

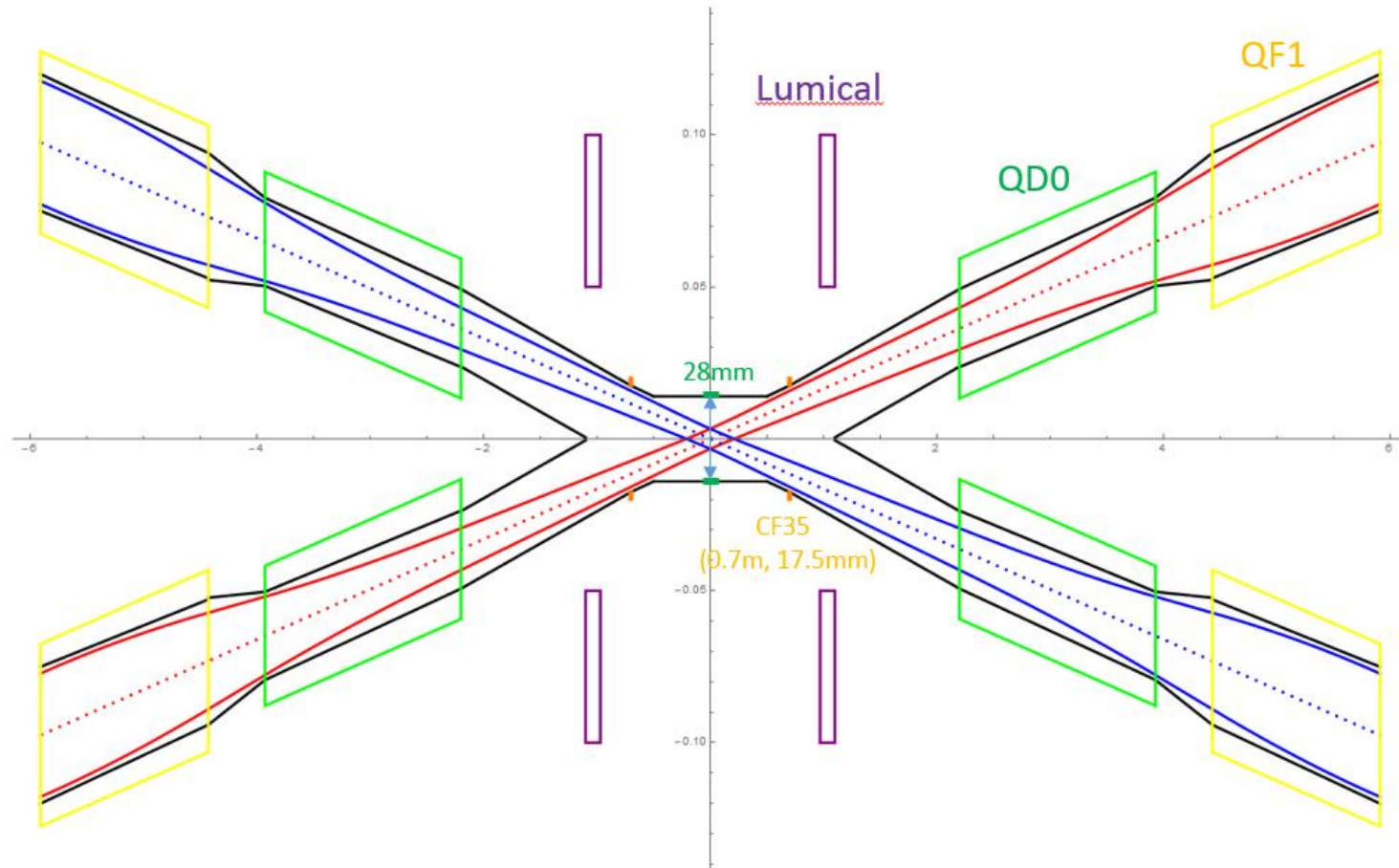
Progress of CEPC software

New MDI in Mokka

Chengdong FU

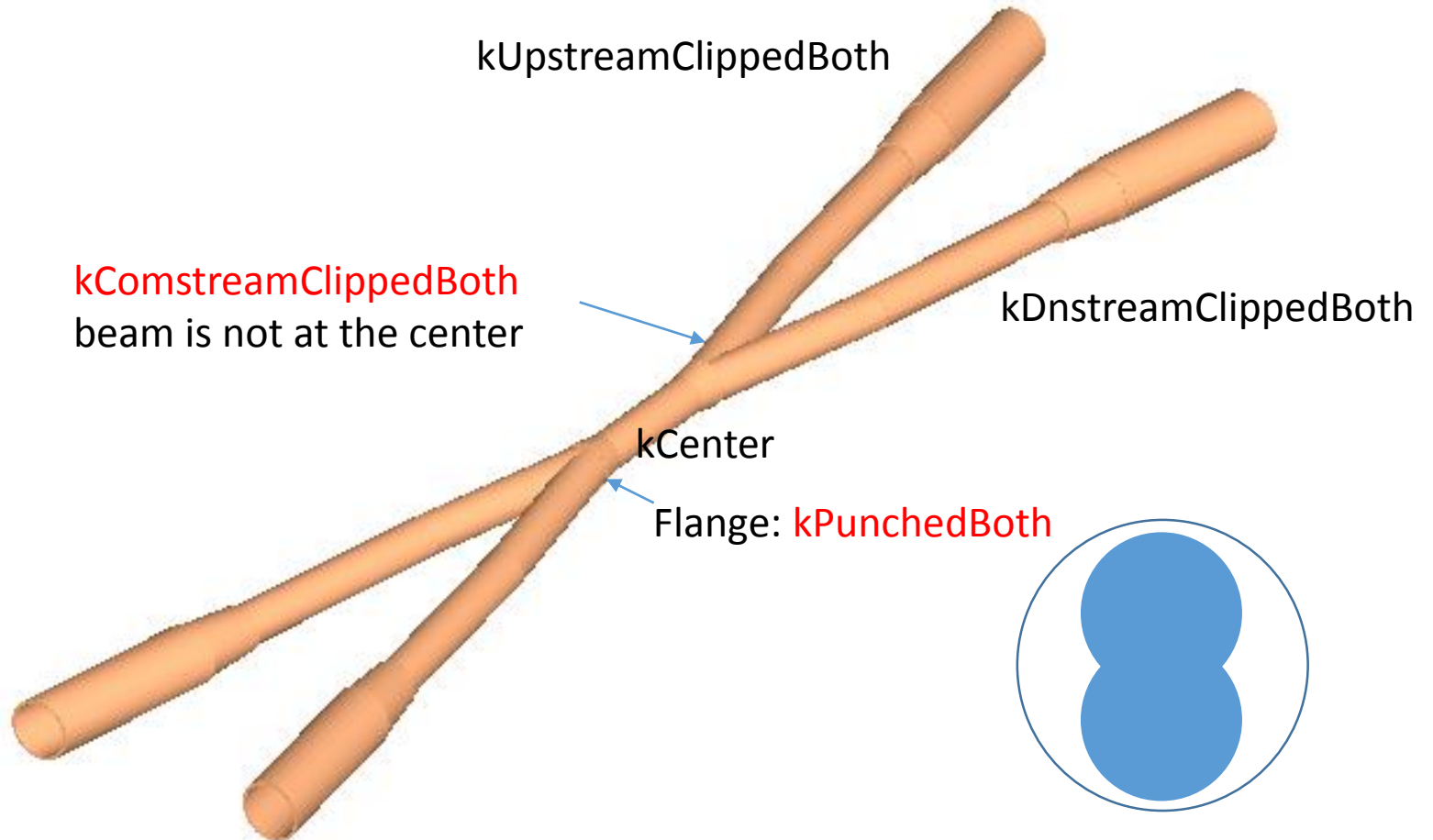
2017-05-08

Design of Beam Pipe(Sha Bai et al.)

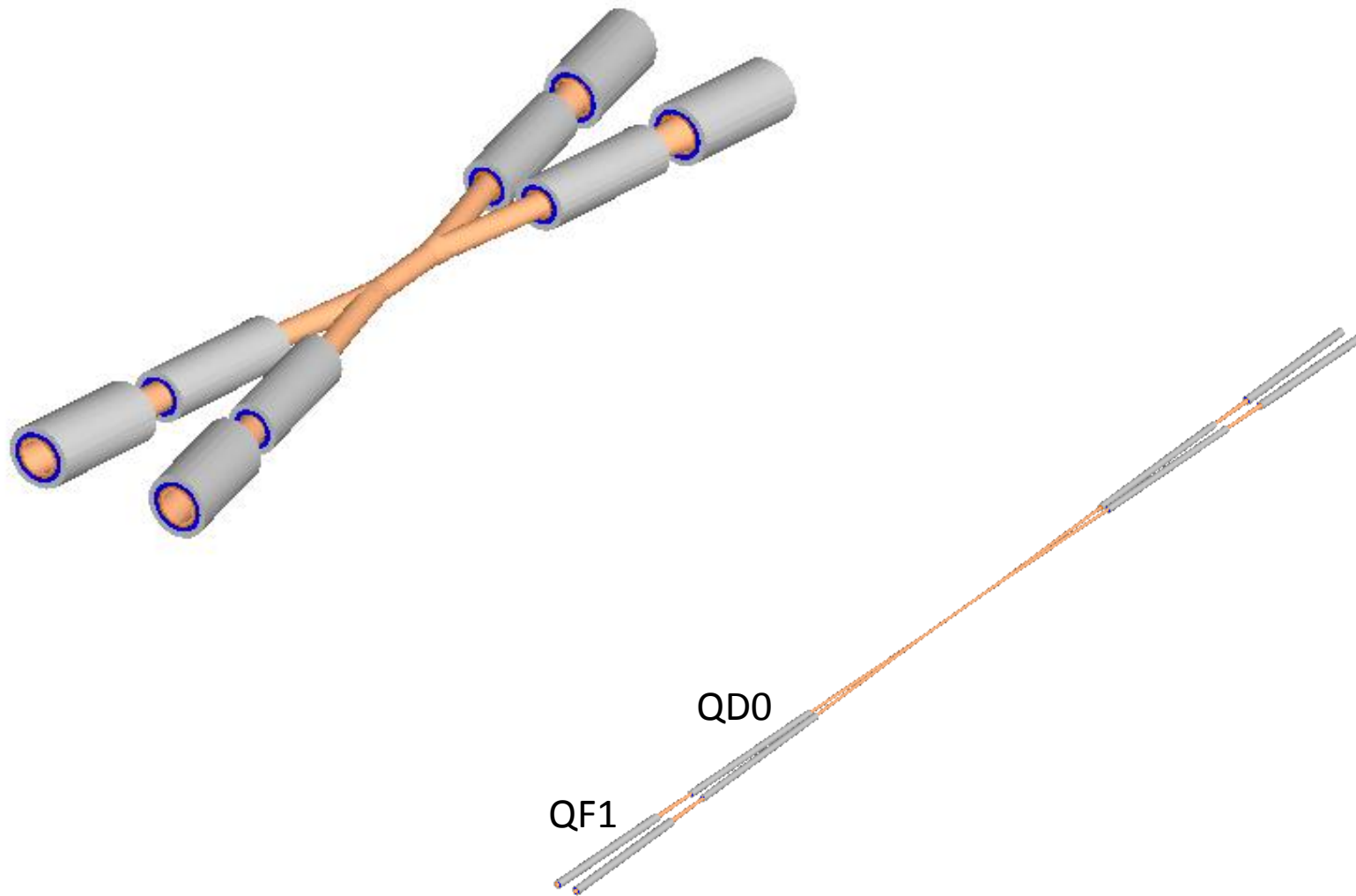


pipe

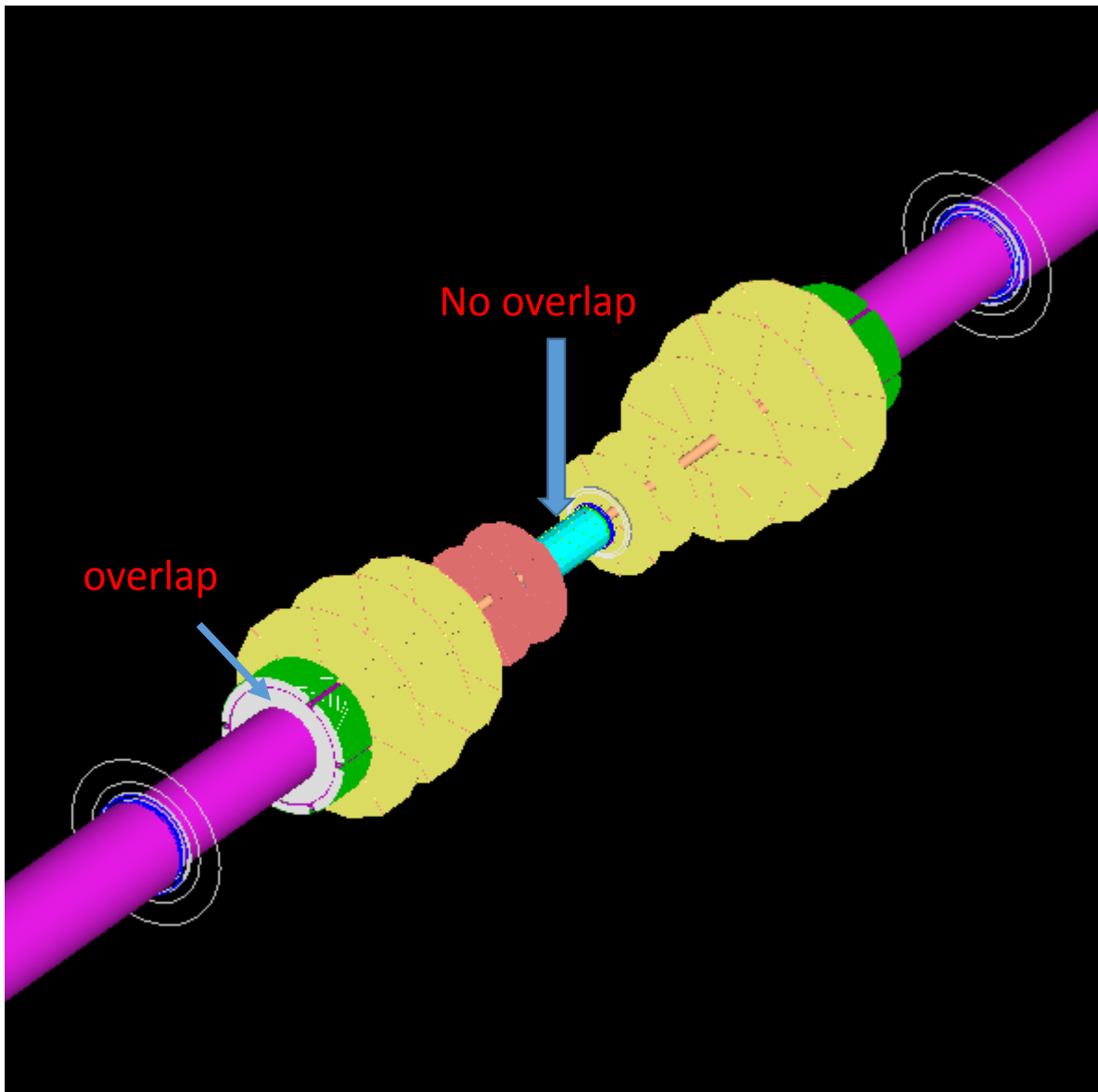
- New type: `kPunchedBoth`, `kComstreamClippedBoth`



Pipe & magnet



Overlap with LumCal of CEPC_v1

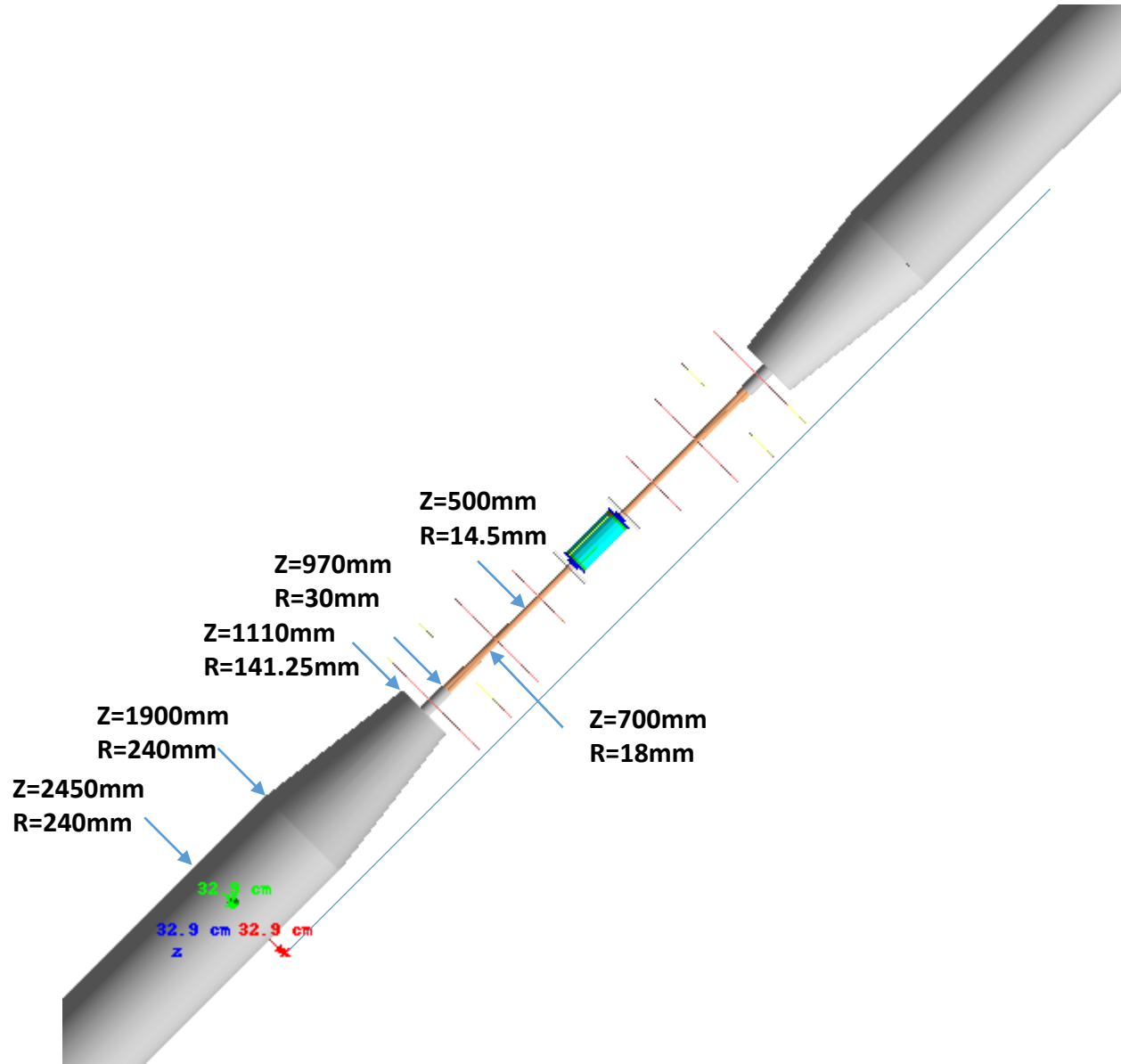


VXD #	r	z	Router pipe
1	16	62.5	14.5
3	37	125	14.5
5	58	125	14.5

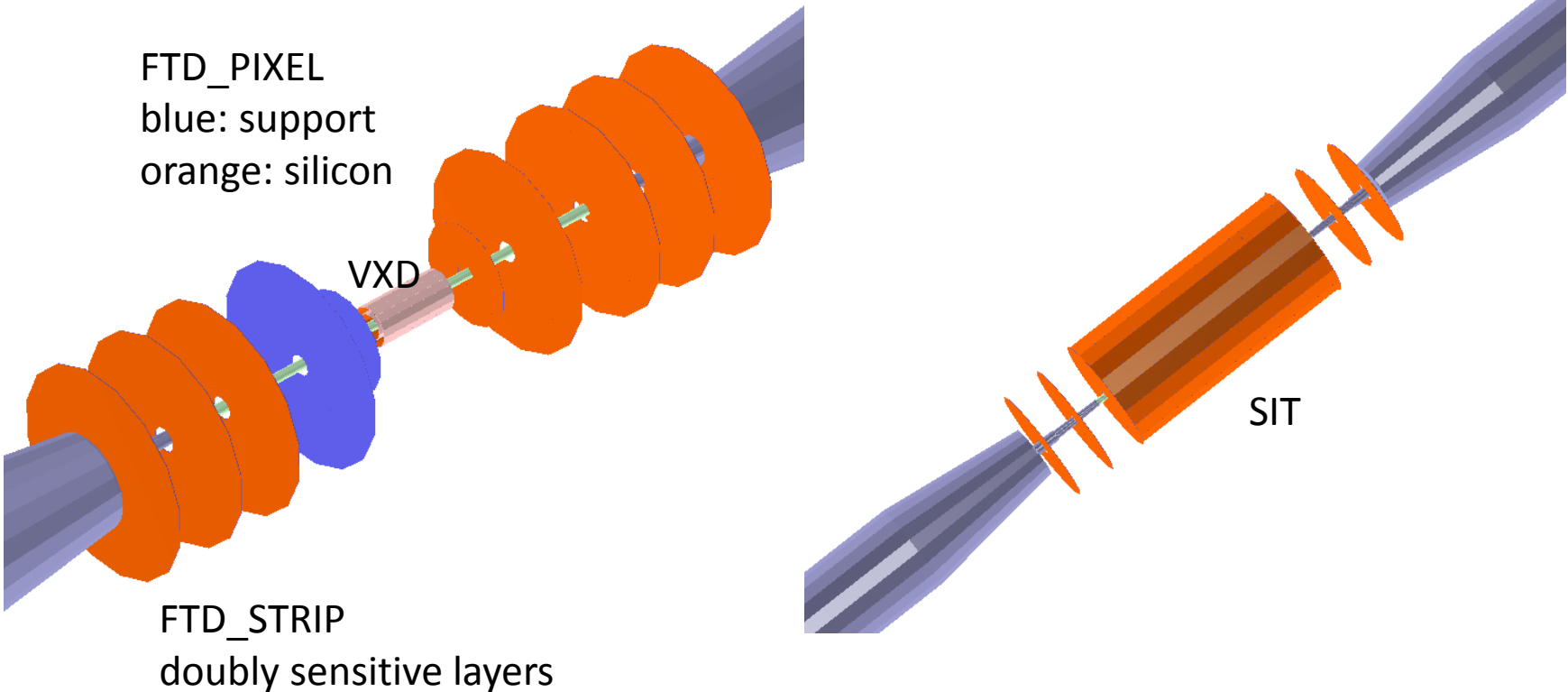
FTD #	z	Rinner	Router pipe&mask
1	220	39	14.5
2	371.309	49.74	14.5
3	644.906	70.30	17.04
4	846	85.37	19.78
5	1057.5	101.23	30
6	1848.54	160.52	234
7	2250	190.62	240

layer 6,7 are not used in CEPC_v1

New MDI with old VXD and FTD



Example of New VXD and FTD using SiTracker01



Next step

- Use supper driver to build TMP database table → create table in official database
- Design from detector experts
- More detail
 - TbTi → TbTi-Cu
 - Cabble
 - SiTracker: parameters from steering file → xml, database