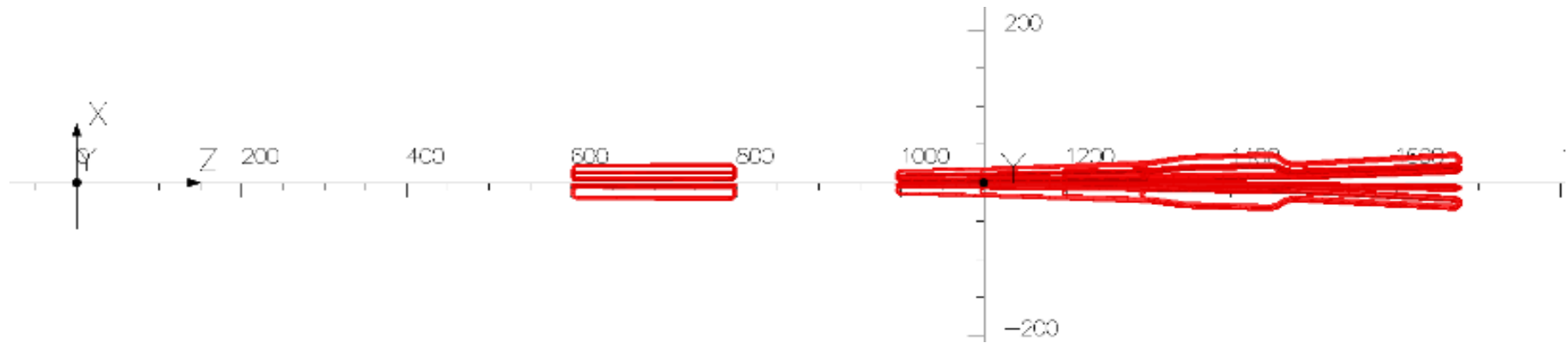


Pivot

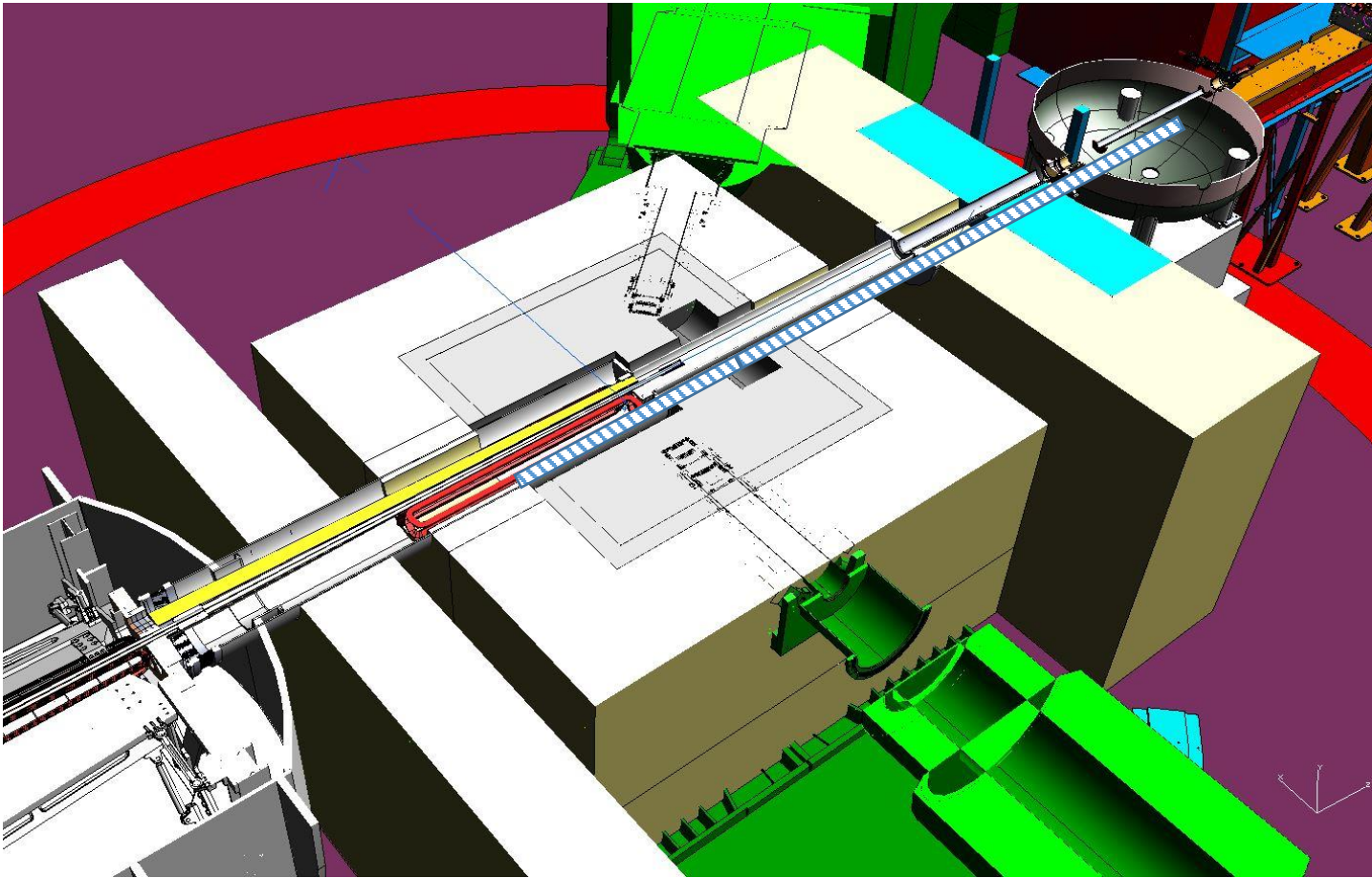
The Hall is 25 m from pivot
center to wall?

Upstream Torus is supposed to be
centered 700 cm downstream of target
center

Target center is 6 m
upstream of pivot



- Jay's layout has the target center 600 cm upstream of the pivot/hall center
- TOSCA simulations rely on the upstream and downstream toroids being placed relative to target center ($z=0$ cm) in this figure
 - The detector plane is then 28 m downstream of the target center
 - This requires the target center to be ~ 6 m upstream of the pivot
 - I had been assuming (incorrectly) that the upstream torus was centered on the pivot – this is not important – but the relative position of target center to upstream center is
- Rakitha said his sims have the target 4m upstream of hall center
 - So that would be a detector plane 1 m from the wall
 - This should be 6m upstream of Hall center according to Jay



Upstream torus is 2 m long. This “ruler” is 3 upstream torus lengths. It seems to show that the distance from target center to upstream center is only ~ 6 m, and the distance from pivot to target center is only approximately 5 m.