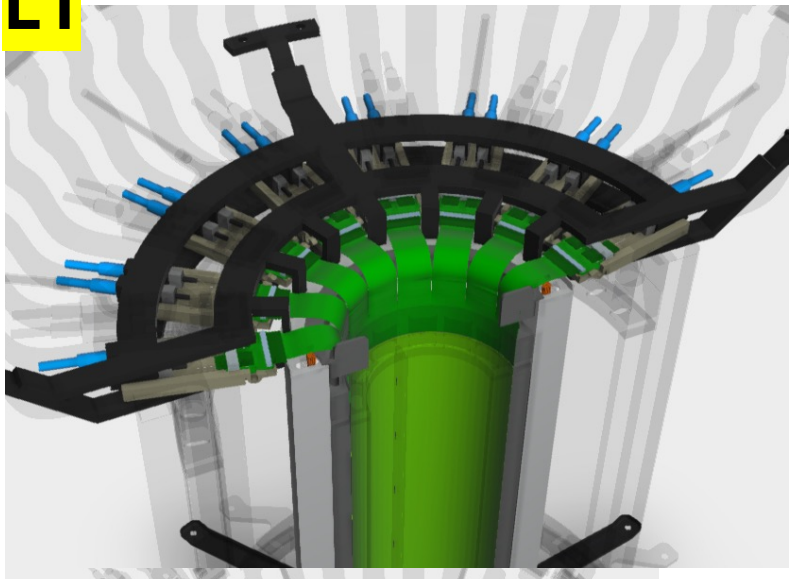
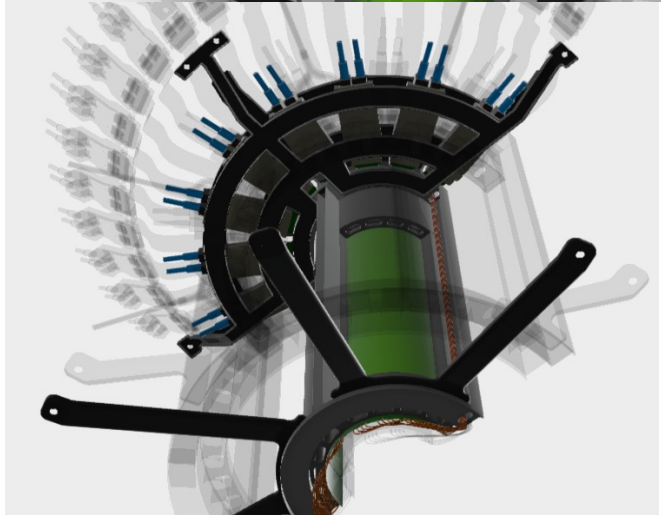
SVT IB design update

RT

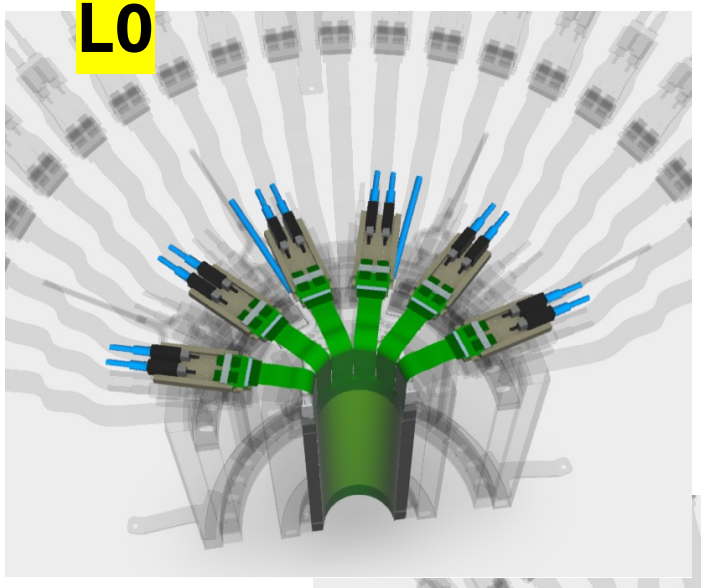
New layout of SIB boards

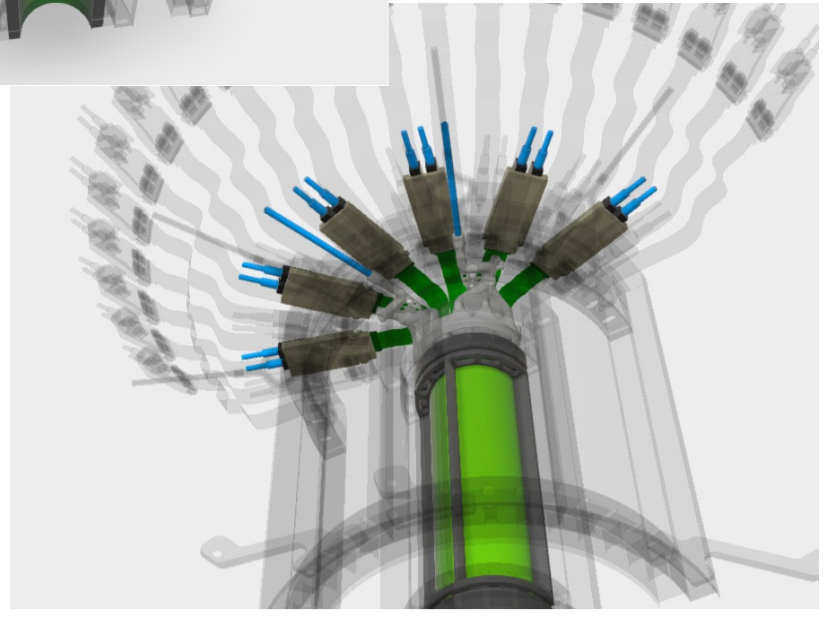
L1





L0





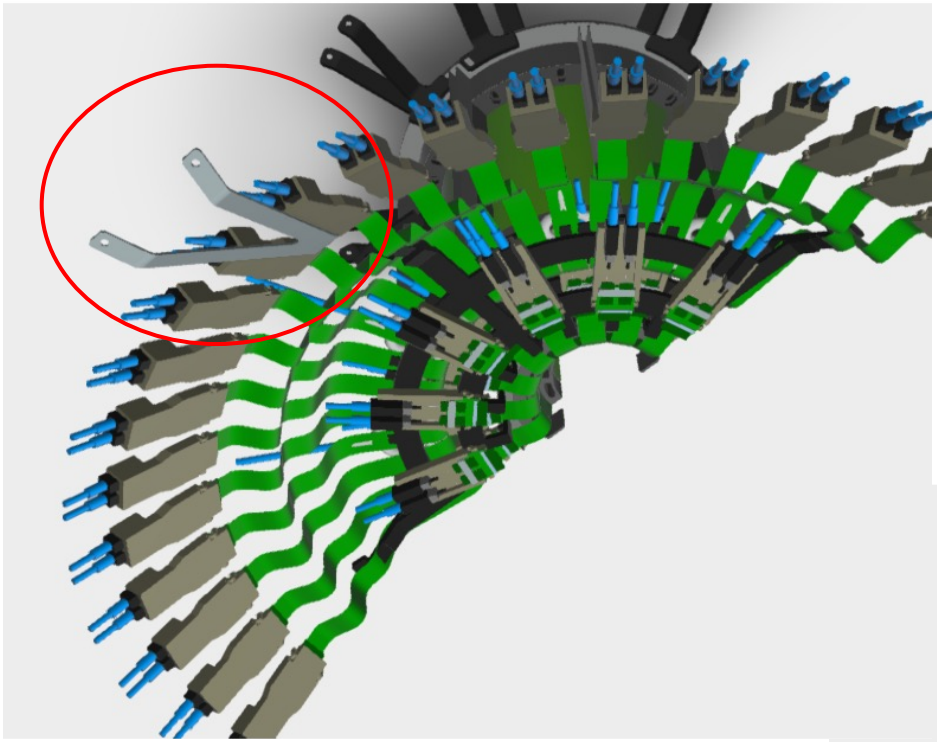
FPCs length:

L0 147 mm ✓

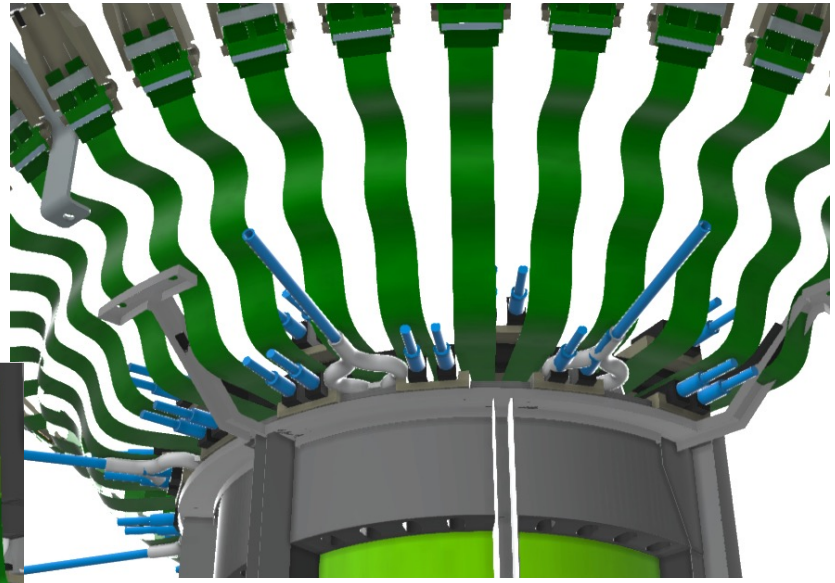
L1 113 mm ✓

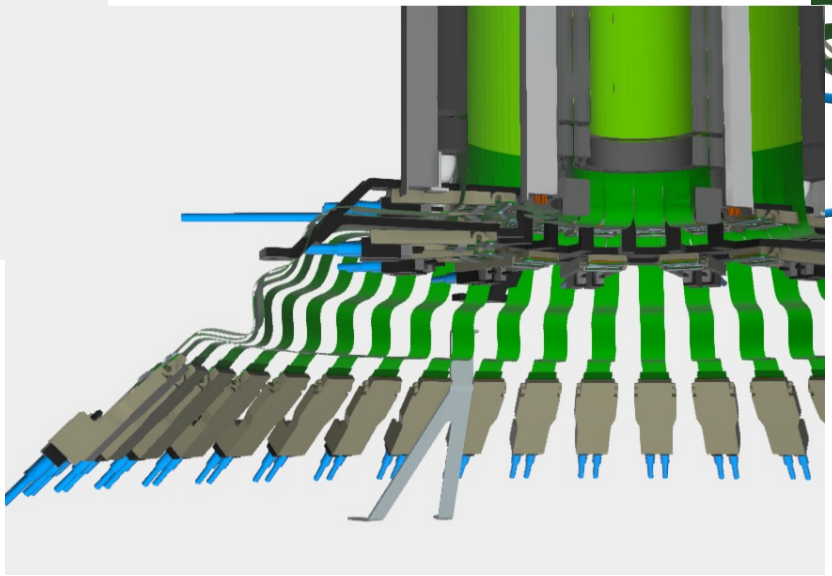
L2: see next slides

New positions for L2 SIBs – take 1

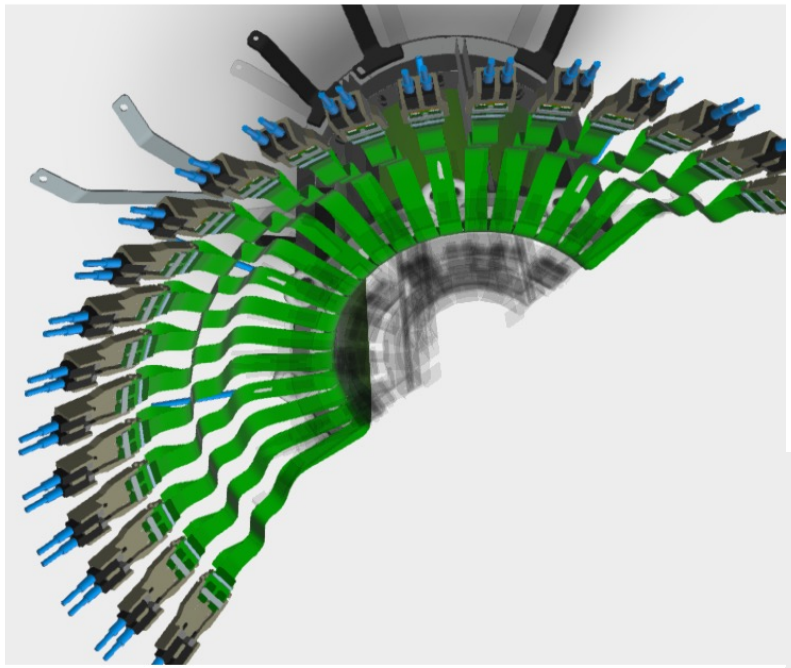


FPCs length: **299 mm**

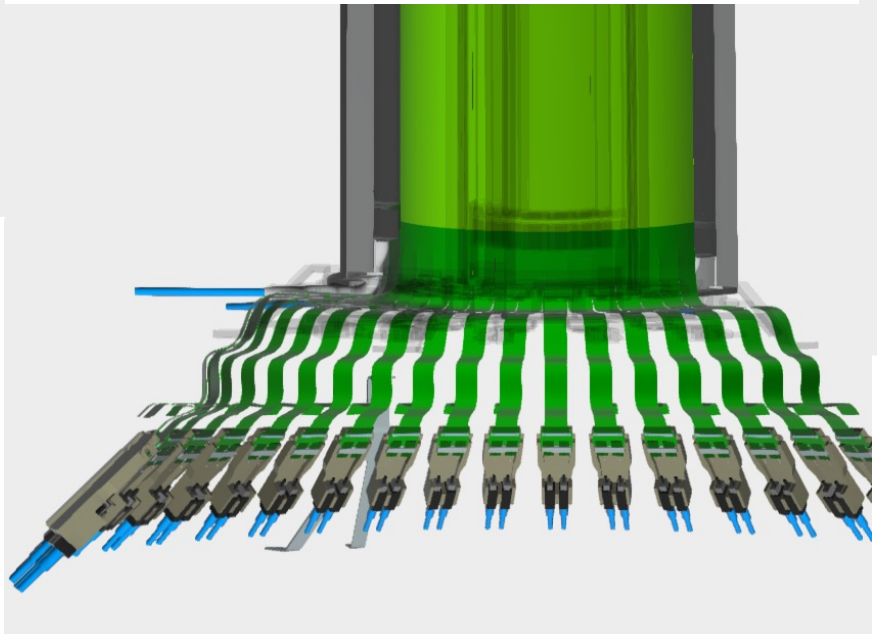




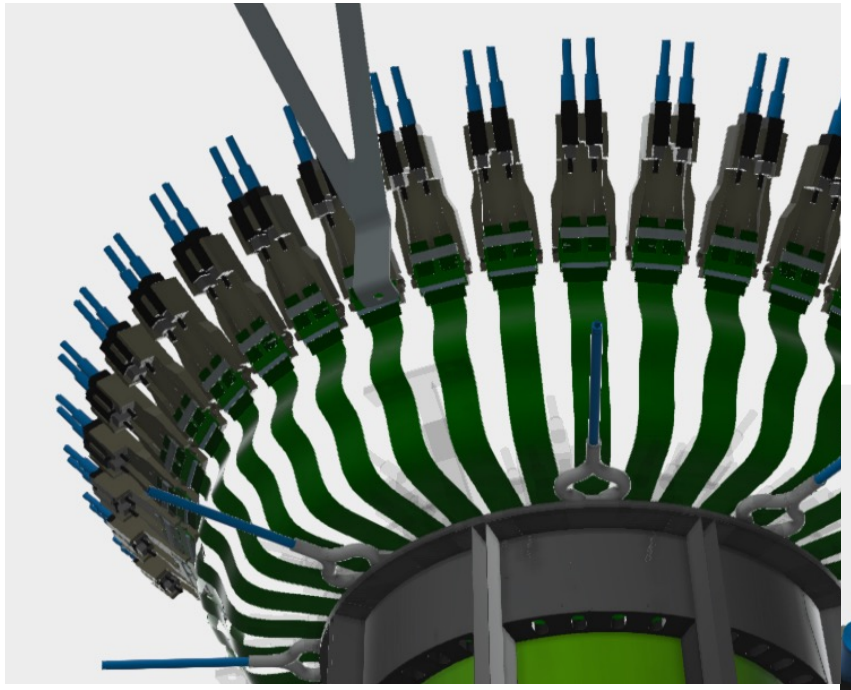
New positions for L2 SIBs – take 2



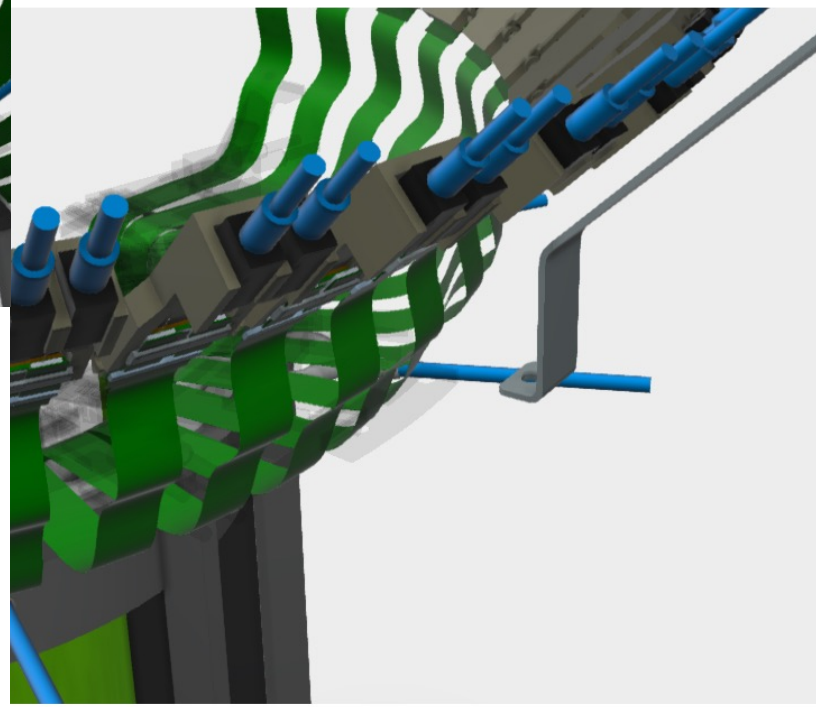
FPCs length: **289 mm**

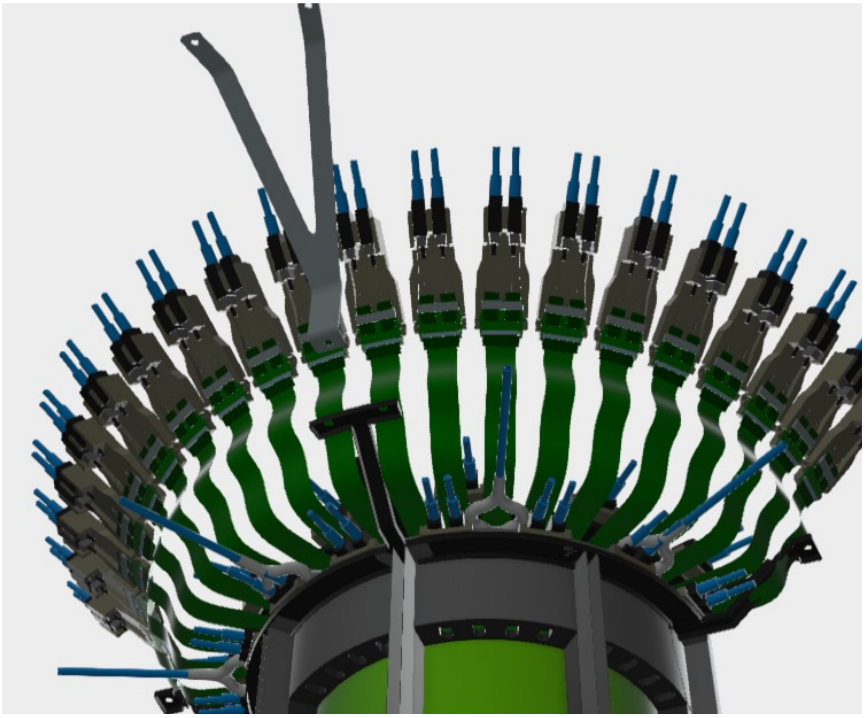


New positions for L2 SIBs – take 3

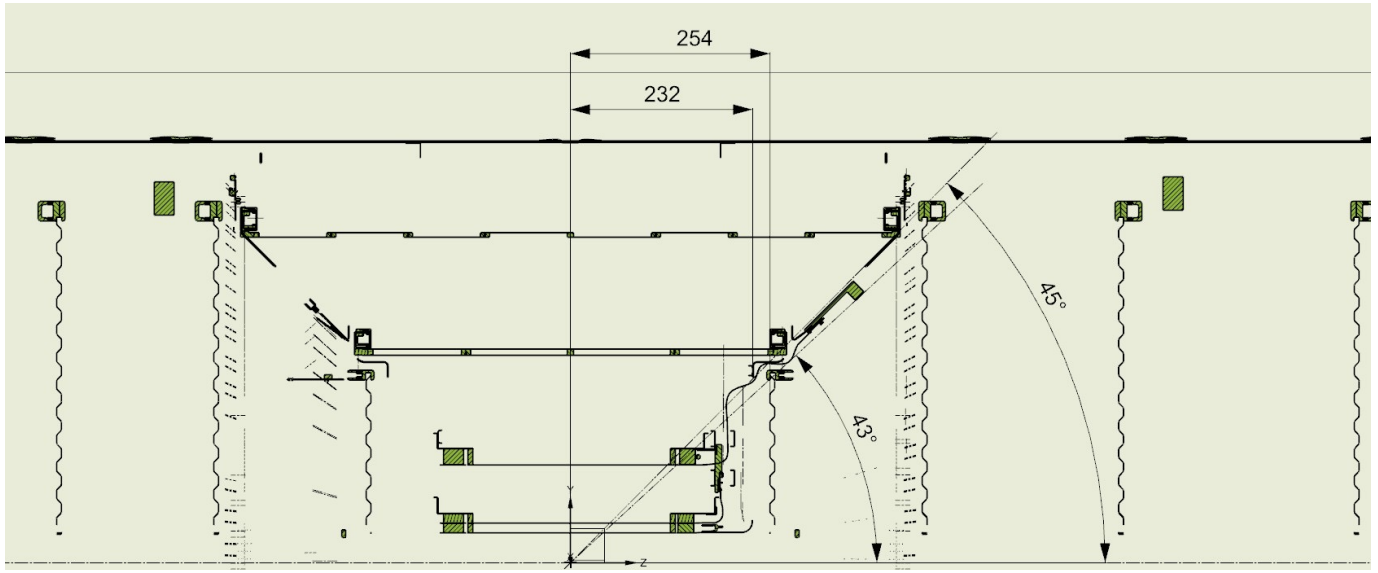


FPCs length: **249 mm**



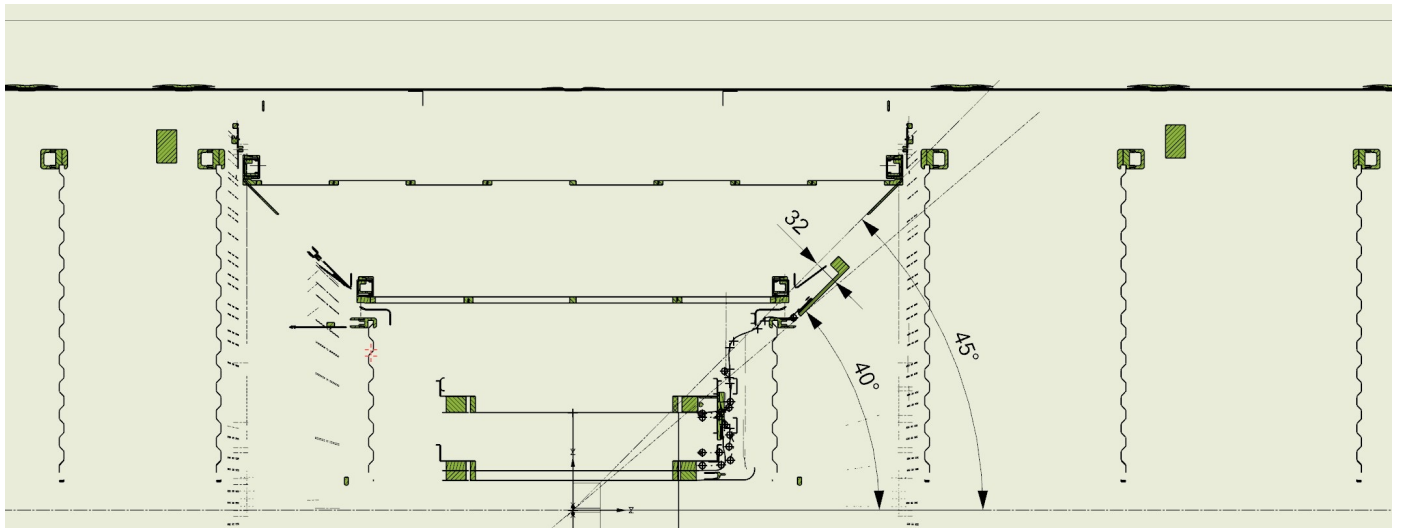


New positions for L2 SIBs – take 2-3 side by side



⟵ #2

FPC length: 289 mm

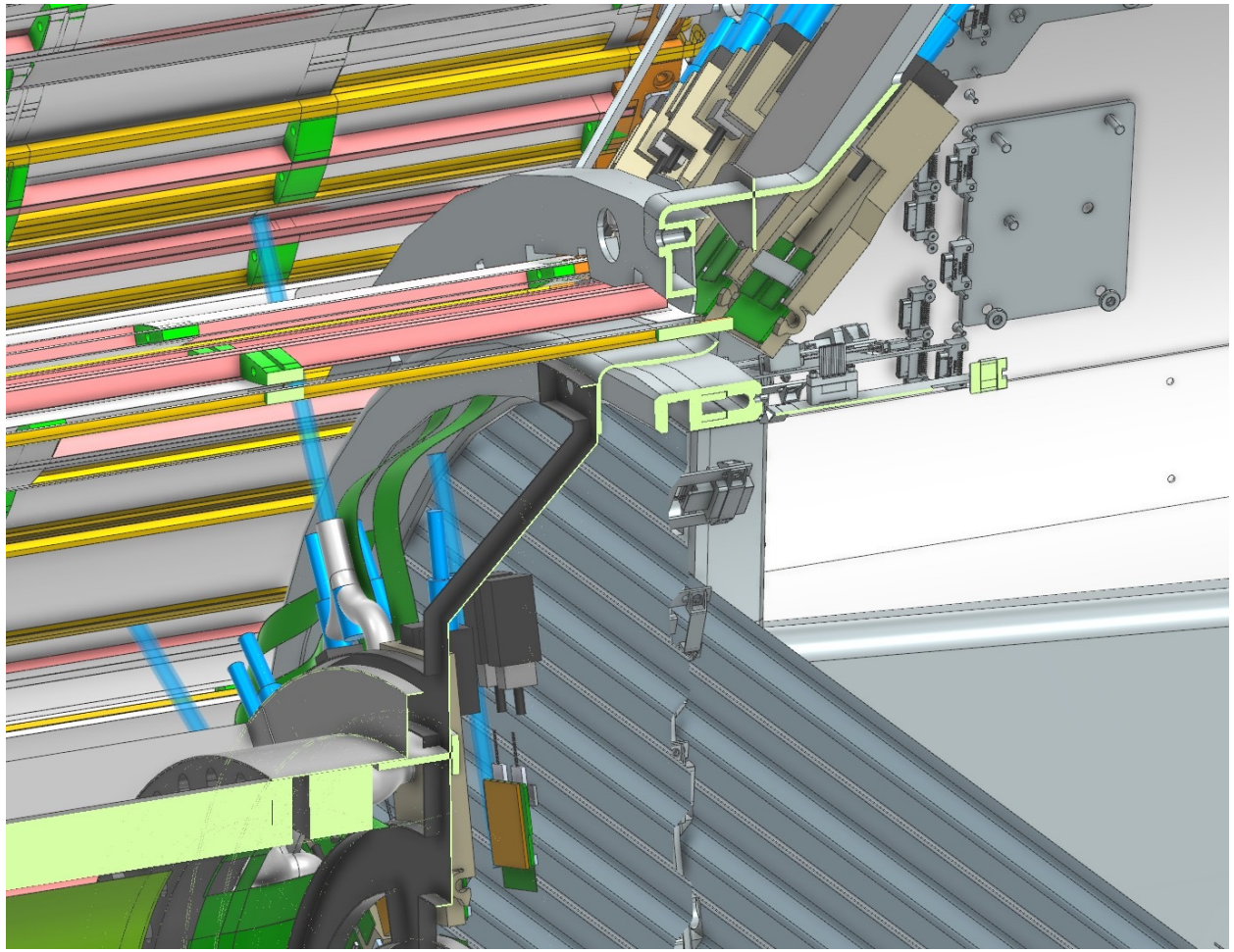


⟵ #3

FPC length: 249 mm

NB: support of SIB board to be revised in theis case

Questions about IB assembly



The hypothesis behind this design
is that IB is anchored first and the routing
of FPCs, flexes, fibers, air pipes is done before
disks and OB are put in place.
Is it ok?

Can the “support ring” be adapted to have some more clearance for FPCs, fibers, flexes?

NB → here the flexes connecting SIBs and SCBs and the optical fibers are **not** included