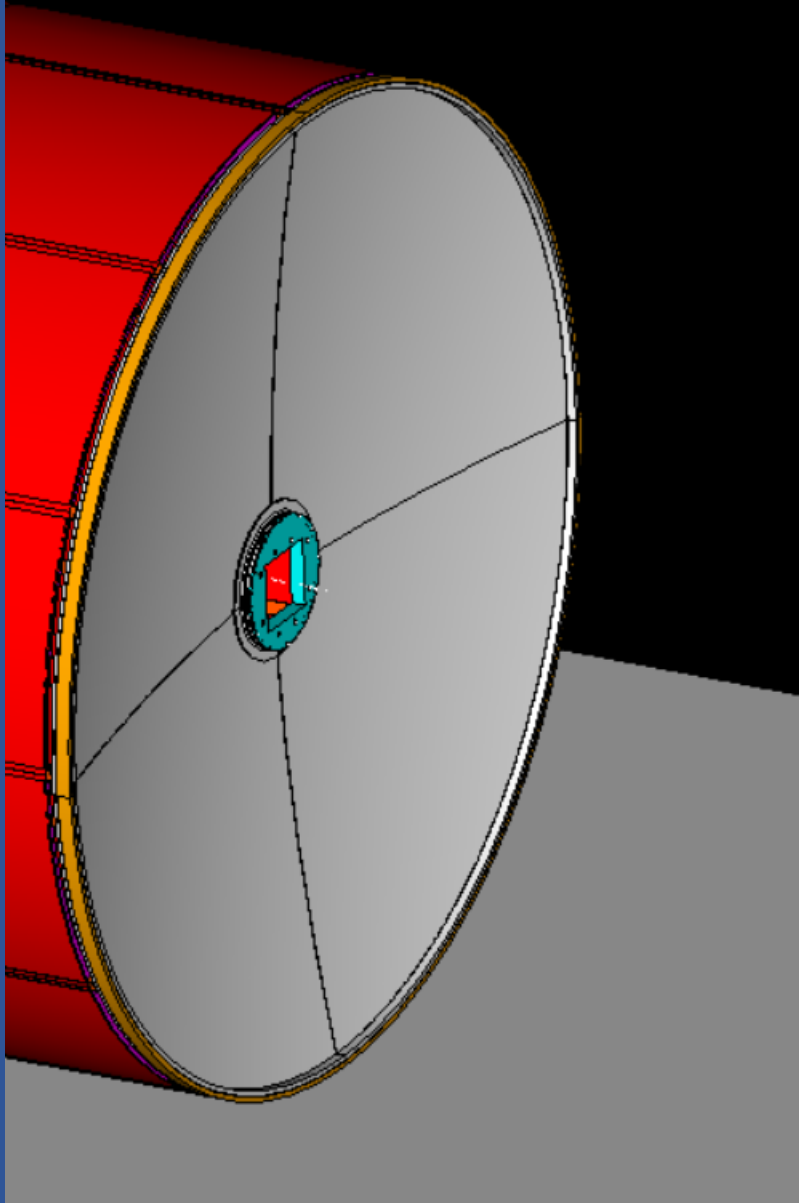
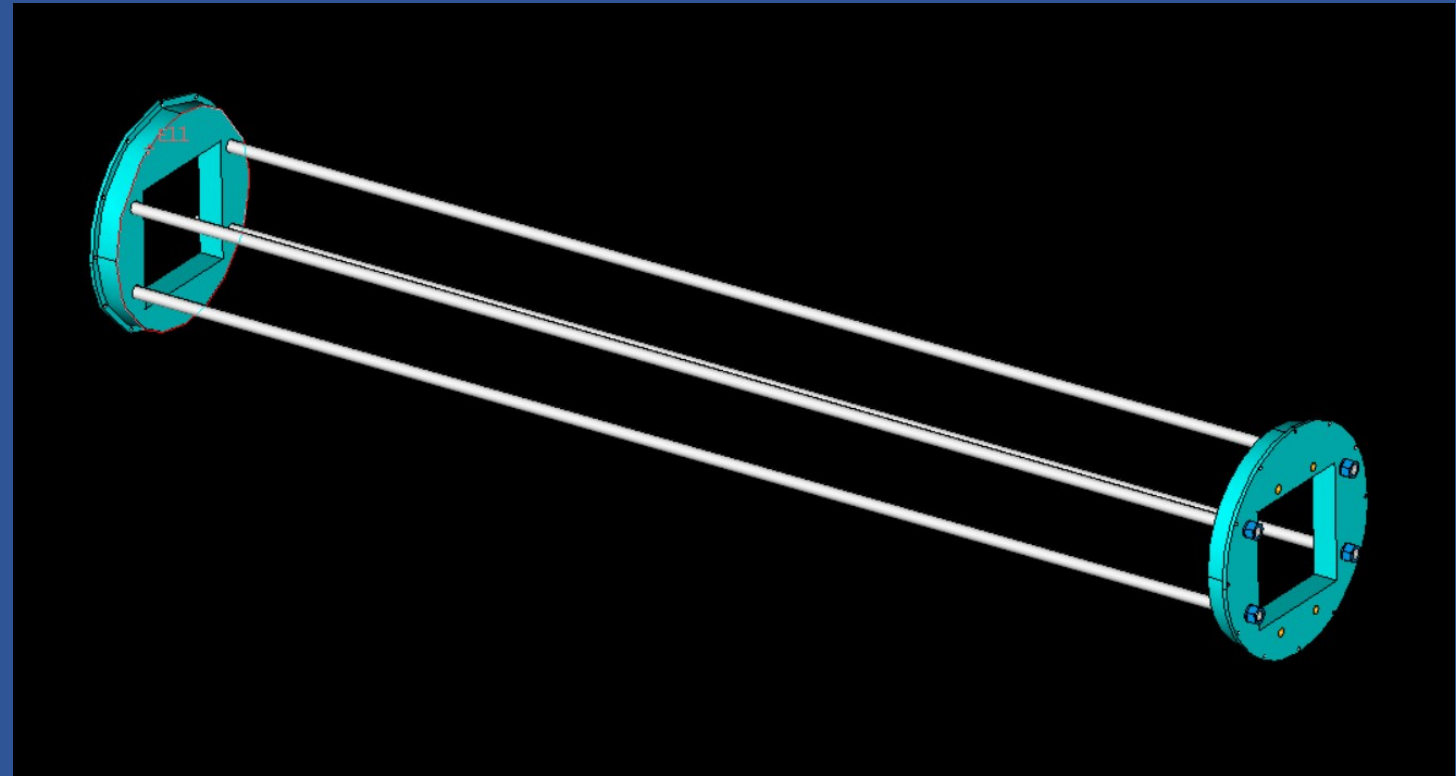


KLOE to SAND project: Drift Chamber extraction plan

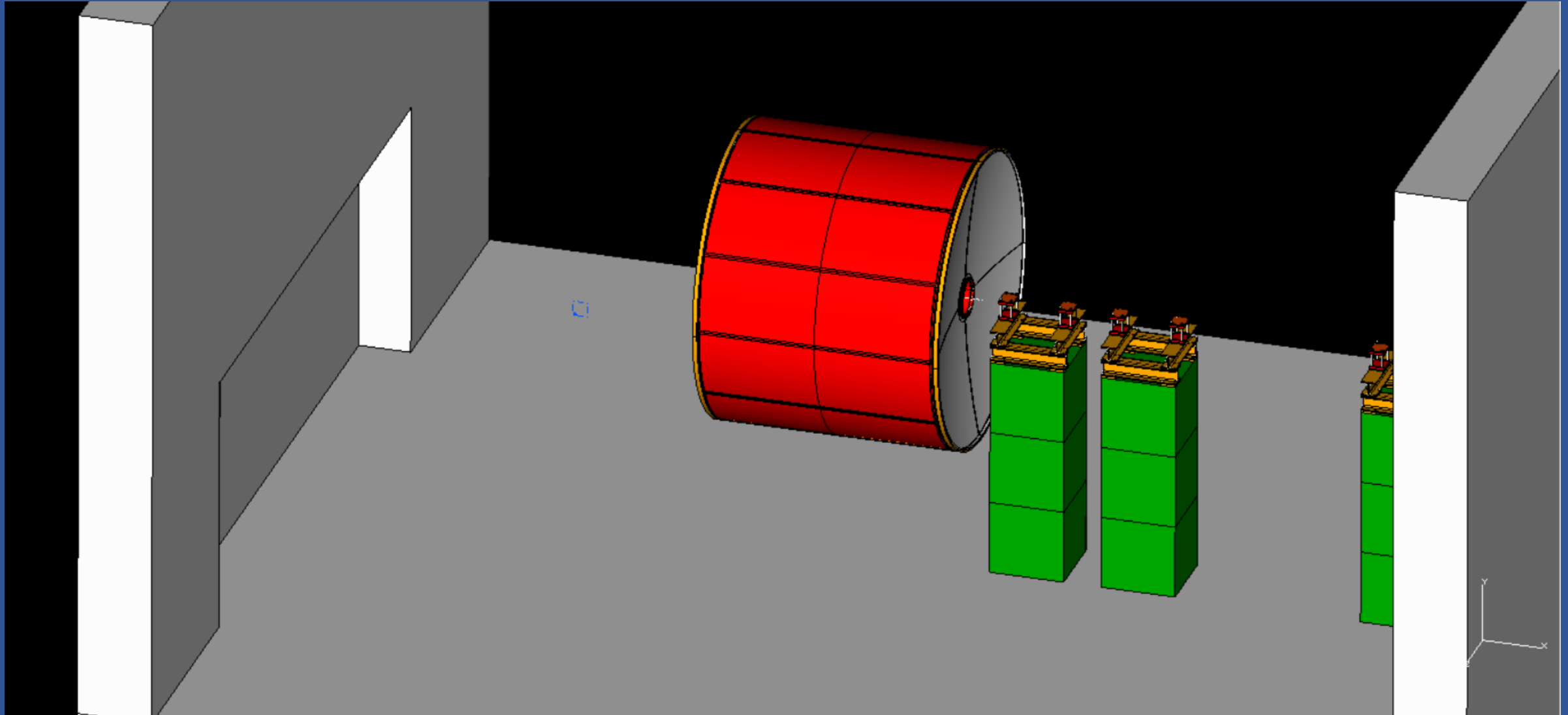
Alessandro Miccoli
INFN – Lecce
November 7th,
2022

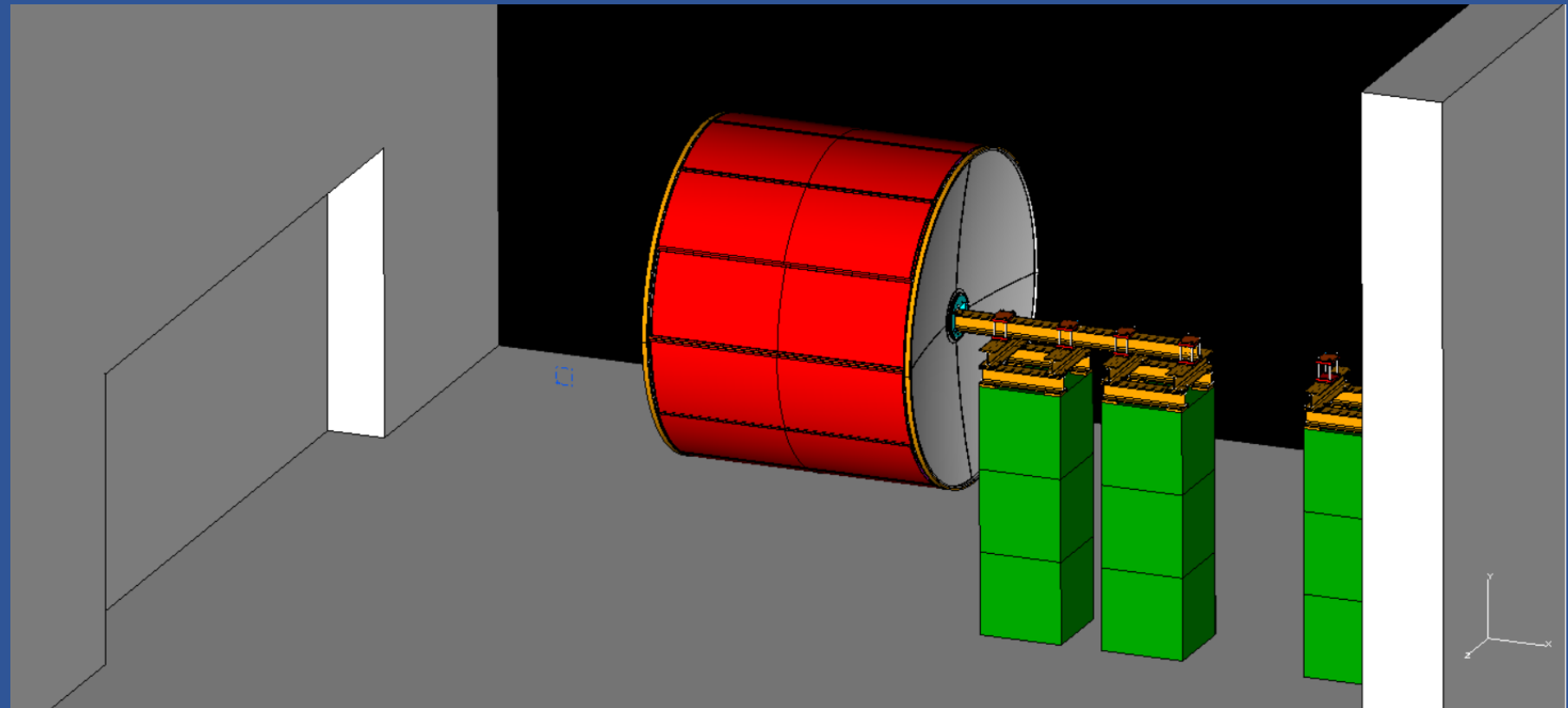
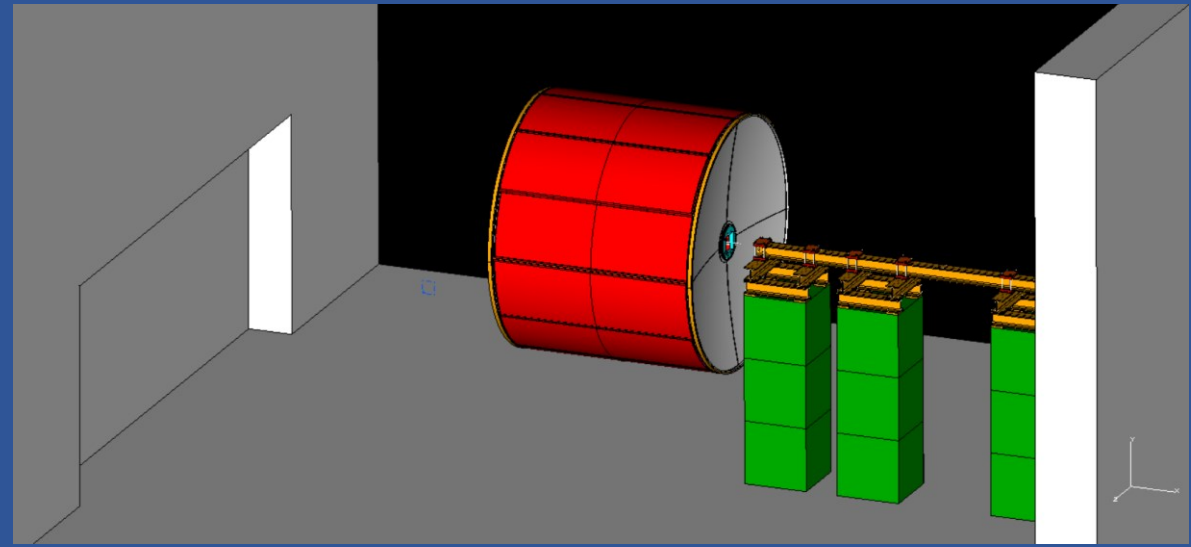
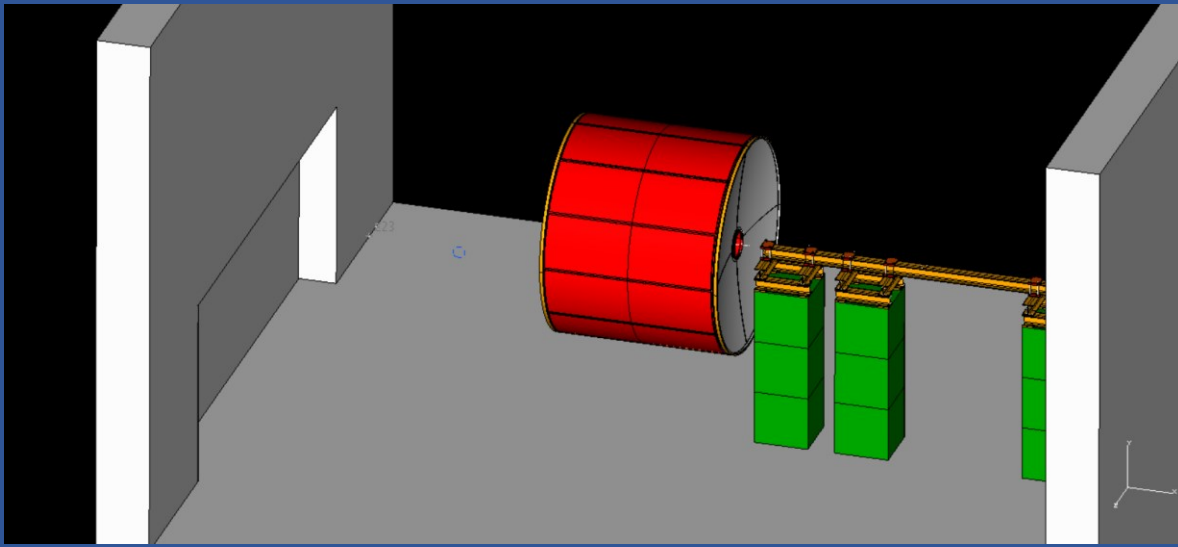


Step 0: Positioning the flanges on the endplates. The flanges are held together with four steel spacers;



Step 1: Positioning of the concrete columns on side A of the Kloe Hall and mounting, on the upper face, the relative plates to accommodate the supporting structures for the beam;

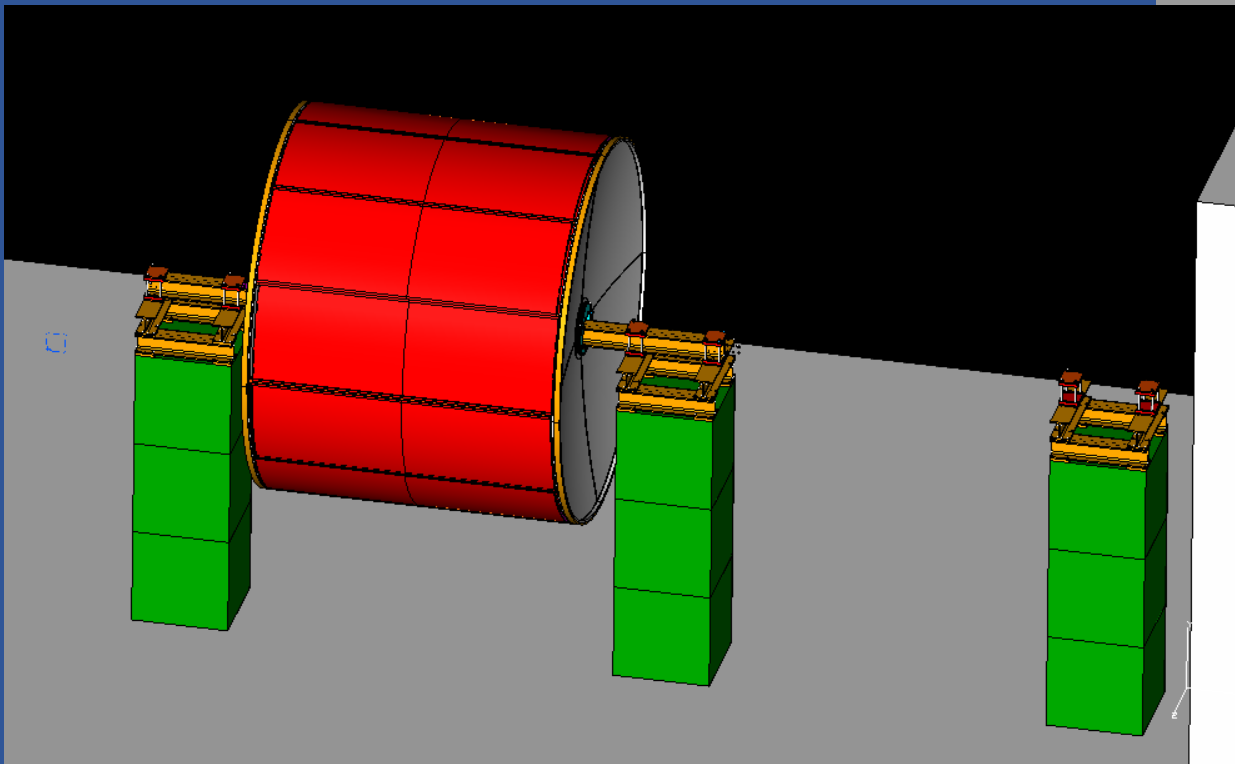
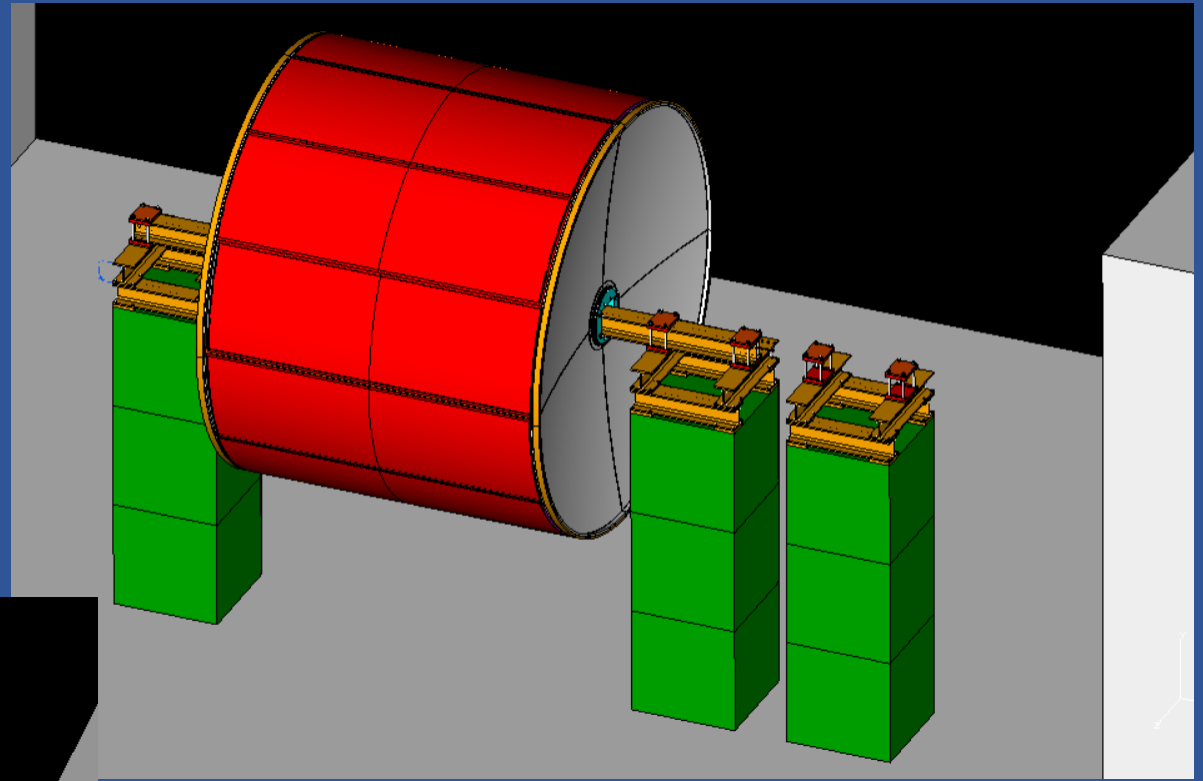
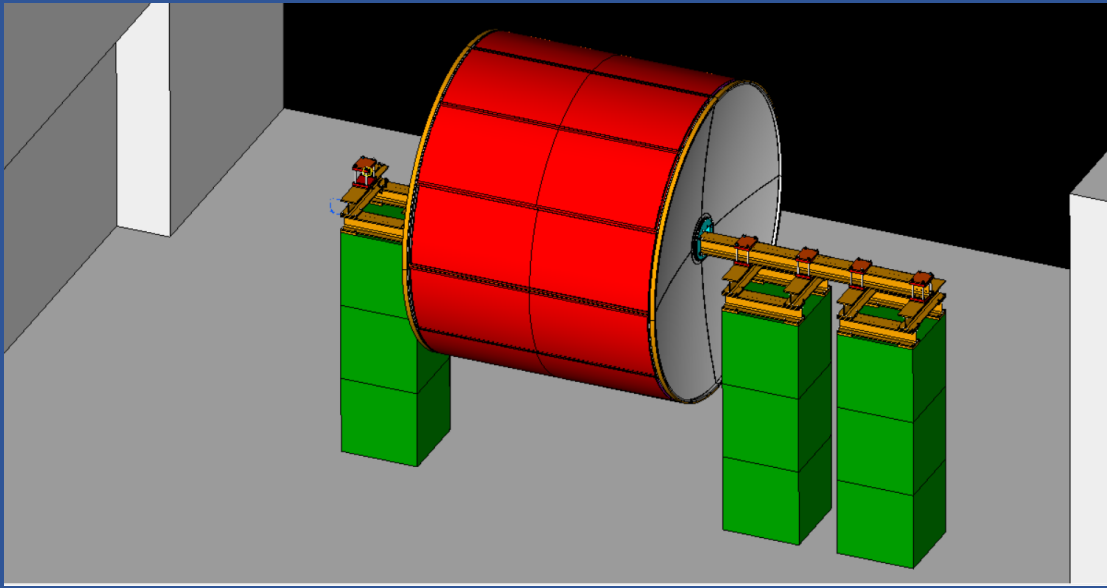




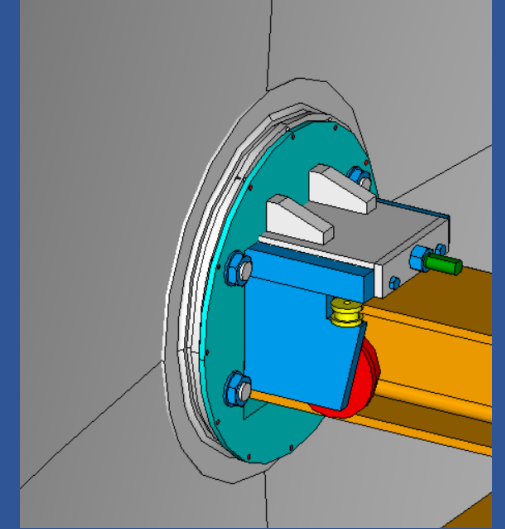
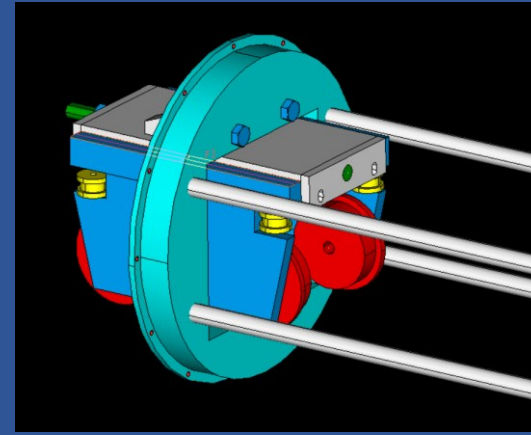
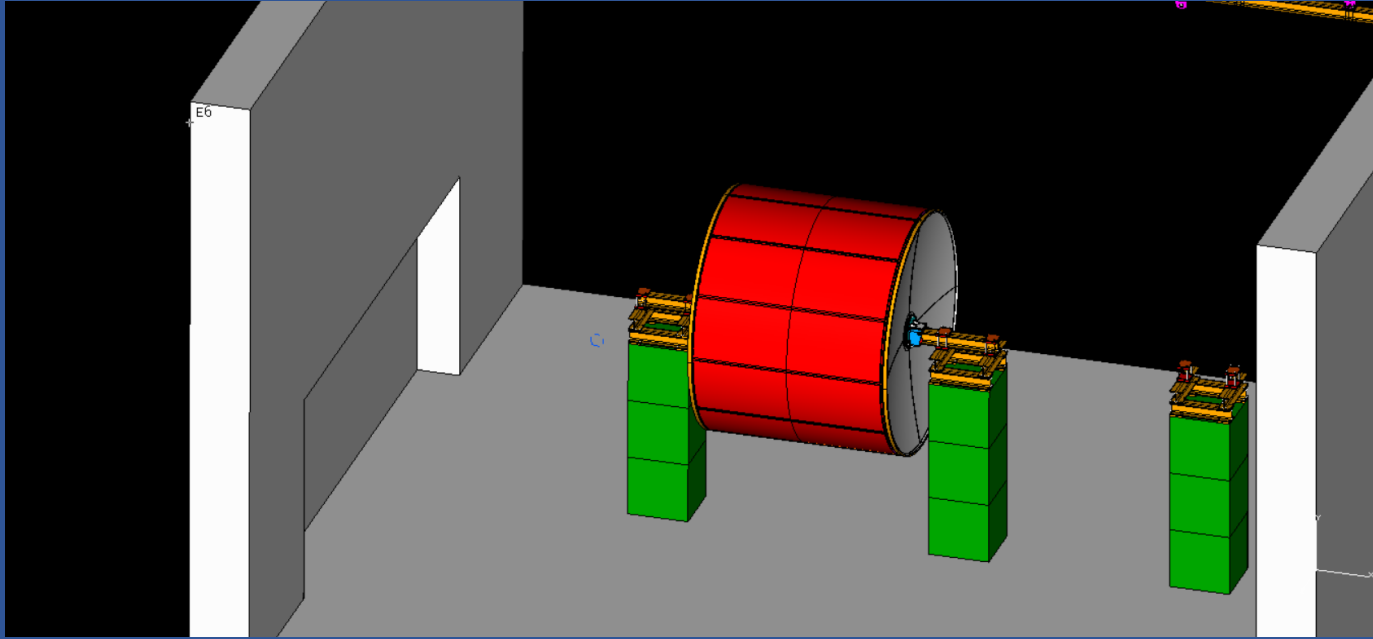
Step2: positioning of the 6m beam;

Step2: insertion the right flange on the beam;

Step3: moving the 6m beam inside the DC;

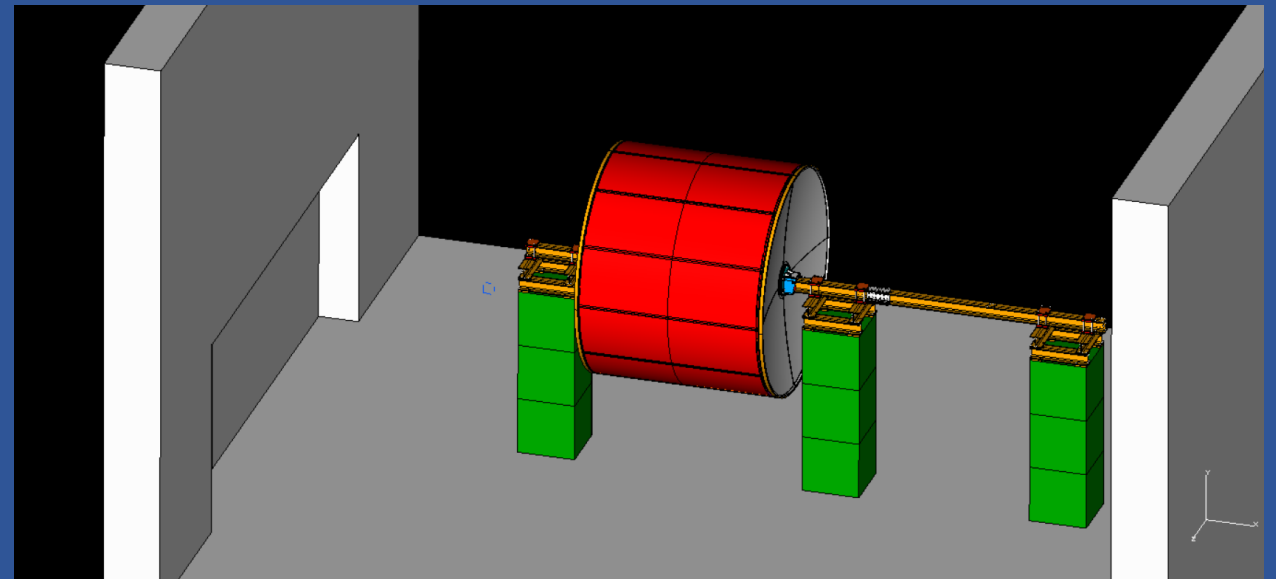


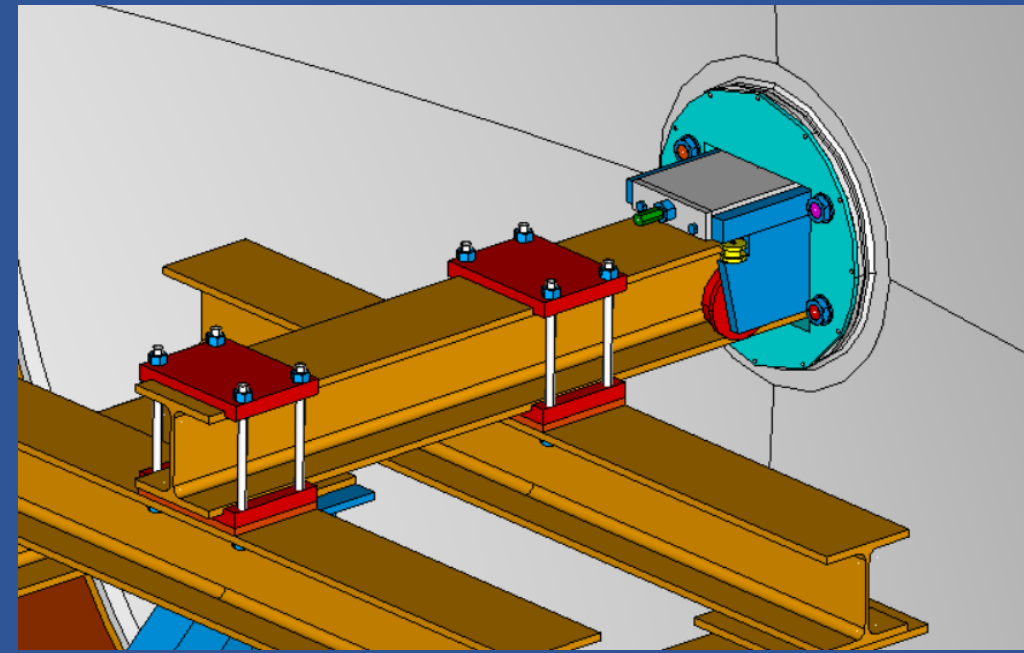
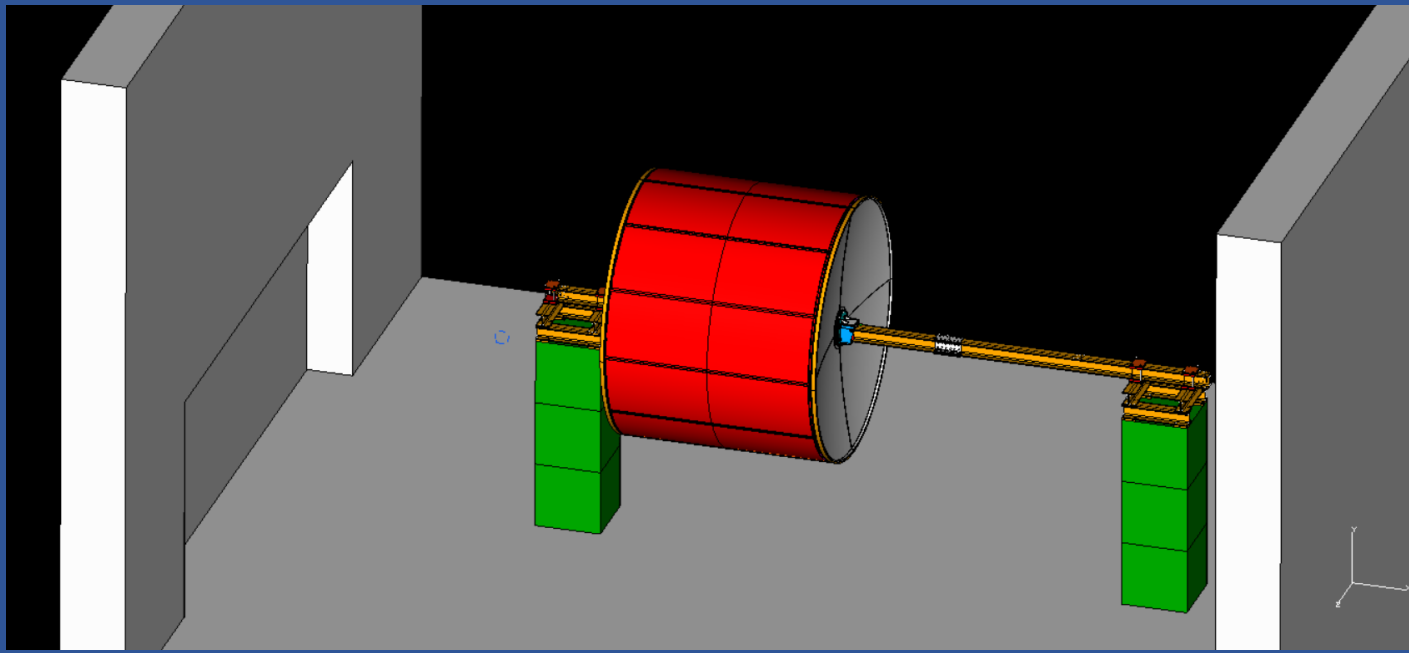
Step3: positioning of the concrete column on the B side, fixing the left flange with relative spacers and locking the beam on the structures;



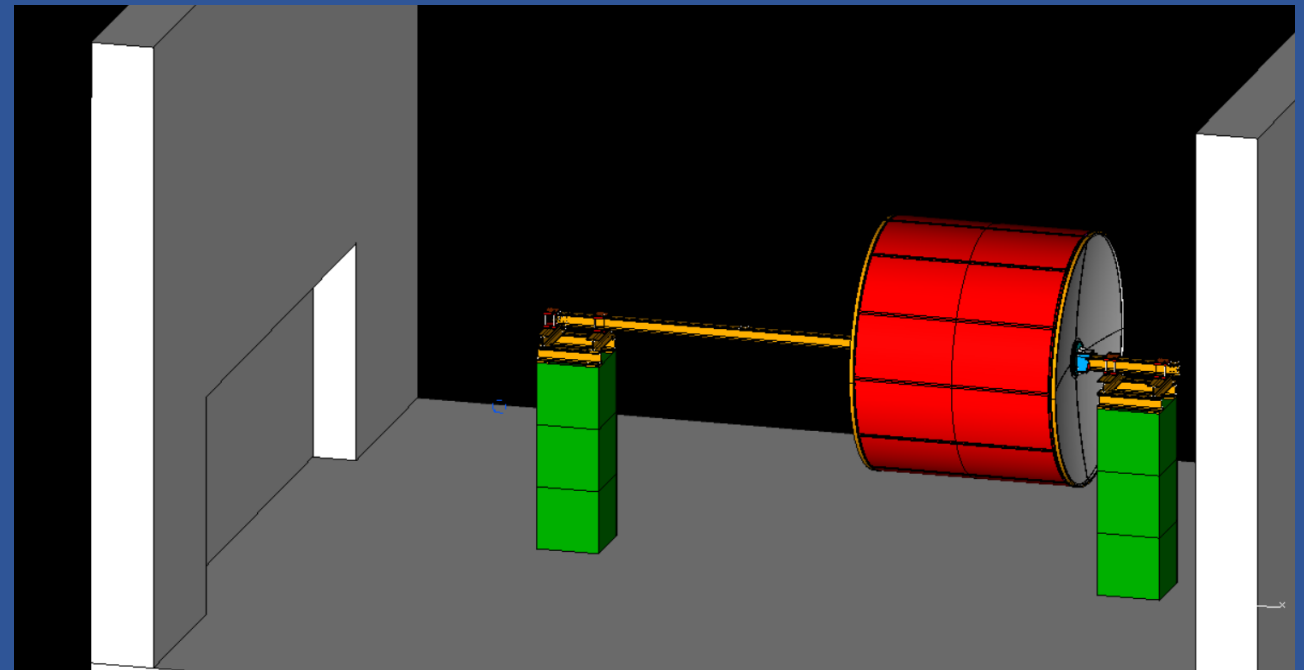
Step4: positioning of the second beam, the 5m one, and connection between the two.

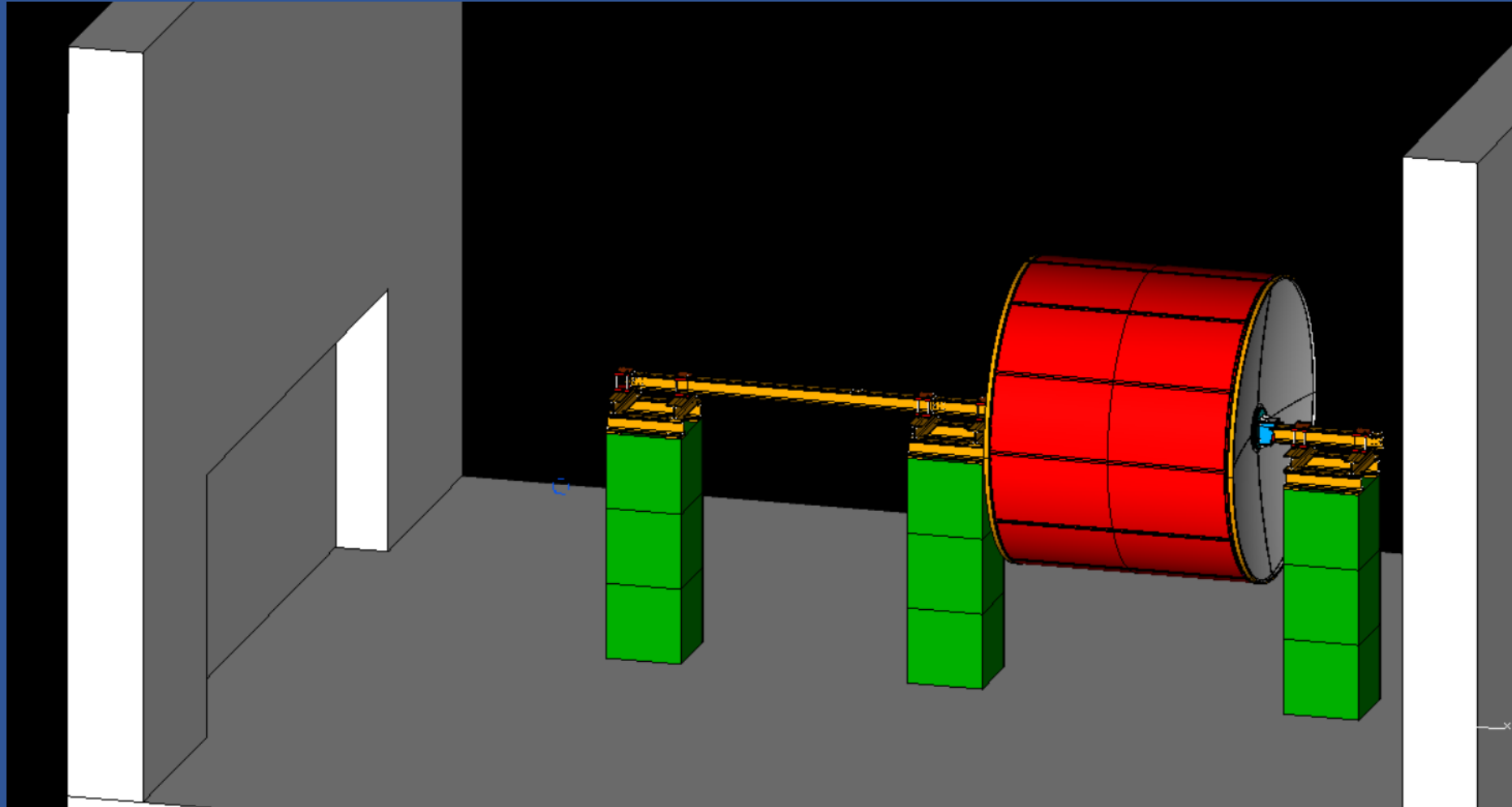
Step5: mounting of the trolley systems on the flanges;



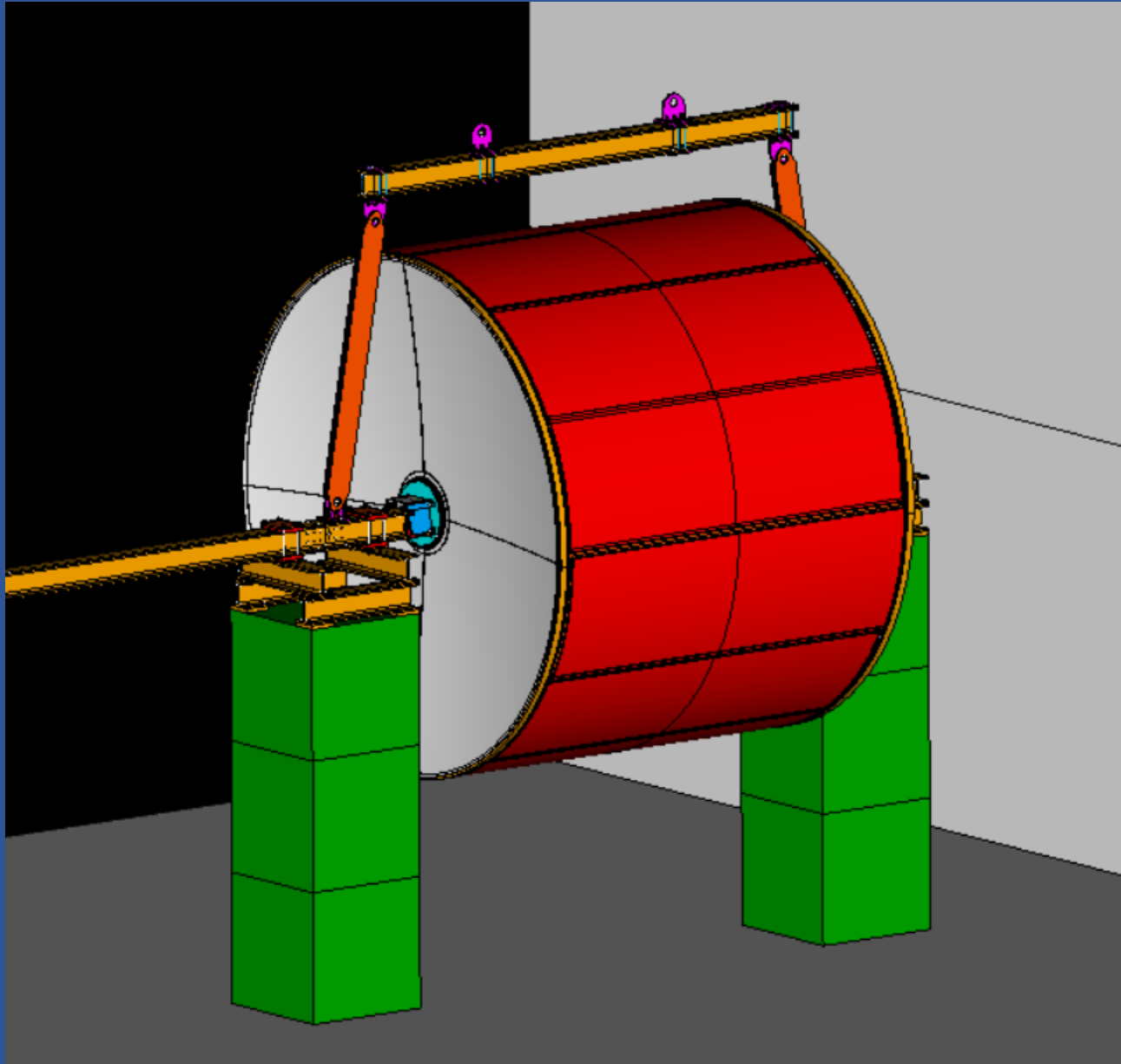


Step6: lifting of the DC, thanks to eccentric system, and movement of the DC on A side. The movement of the DC will be done with a shooting system with a hoist, placed on the hall wall;





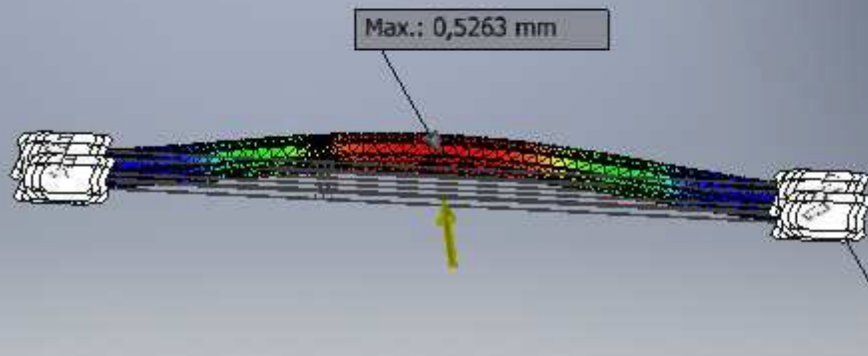
Step7: repositioning of the central column.
In this positioning the DC is ready to lift and moving inside the kloe hall.



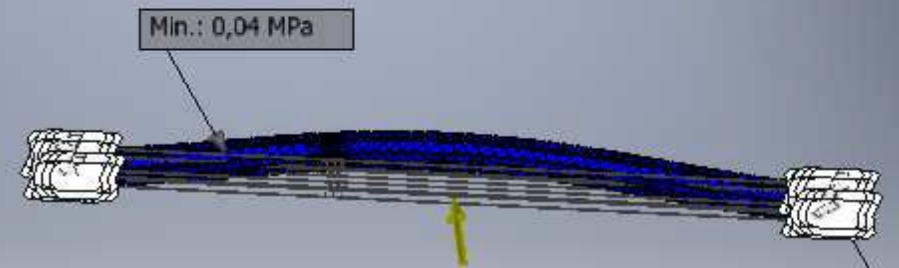
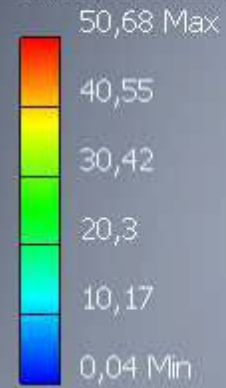
Step8: Harness of the DC and final lifting;

FEM Simulation of the 6 meters beam;

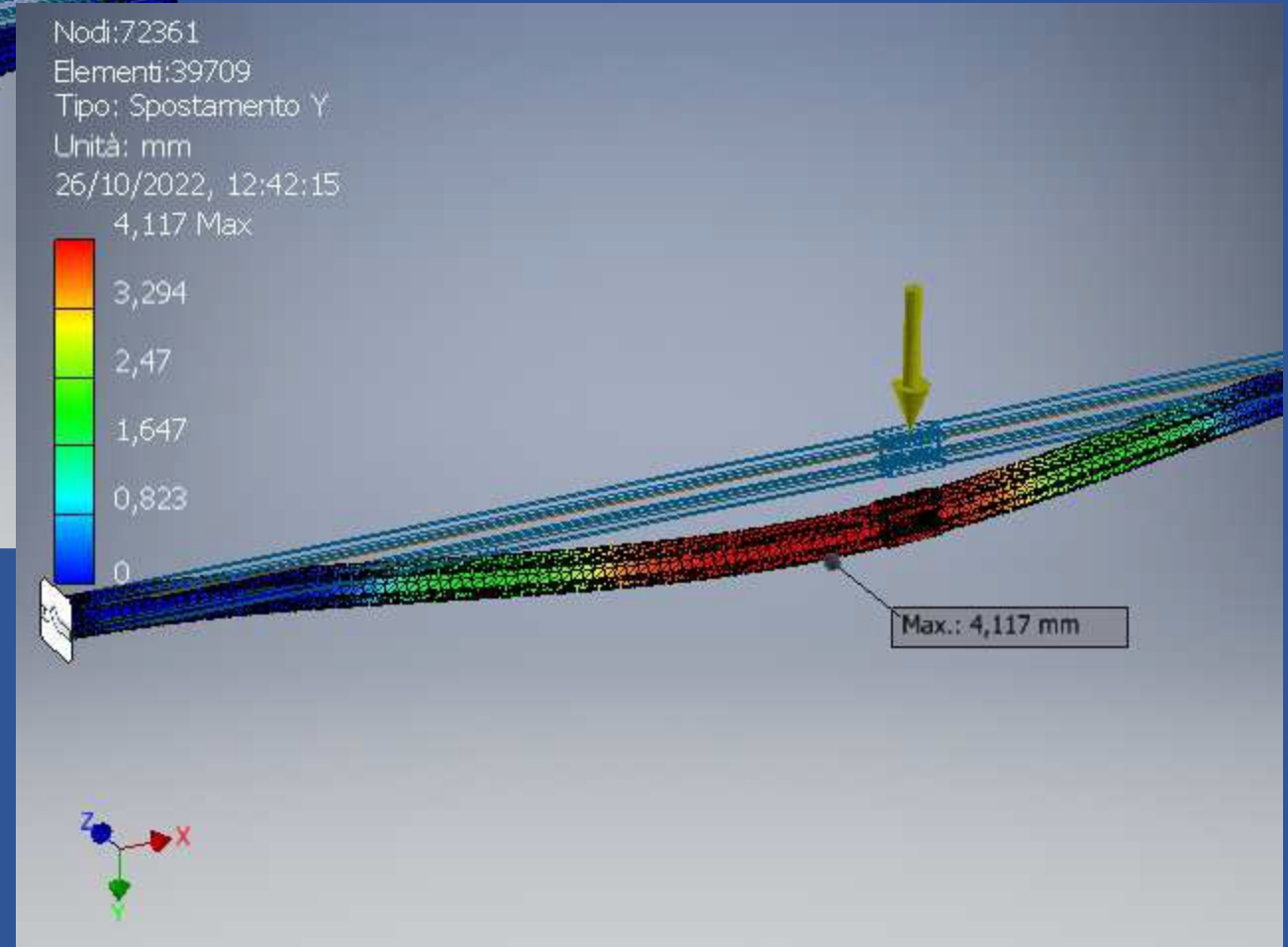
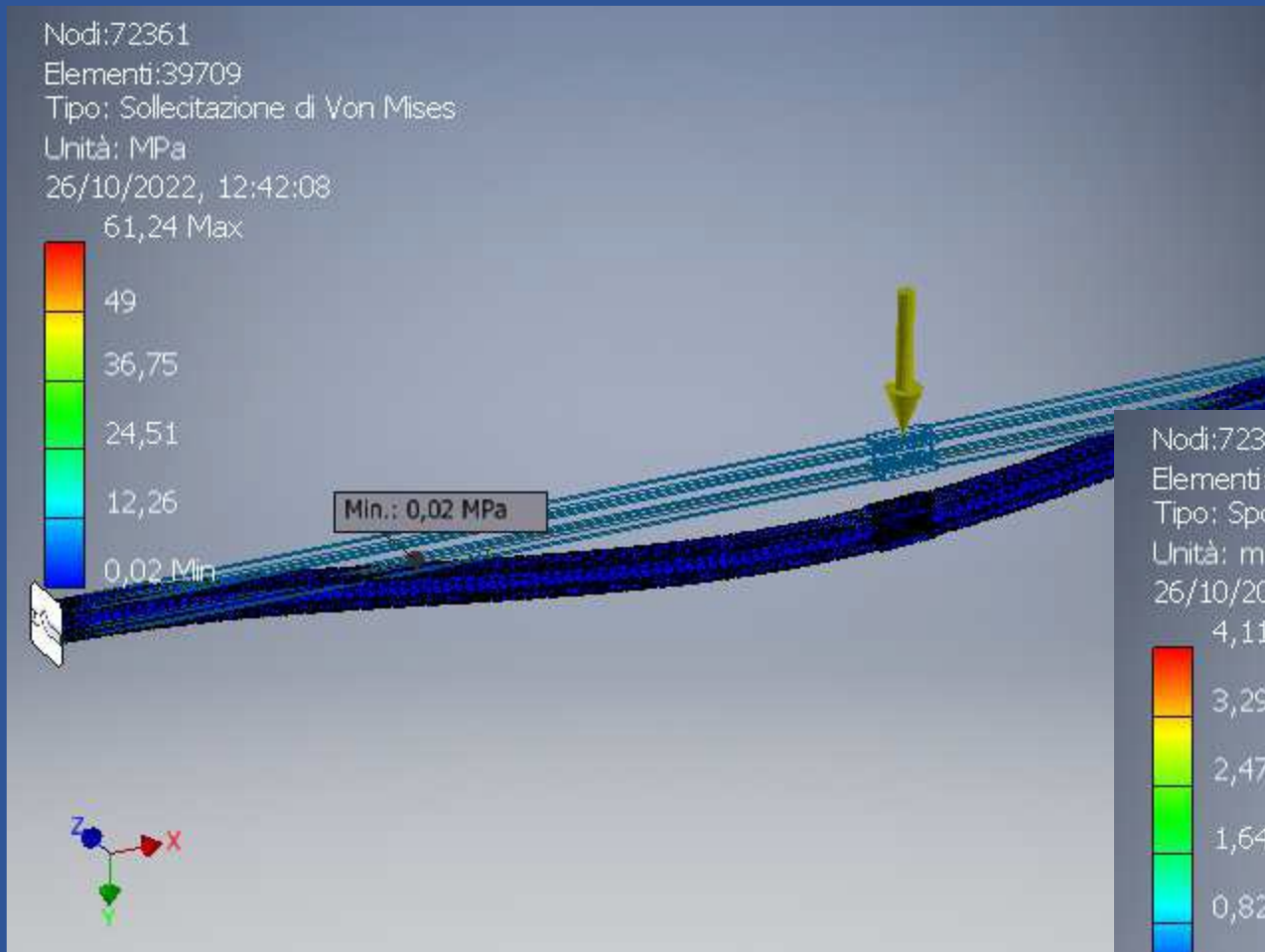
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Unità: mm
27/05/2022, 12:18:06



Nodi:21900
Elementi:10890
Tipo: Sollecitazione di Von Mises
Unità: MPa
27/05/2022, 12:17:59



FEM Simulation of the 11 meters beam;



...some pictures of the current situation.

