

## Iron transformer core with primary winding

The transformer is rectangular shaped (height 110 cm, width 205 cm, column dimensions 25x32.5 cm), its primary winding is called central solenoid while the secondary winding is the plasma column itself. This is a essential part of the tokamak with the purpose to create toroidal electric field  $E_t$  to breakdown neutral gas into plasma and consequently heat it.

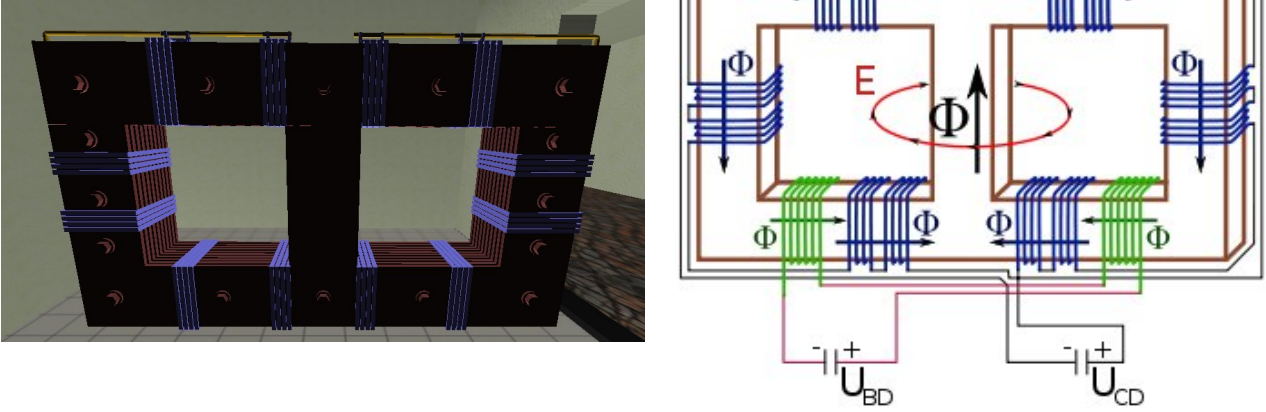


Figure 1: Schematic view of tokamak GOLEM iron transformer core