

Shielding

During the design of ARIES-CS and W7-X, both configurations experienced engineering issues related to the space between the last closed flux surface and the external coils.^{[2][3]}

This "plasma-coil separation" must be > 1.5m to have enough room for neutron shielding and a blanket.

Larger plasma-coil separation reduces coil ripple, accommodates for shifts during startup and initialization, and can allow larger configurations to be scaled down.





