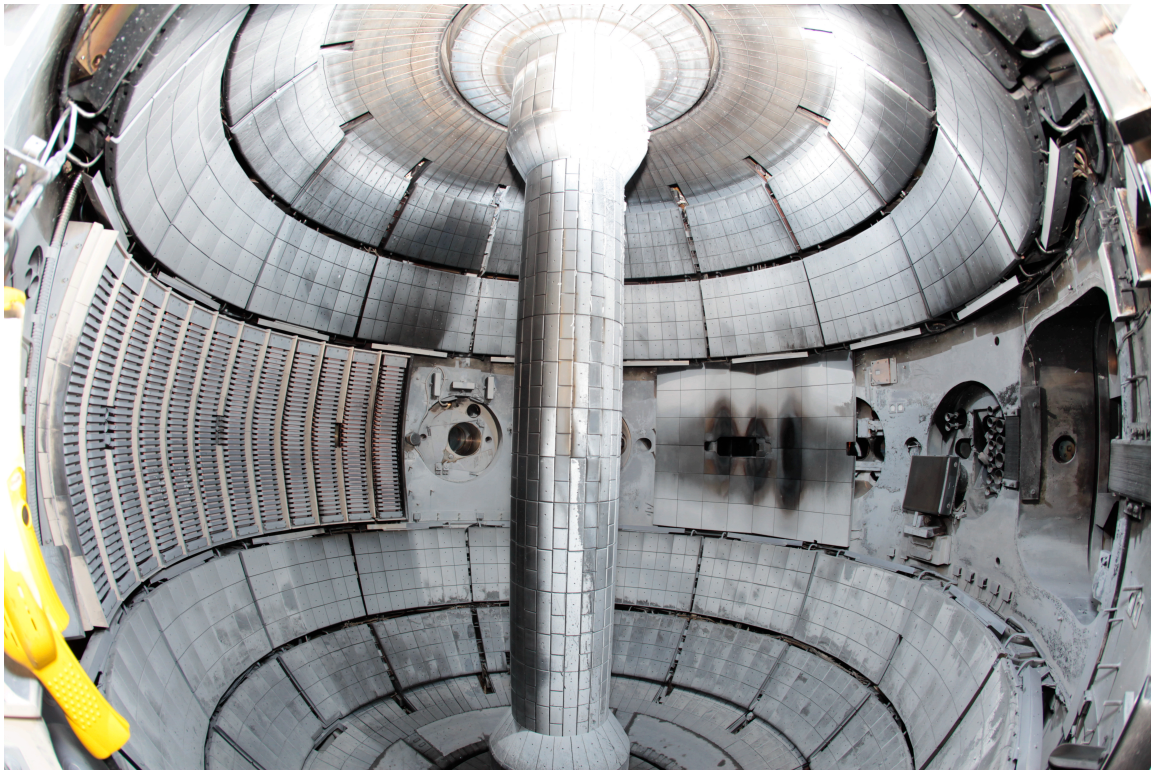
Masking LITERs to control Li deposition



- Li is deposited in ~ 180 spread
- Midplane region with diagnostic windows/ RF antenna is thickly coated
- Masking LITER output would concentrate deposition in lower/ upper divertor region.

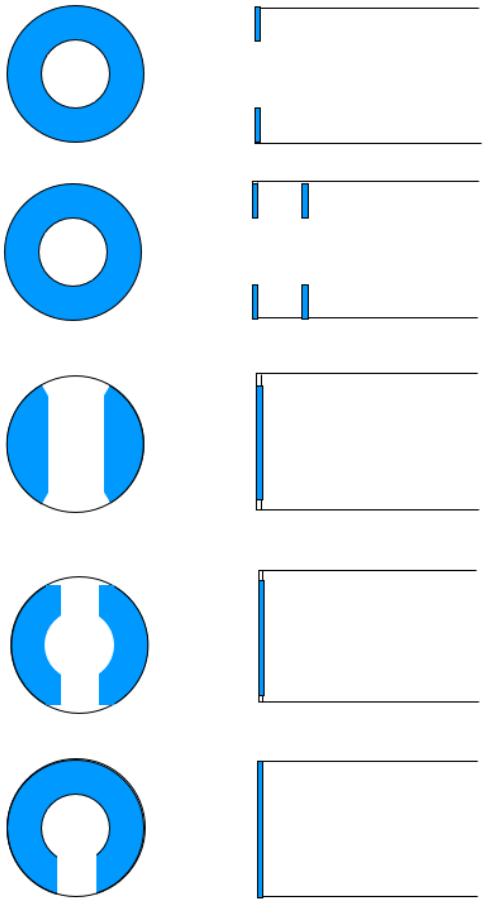
Masking LITERs to control Li deposition

- Present LITERs deposit Li in a ~180 arc

- Applying Li only on the divertor region to separate the effects of Li in the divertor as compared to the passive plates leading to better understanding of the role of Li.

- Global spewing of Li affects diagnostic windows, causes shorts across insulators, and places an overly-thick coating on the RF antennas which limits the peak injected power.

- By "surgically" applying Li only where it is needed, the number of costly refills will be reduced and post-run cleanup will be easier and health risks will be reduced.



Possible mask concepts