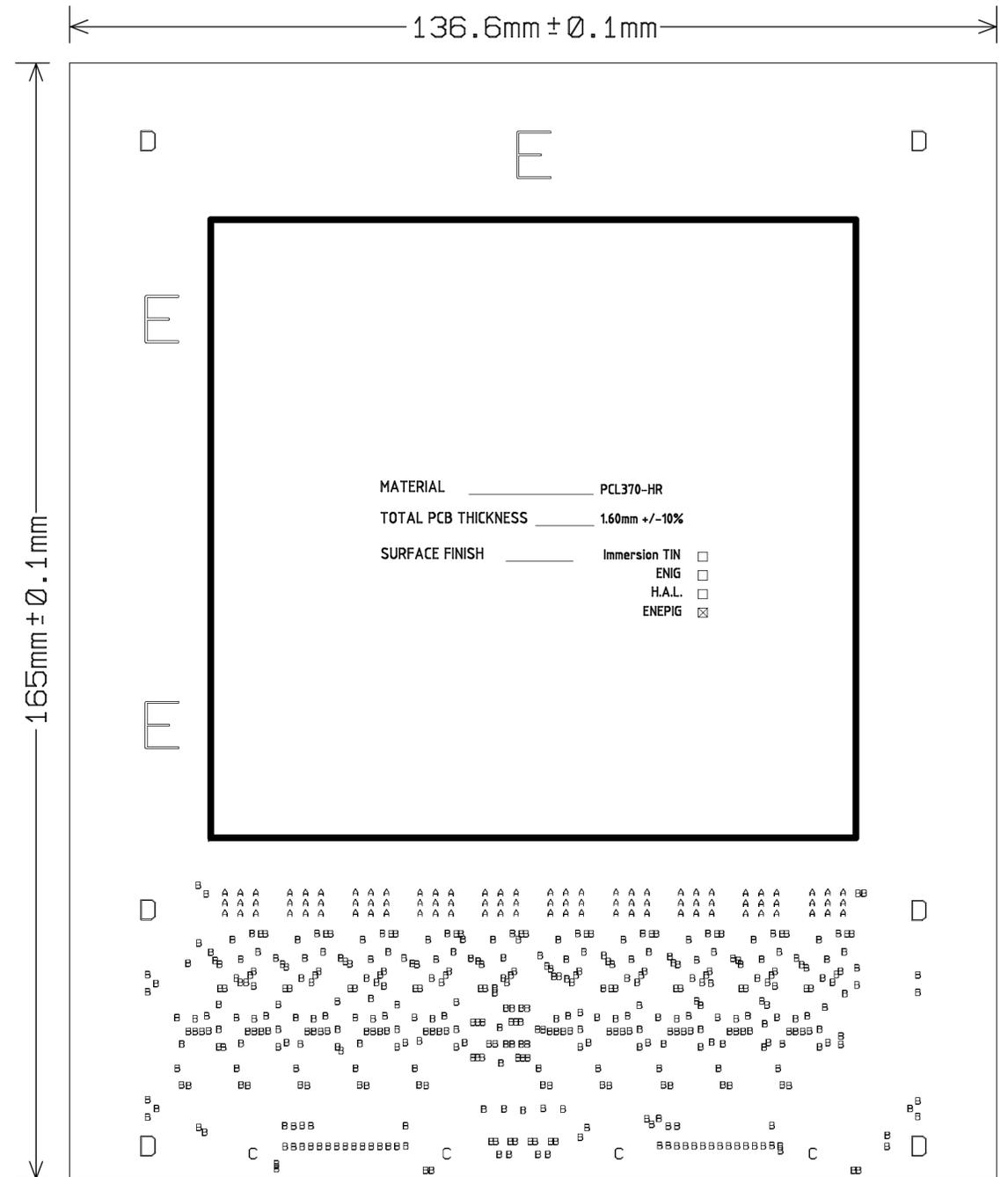
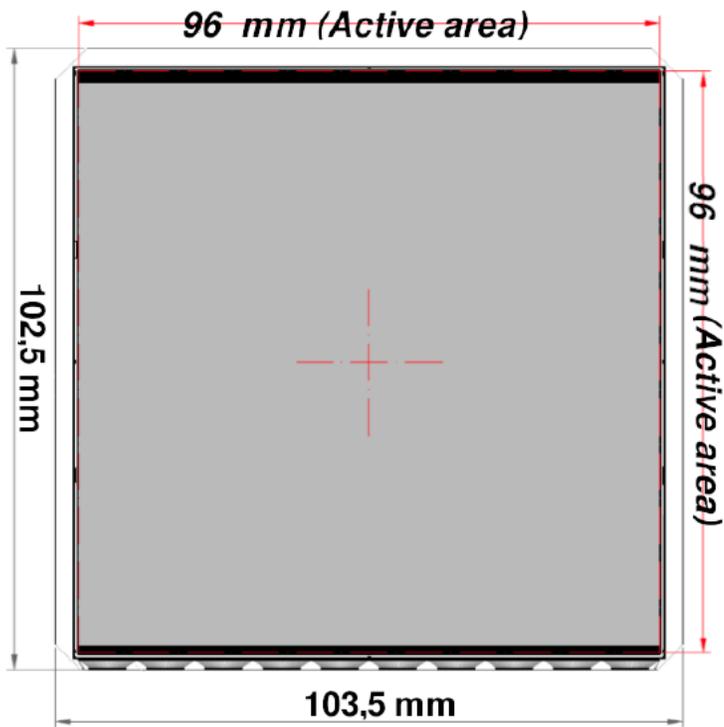




Materiale finale: Alluminio

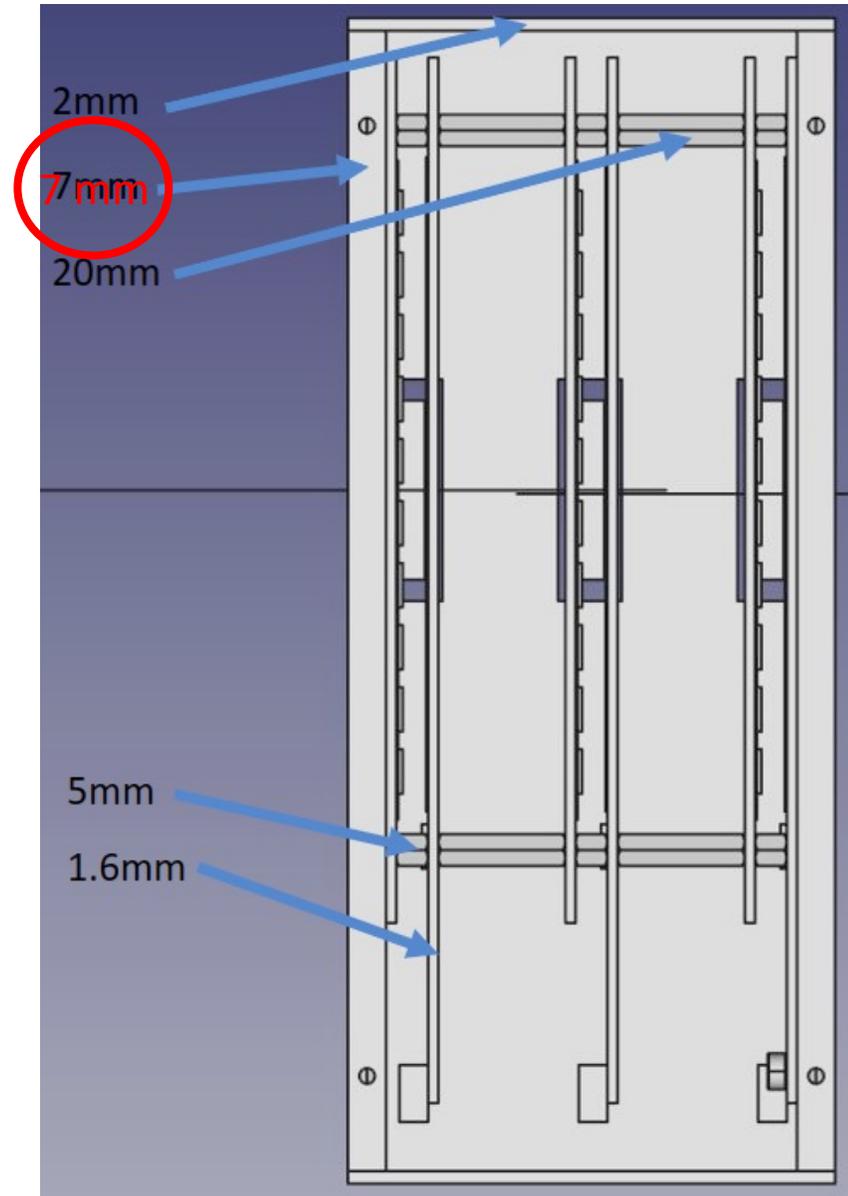
ognuno dei silici è incollato ad un PCB come in figura
 I PCB sono montati alternati a 90° (separati di 5mm per una coppia e di 20mm tra le coppie). Il primo e l'ultimo PCB sono montati sui coperchi della scatola (Alluminio da 7mm per coperchio), e intorno ai coperchi abbiamo le piastre laterali (Alluminio da 2mm).

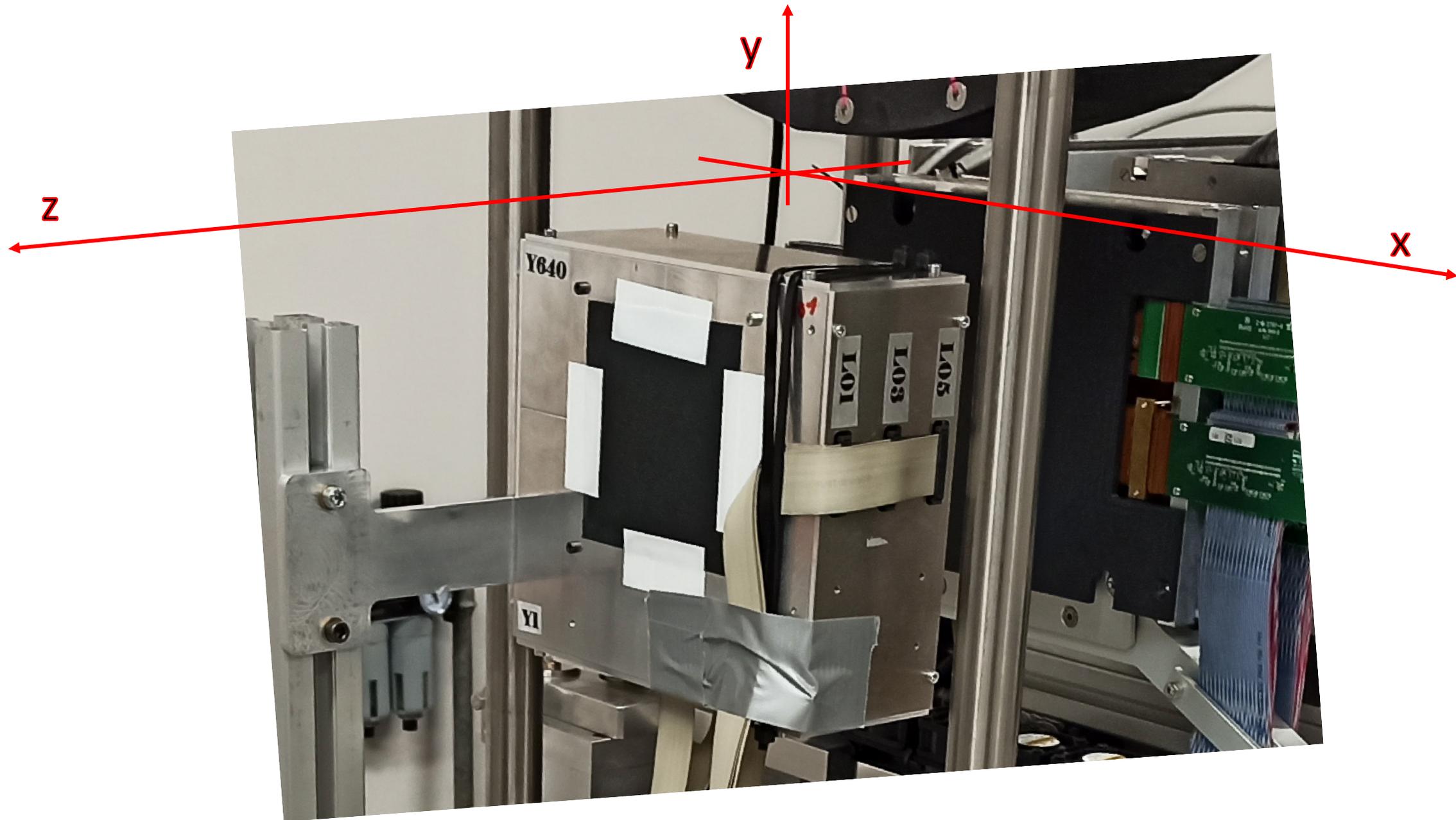
Lo spessore delle PCB è 1.6 mm



All'interno della box abbiamo queste distanze (riferimento al centro della seconda coppia di detector)
La faccia esterna della box rivolta verso il magnete si troverà a $Z=-39.3$ mm (sempre rispetto al centro della seconda coppia).

ID	Z (mm)
0	-30.55
1	-25.85
2	-2.35
3	2.35
4	25.85
5	30.55





165mm ± 0.1mm

Board 0,2,4

2.08 cm

9.6 cm*

MATERIAL _____ PCL370-HR
 TOTAL PCB THICKNESS _____ 1.60mm +/-10%
 SURFACE FINISH _____
 Immersion TIN
 ENIG
 H.A.L.
 ENEPIG

2.03 cm

136.6mm ± 0.1mm

UNIT: mm - INCREMENT

136.6mm ± 0.1mm

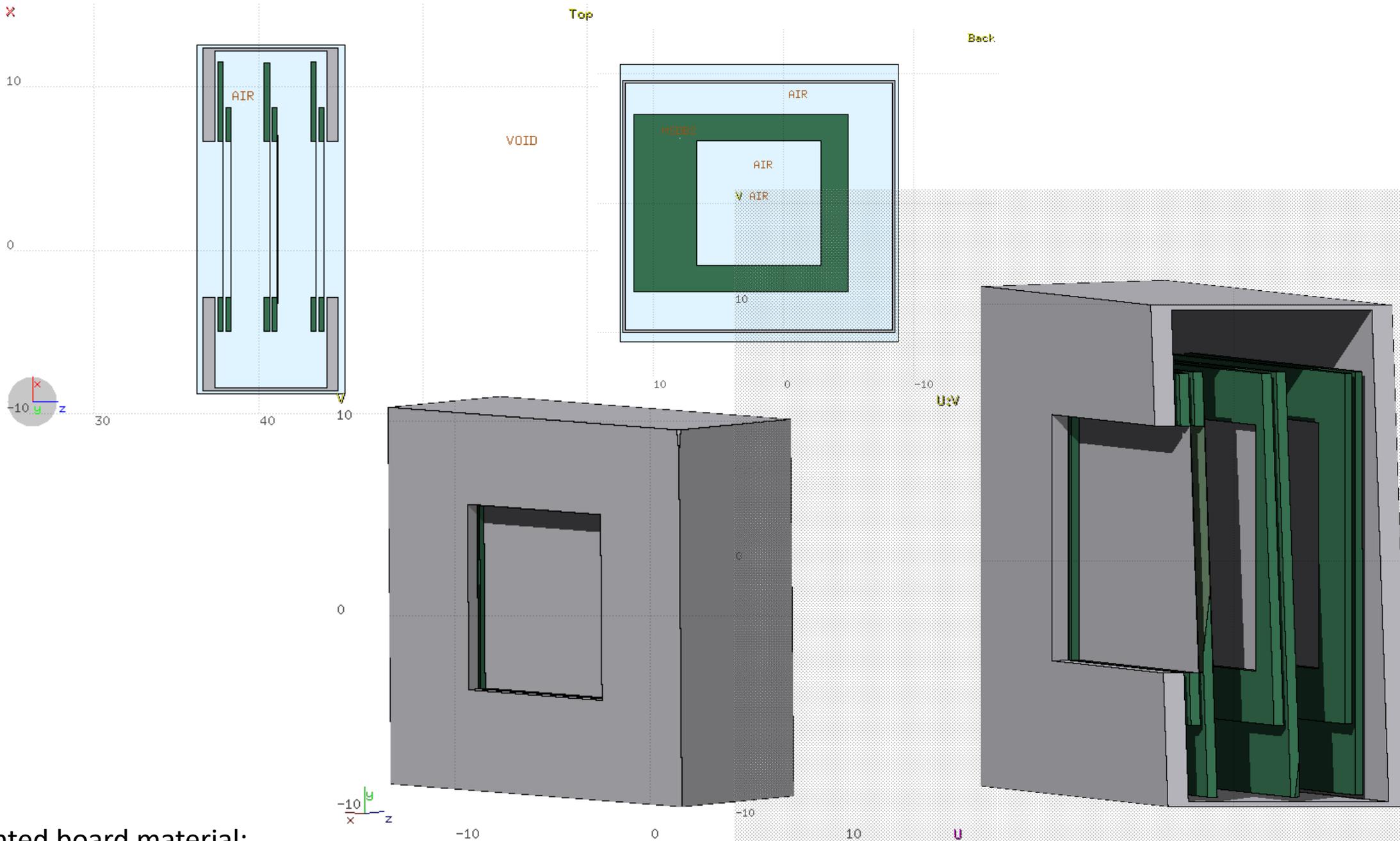
Board 1,3,5

MATERIAL _____ PCL370-HR
 TOTAL PCB THICKNESS _____ 1.60mm +/-10%
 SURFACE FINISH _____
 Immersion TIN
 ENIG
 H.A.L.
 ENEPIG

*to be confirmed

X

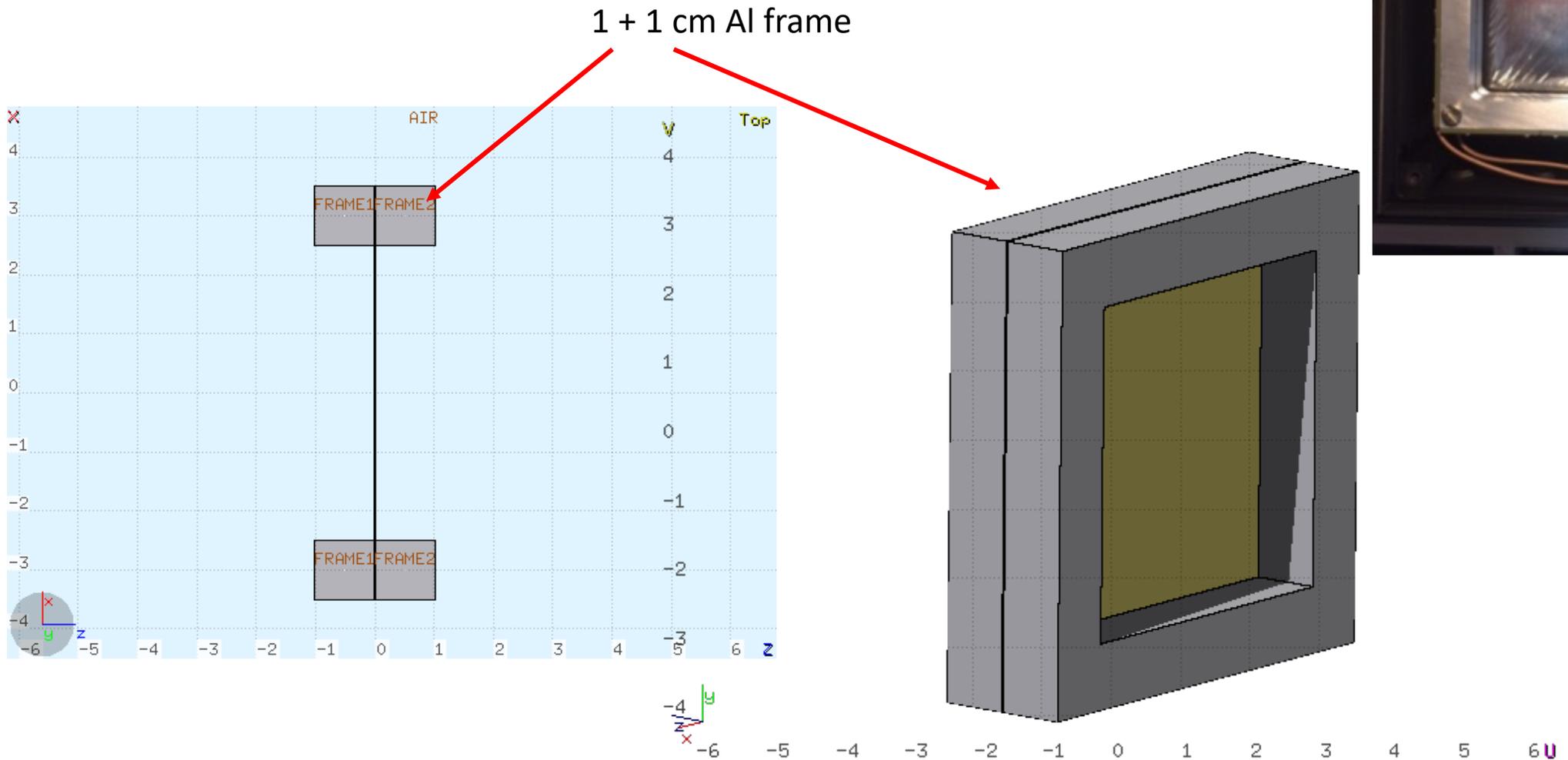
Y



Printed board material:

- A composition taken from averages existing in literature. To be used also for VTX.

SC passive materials



In the case of FOOT, the beam at SC should be sufficiently narrow to avoid hitting the frame

VTX materials

