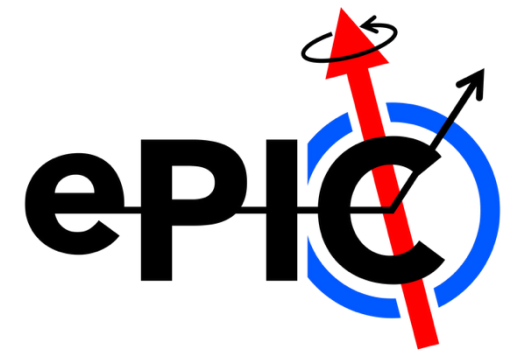




SVT IB design update

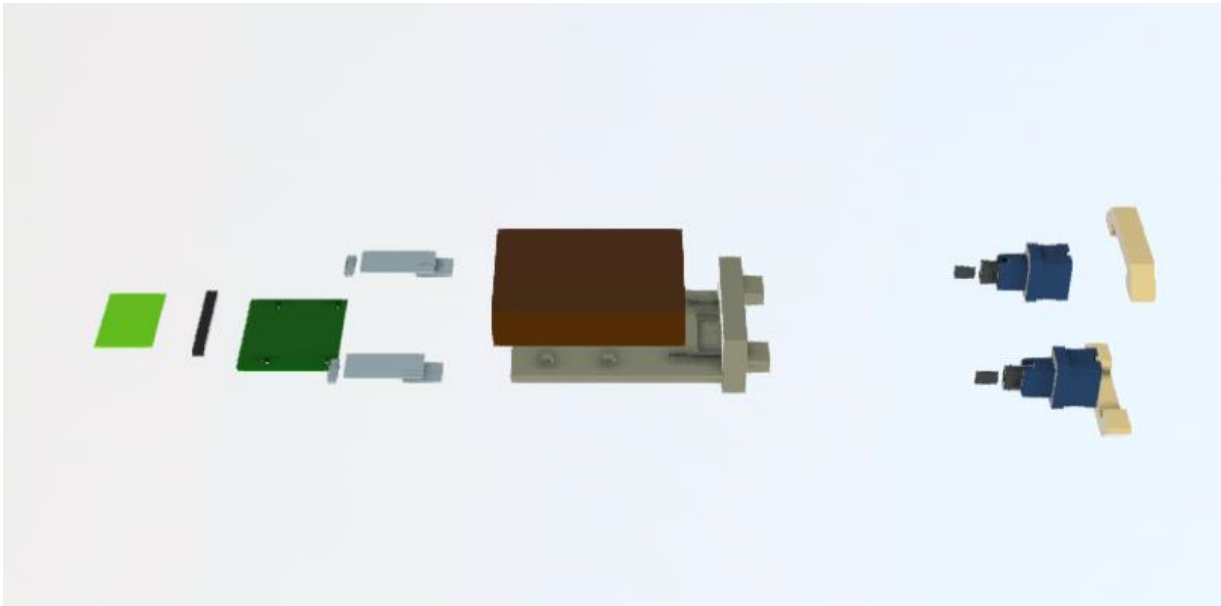
Rosario Turrisi

What is this update about

- SIBs mechanical layout
 - FPCs path, bending radii
 - SIBs position
 - Anchor points
-
- ...and one point about air pipes

SIB exploded view

Version 1

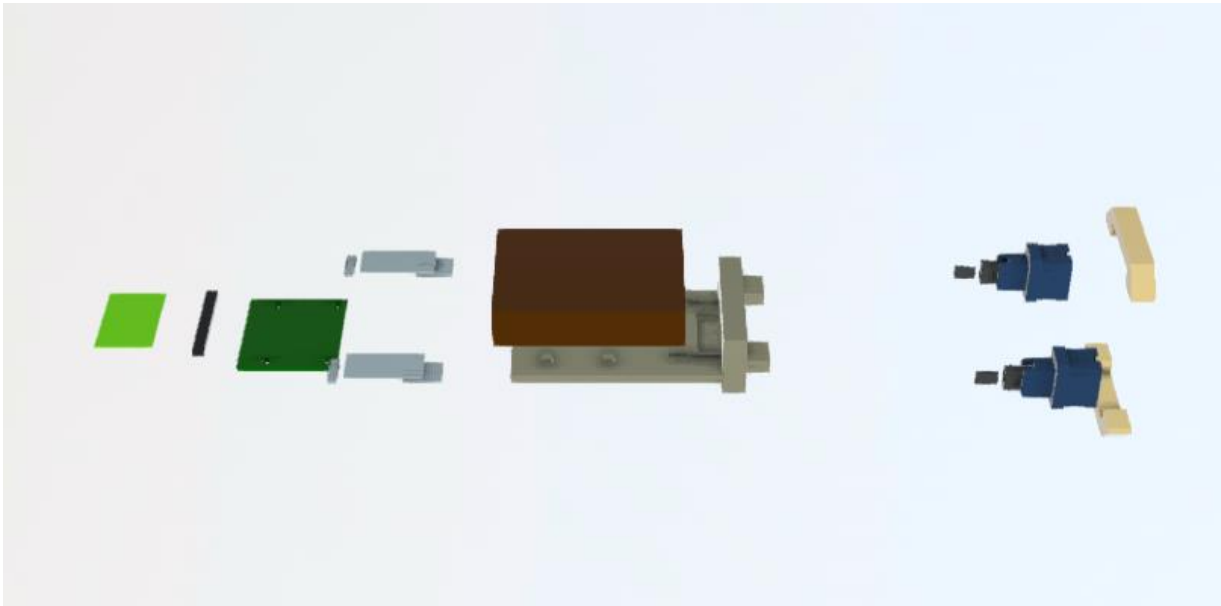


Version 2



SIB exploded view

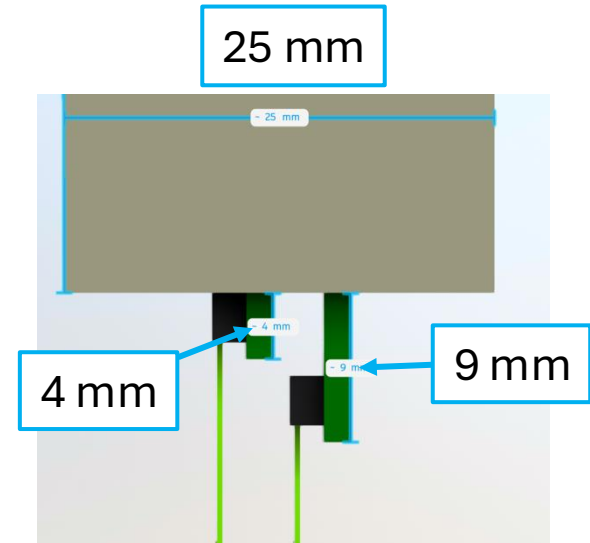
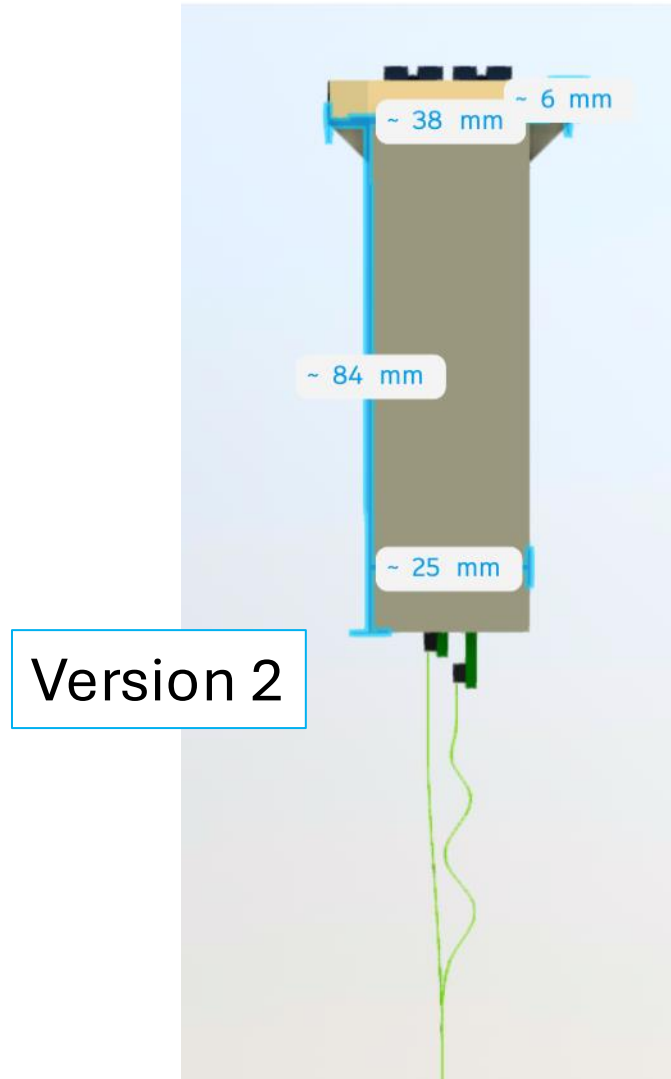
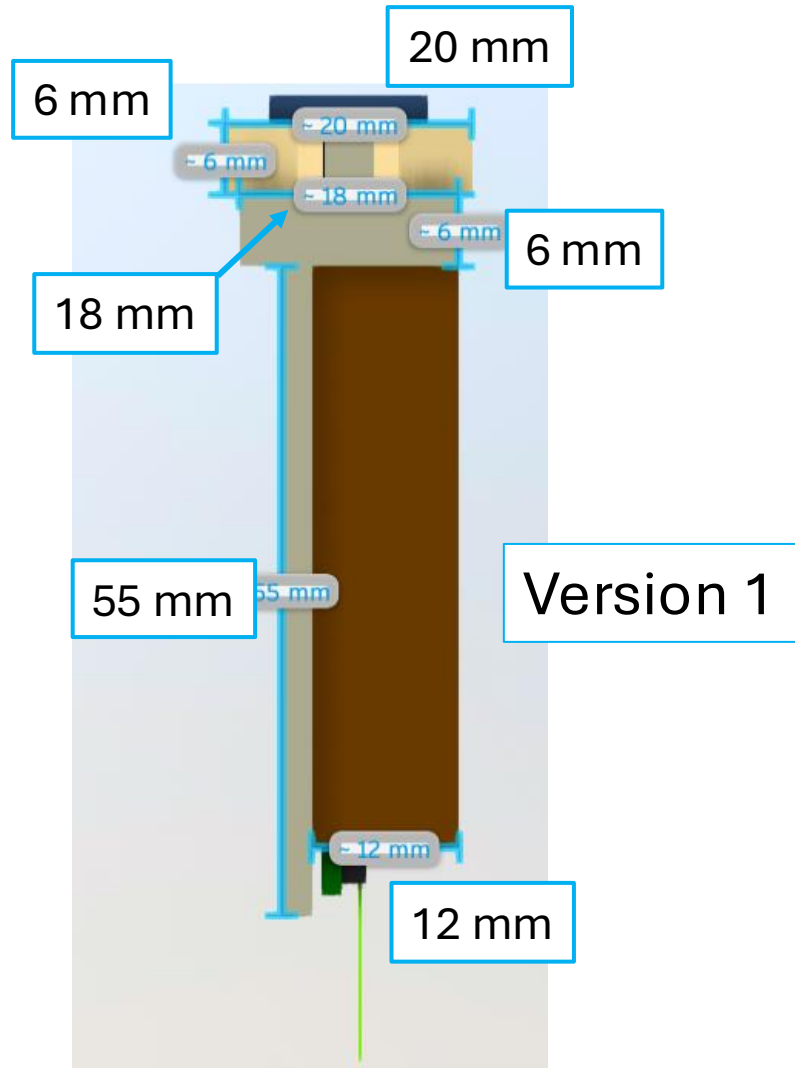
Version 1



Version 2

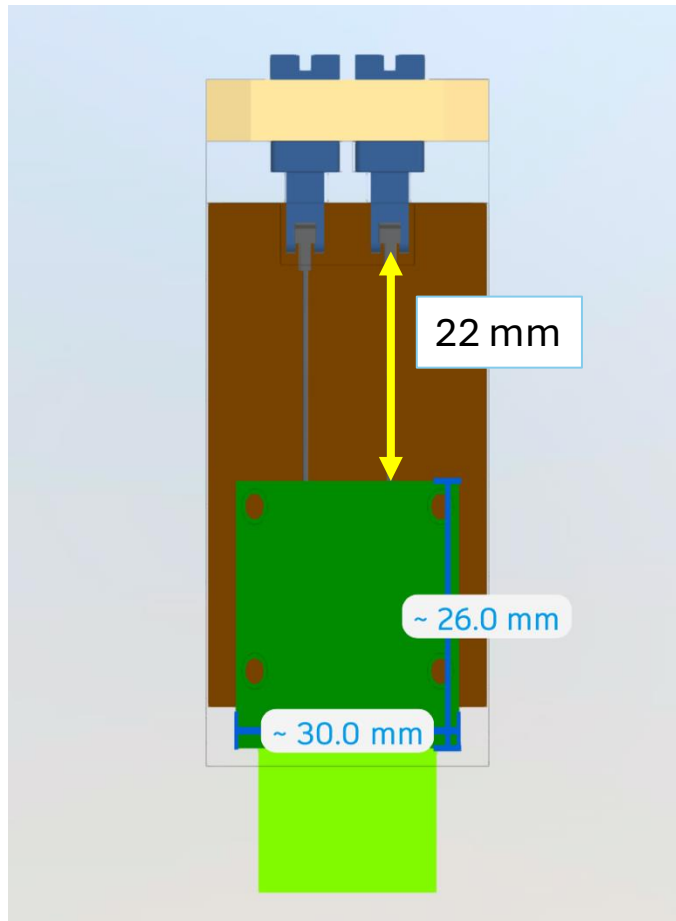


SIB main quotes

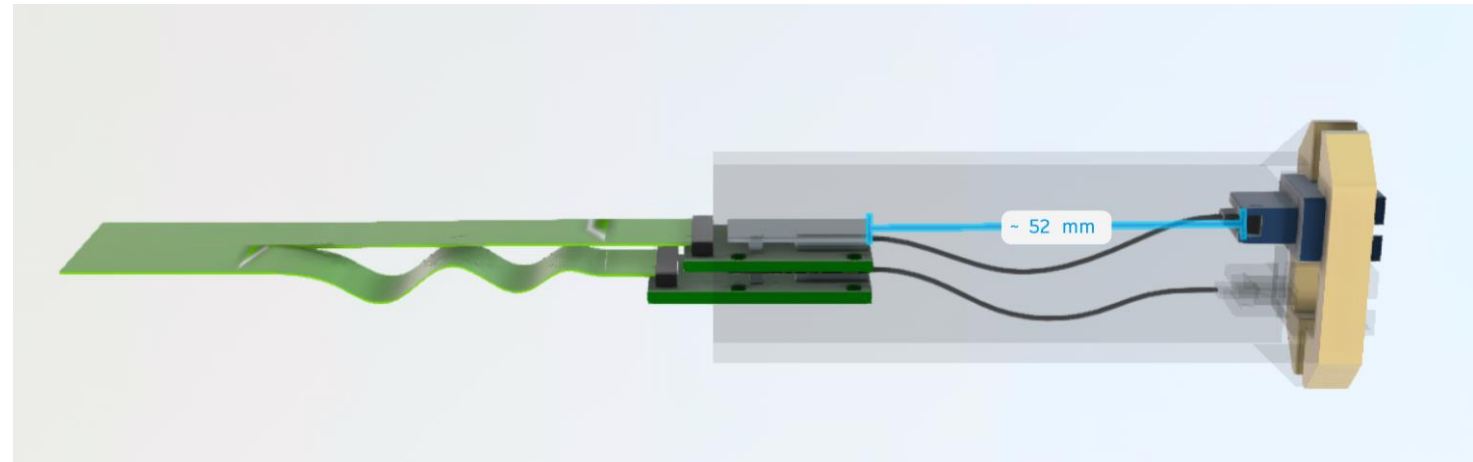


SIB box internal layout

Version 1

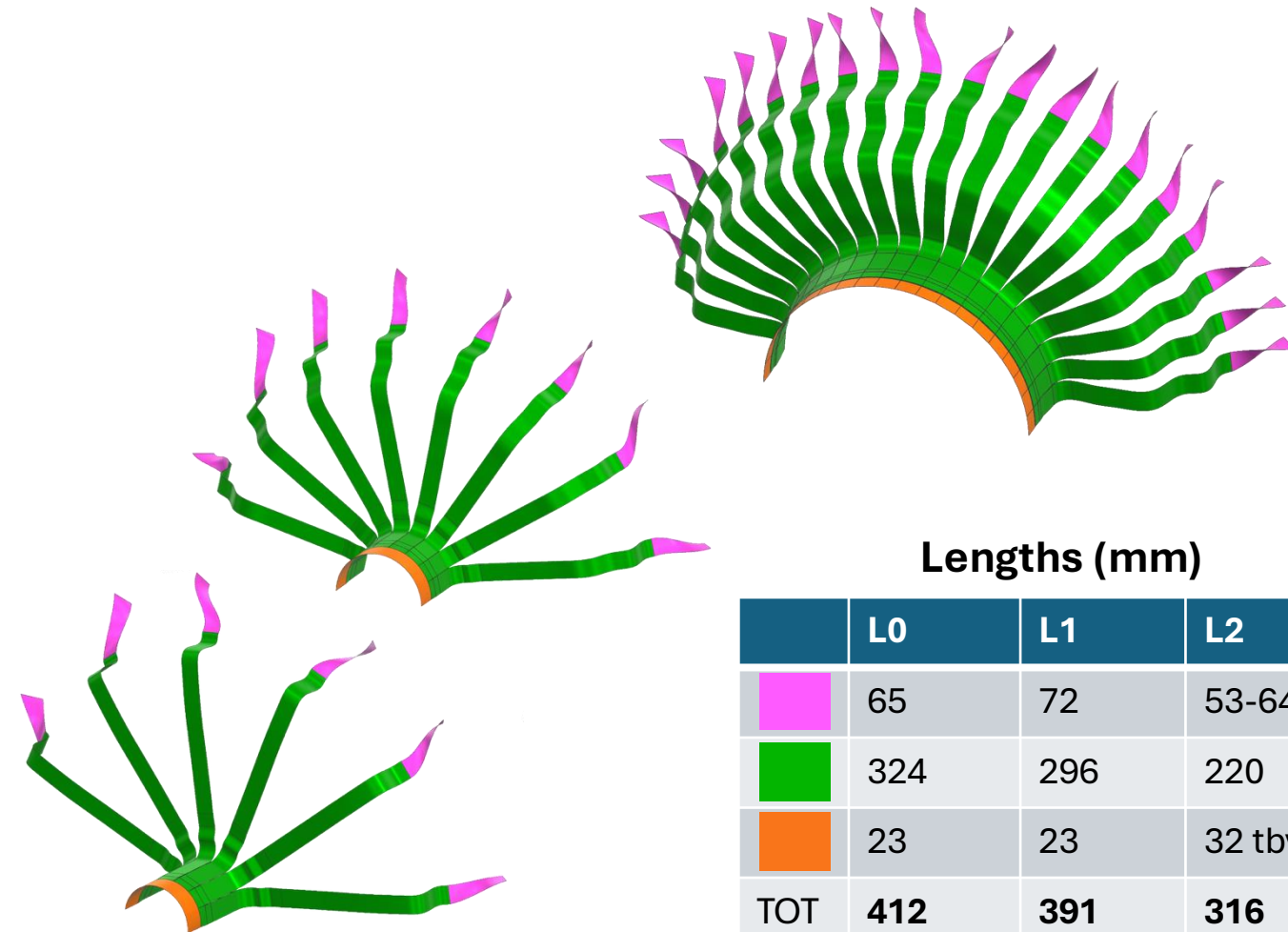


Version 2



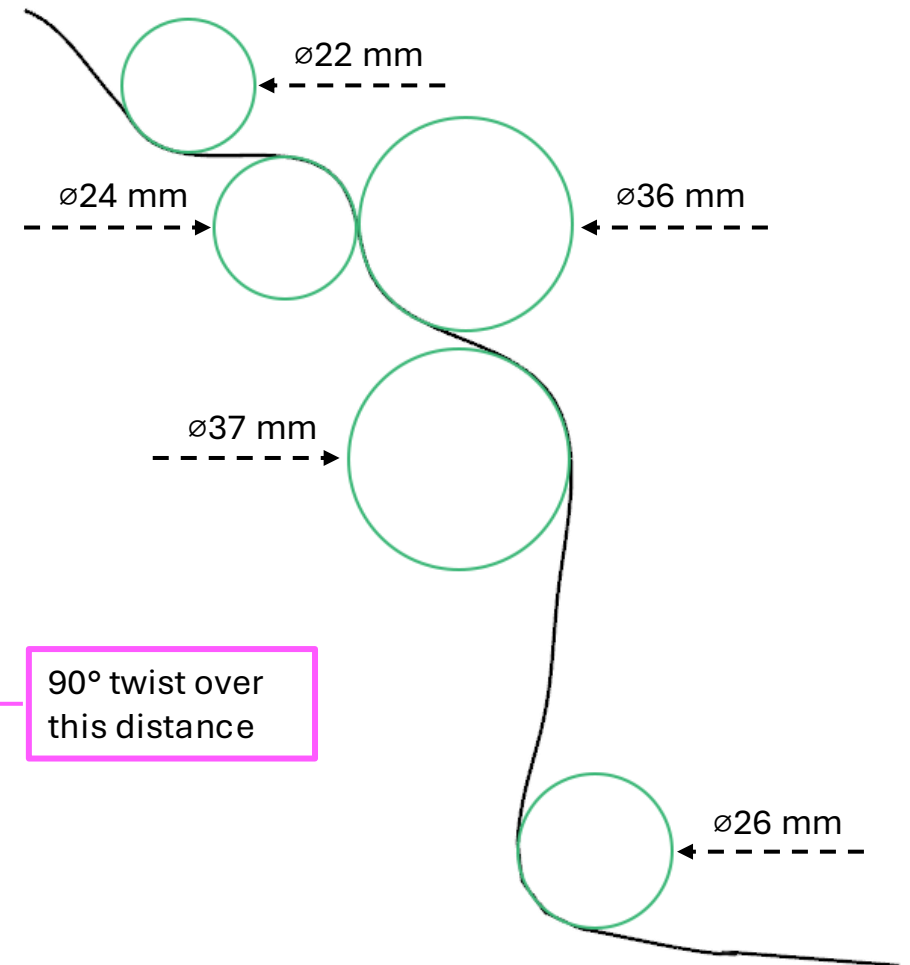
- different pigtails lengths hypothesis – as an exercise
- left design fits ITS3 board size

FPCs geometrical parameters



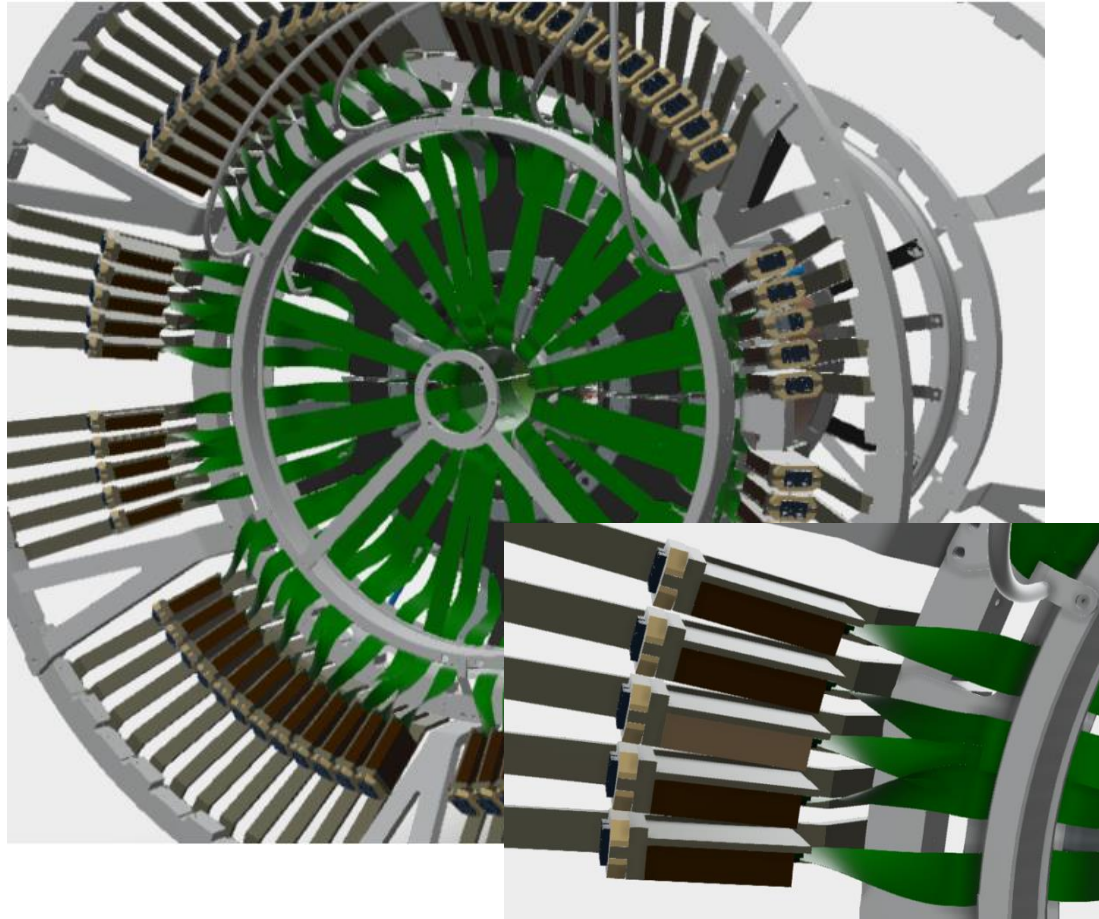
Lengths (mm)

	L0	L1	L2
	65	72	53-64
	324	296	220
	23	23	32 tbv
TOT	412	391	316

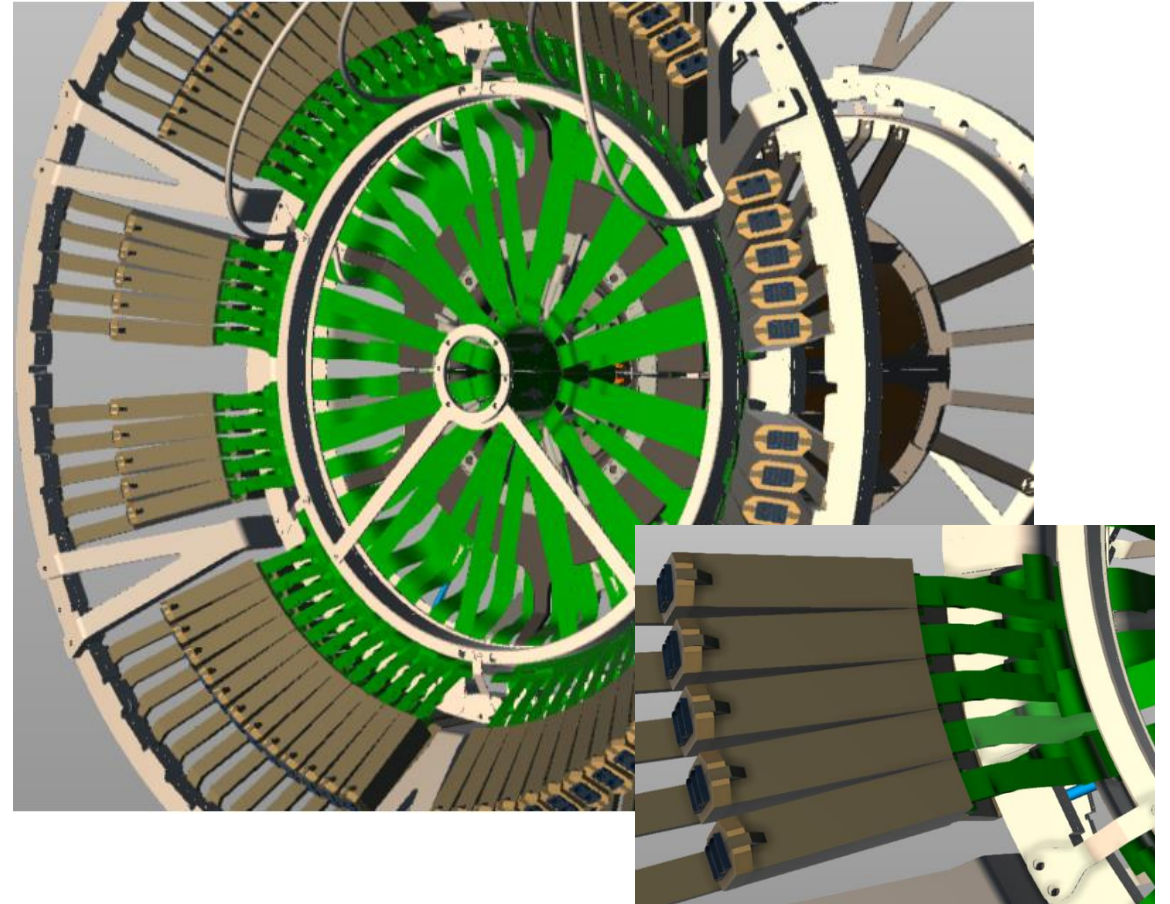


Mounting SIBs - 1

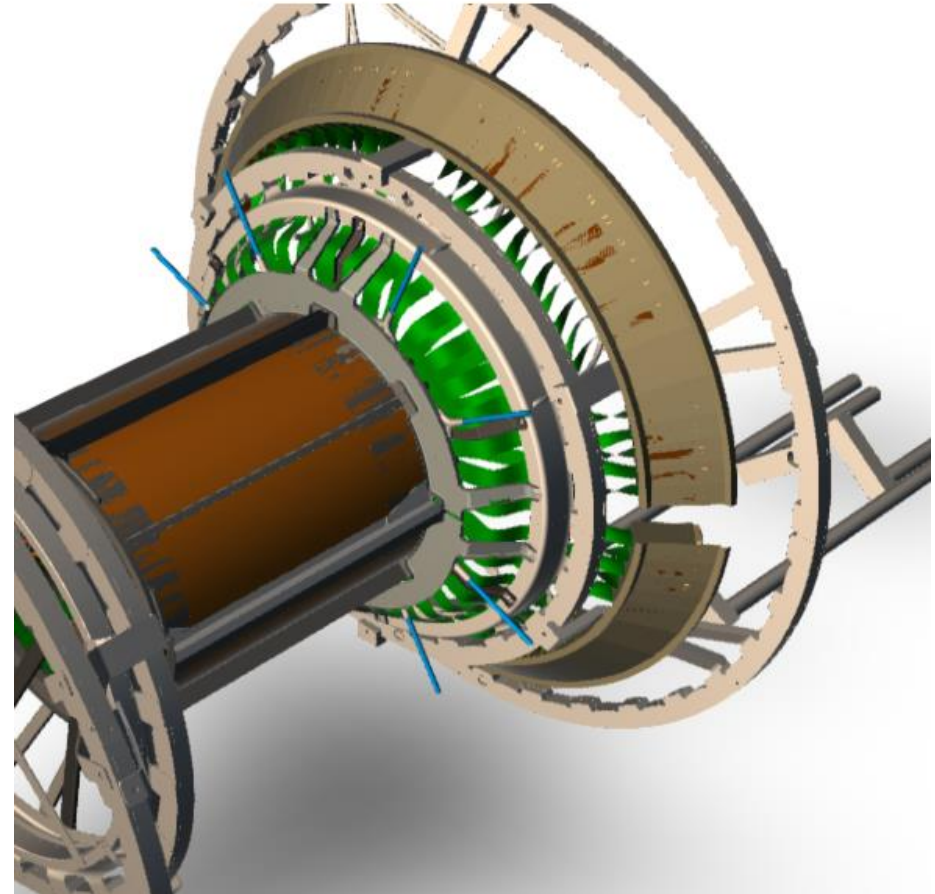
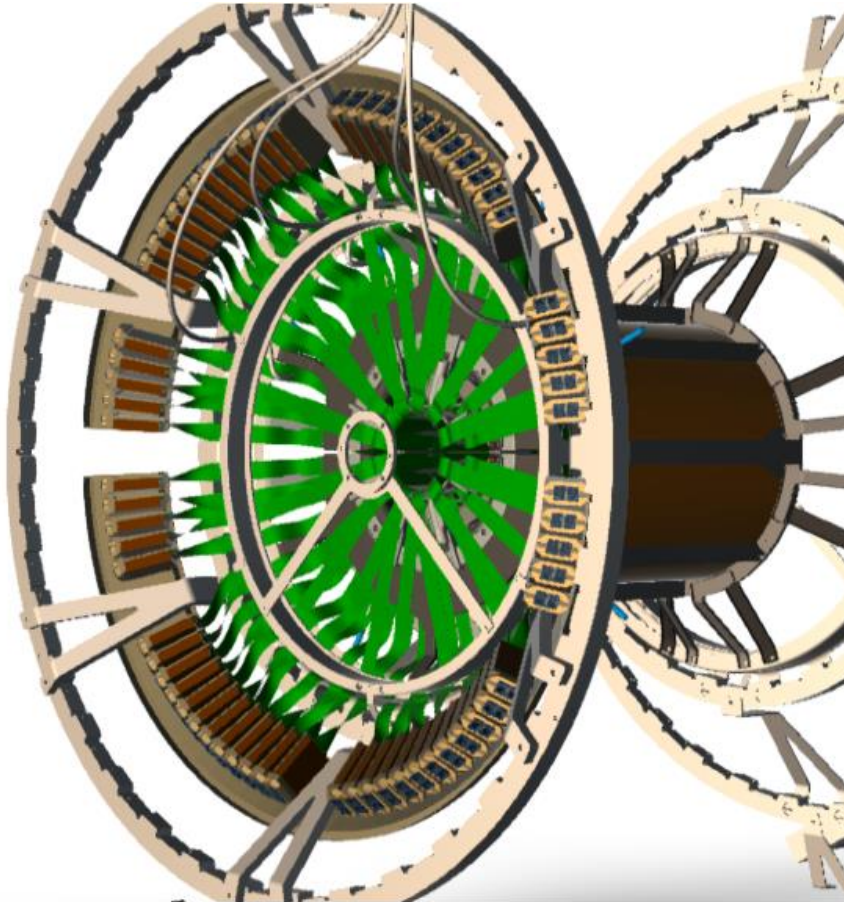
Option “A”



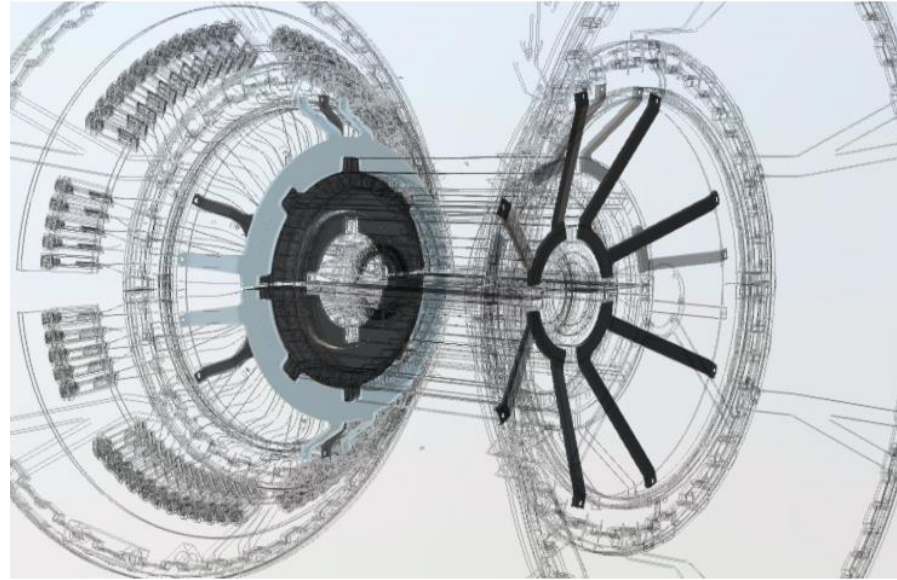
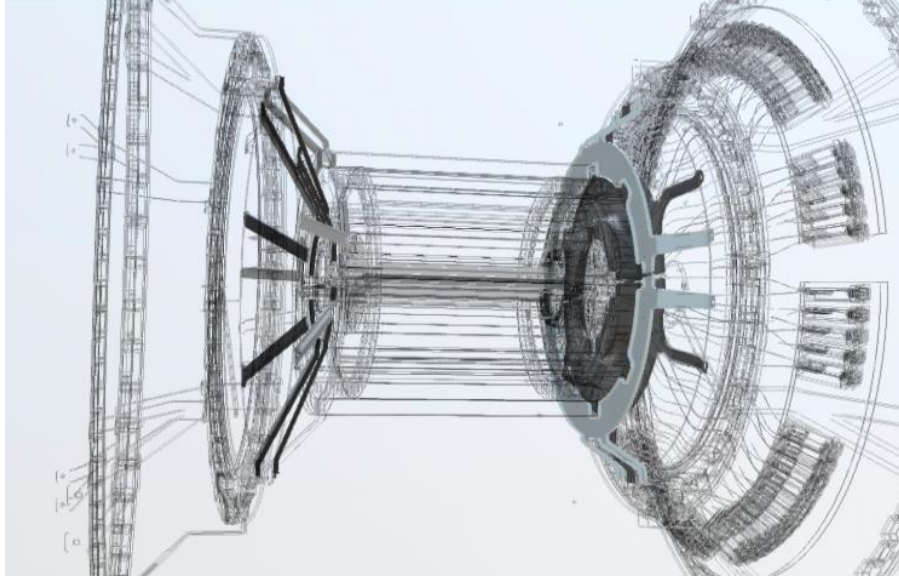
Option “B”



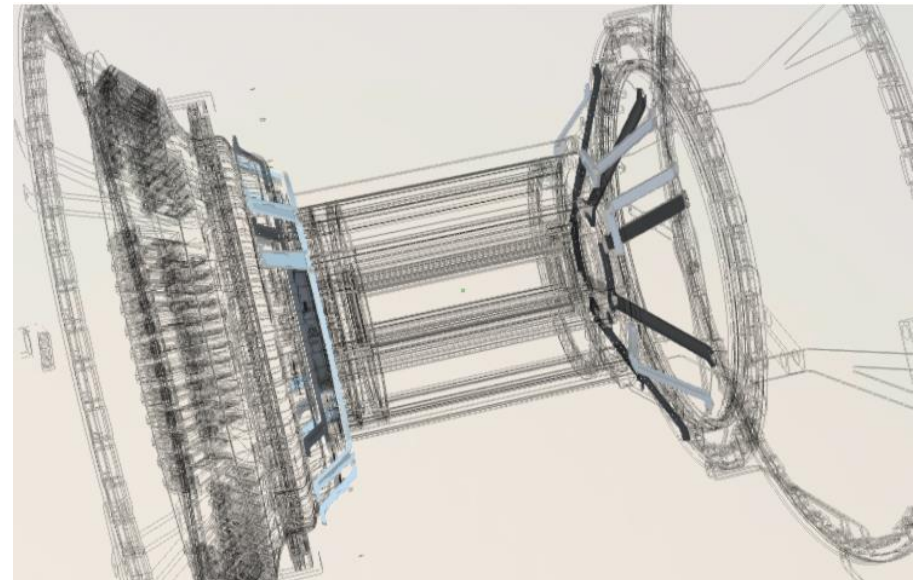
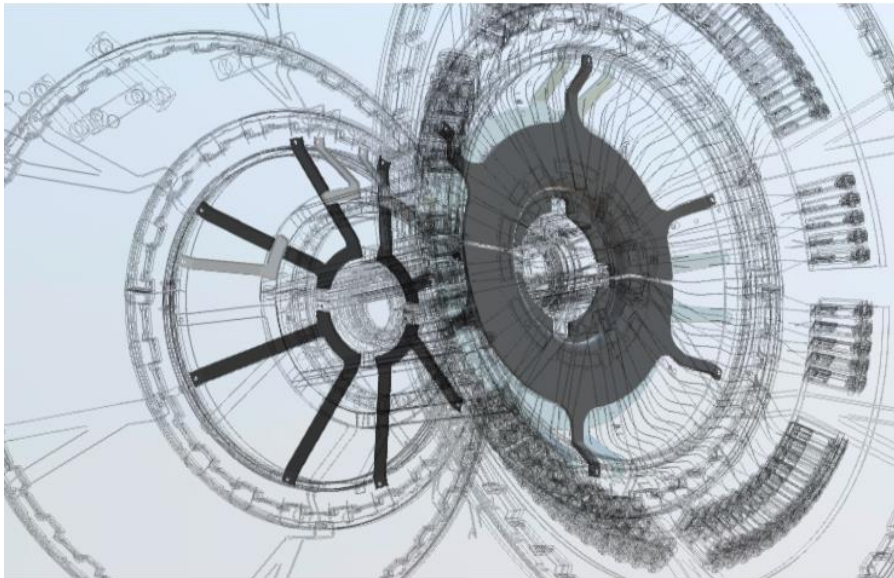
Mounting SIBs – 2: option “C”



Anchor points

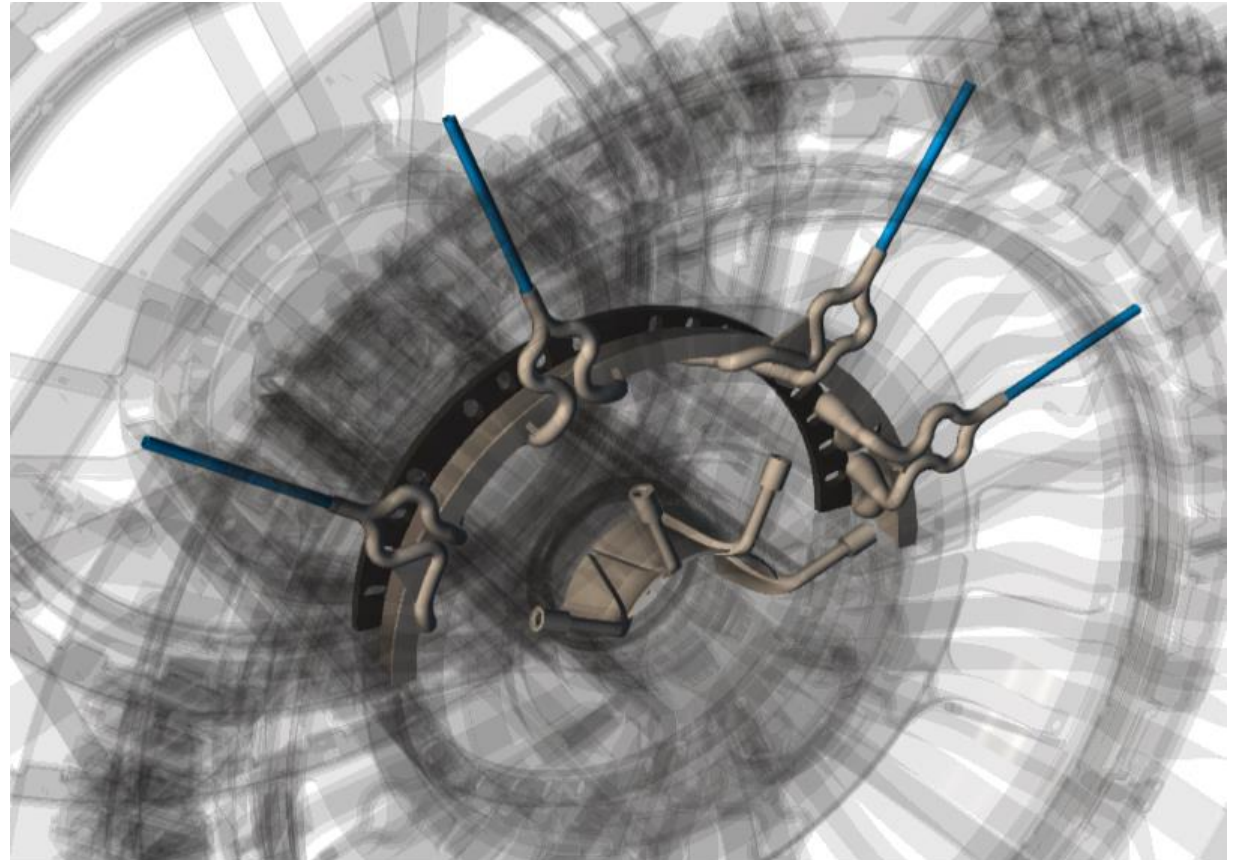
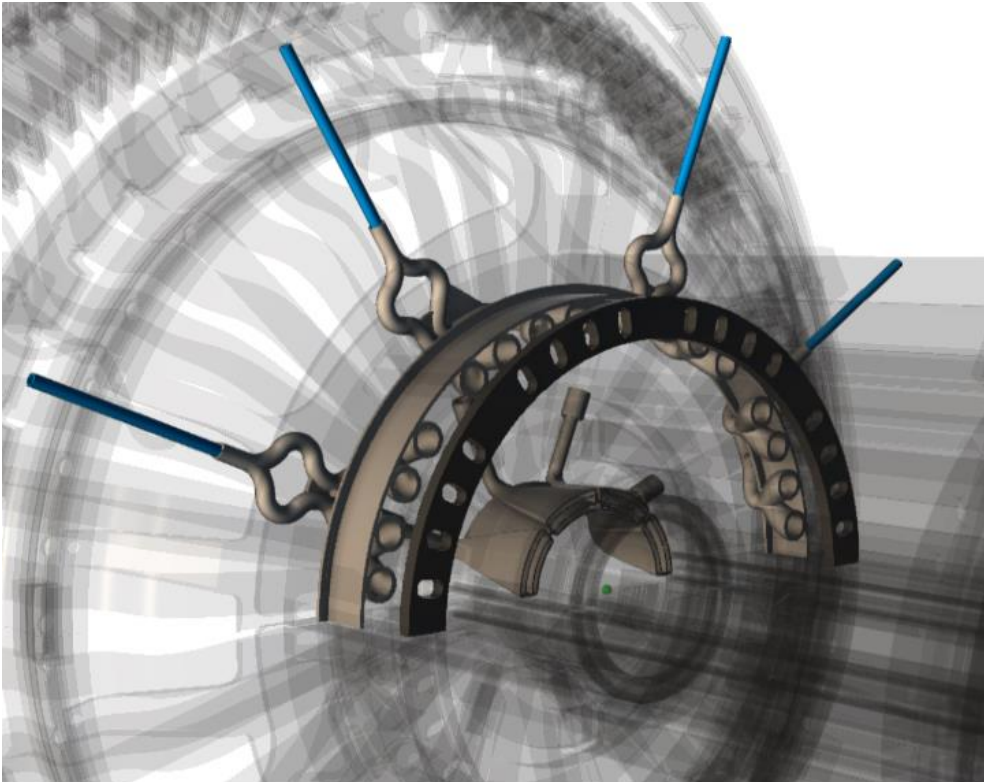


time to freeze the anchor points not far away...



Cooling lines

Eight inlets: independent/equalized?



Thank you!