

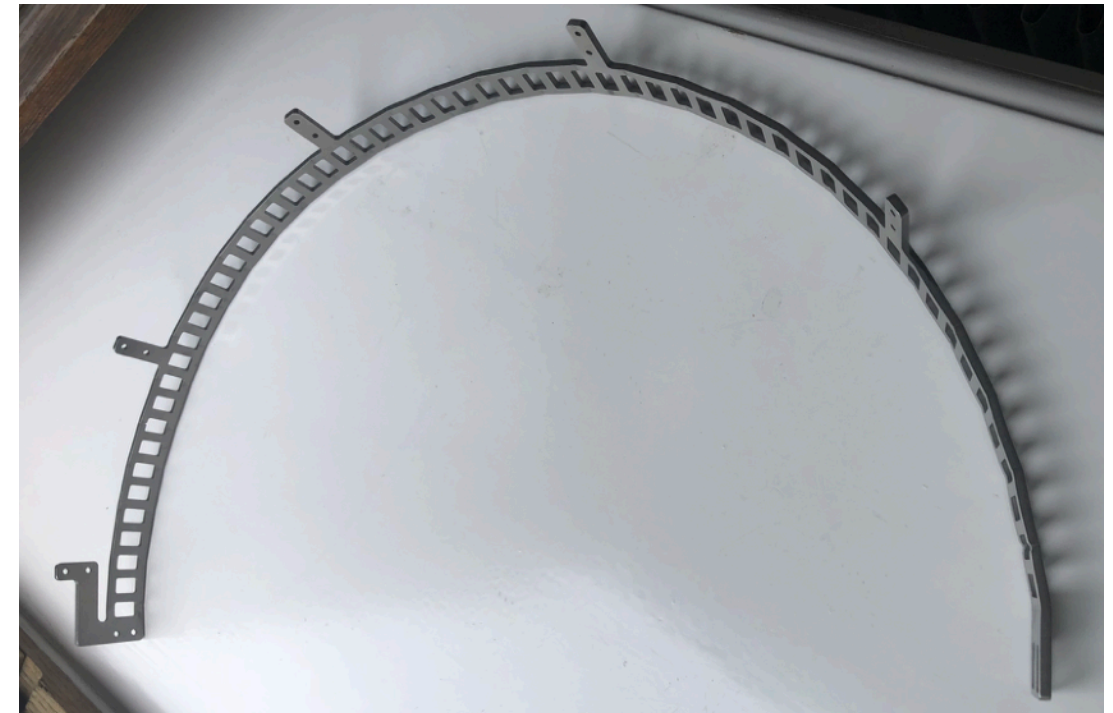
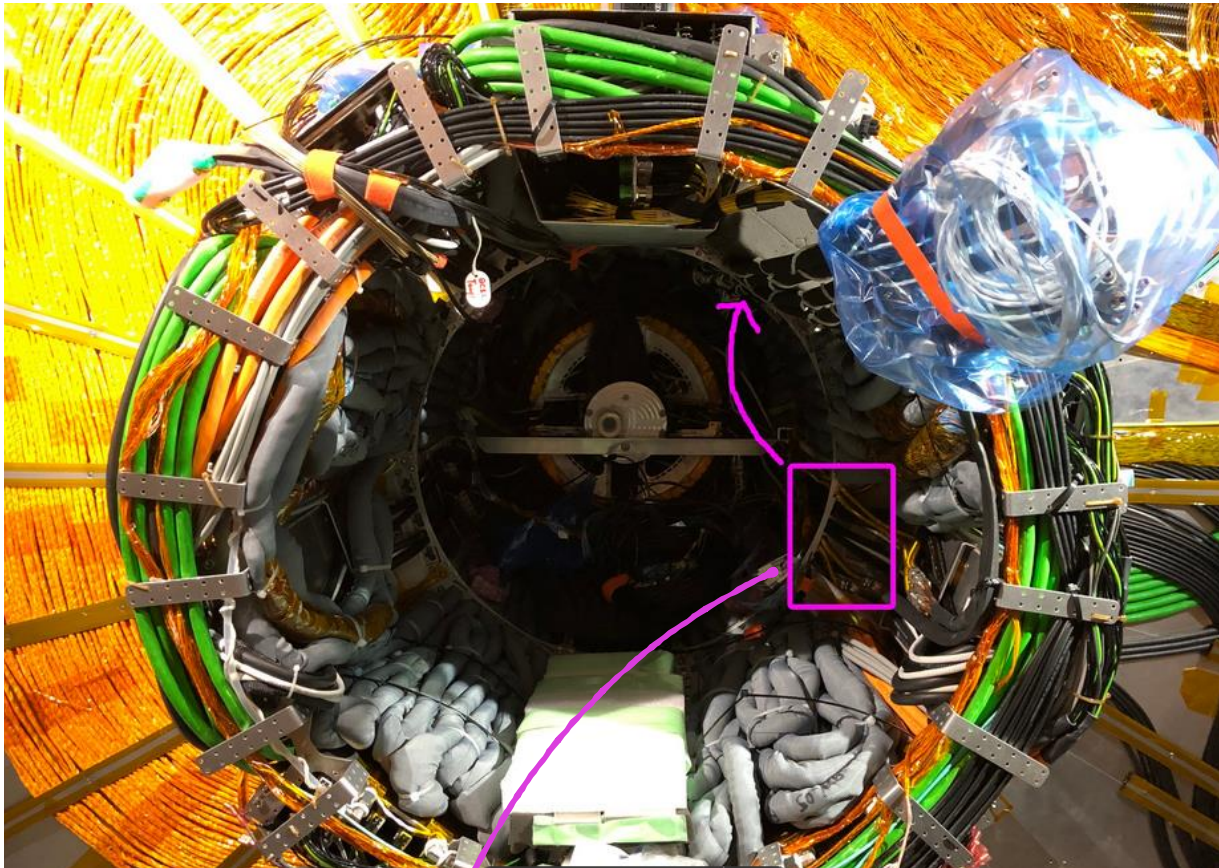
PXD2020: Preparations for Installation

- It is still a bit too early to make very concrete plans for the VXD de- and re-installation work, but it is obvious that it will represent a major challenge
- Possible scenarios
 - L2 and L1 ladders are ready in time => assemble and test half shells before the current detector has been extracted
 - ▶ for tests need CO₂ system in clean room (MARCO or commercial MPI system?)
 - only L2 ladders available => have to wait until current VXD is in clean room and SVD half shells are dismounted (possible delay due to activation)
 - ▶ dismount half shells and replace bad L1 ladder(s)
 - mount L2 ladders on half shells before installing them on beam pipe (CFK pipes)
 - first mount L1 half shells, then mount L2 ladders on beam pipe (need rotating stage)
 - ▶ this will require presence of experts and tooling at KEK for extended period in time
 - ▶ in this case could use transfer line to IBBelle
- Other constraints
 - Kohriki-san and Tscharlle will not be available any more ...

Improved CDCcc-fwd Ring

Service space conflicts for 2020 w/ full PXD

Tscharlie



Conical shape => gain space in radial direction

