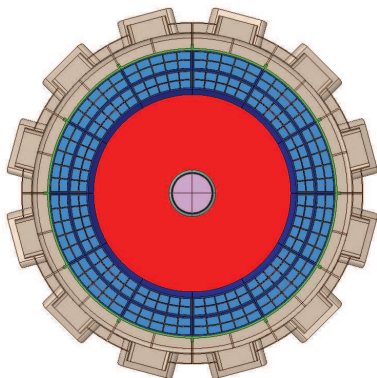


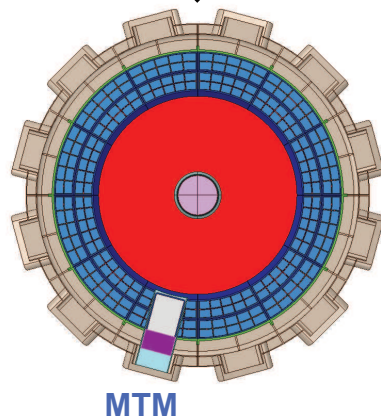
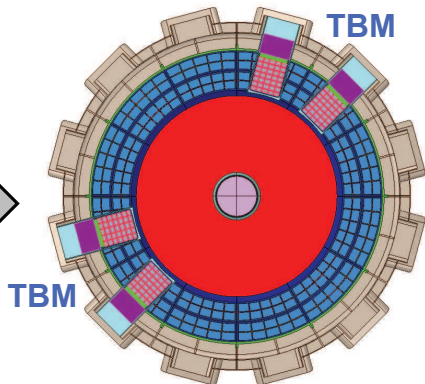
No ports or penetrations,
homogeneous breeding zones:

TBR = 1.03



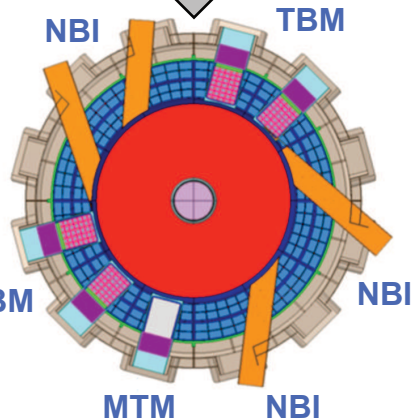
Add 4 Test Blanket
Modules (TBMs)

TBR = 1.02 ($\Delta\text{TBR} = -0.01$)



1 Materials Test Module (MTM)

TBR = 1.01 ($\Delta\text{TBR} = -0.02$)



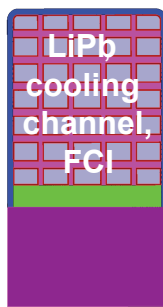
4 TBM + 1 MTM + 4 NBI

TBR = 0.97

MTM



TBM



Approx. ΔTBR per port:

- TBM: -0.25%
- MTM: -2.0%
- NBI: -0.75%