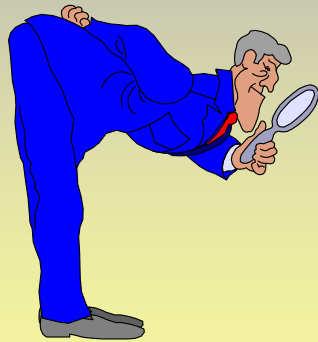
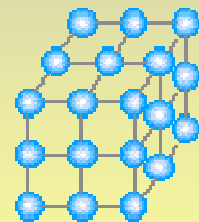


O que é Plasma?

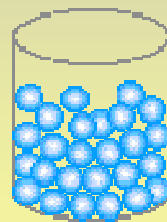
- Gás a altíssimas temperaturas (átomos ionizados)
- Número de cargas + e - aproximadamente o mesmo
- É usualmente denominado o 4º Estado da Matéria



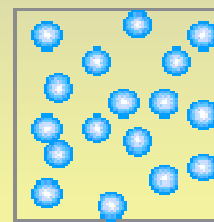
Estados da Matéria



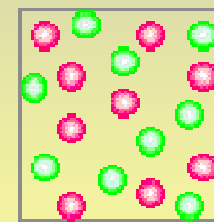
SÓLIDO



LÍQUIDO



GÁS

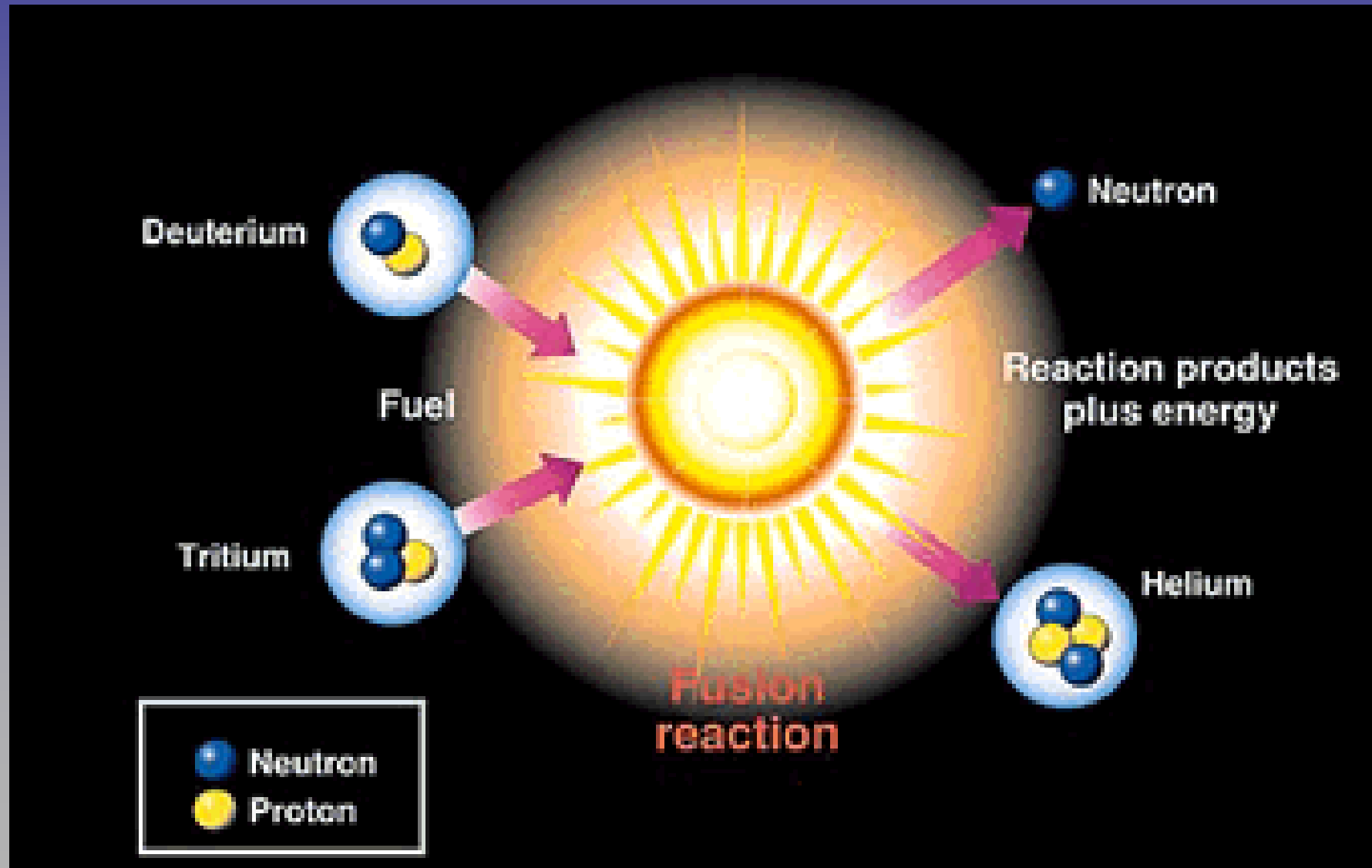


PLASMA

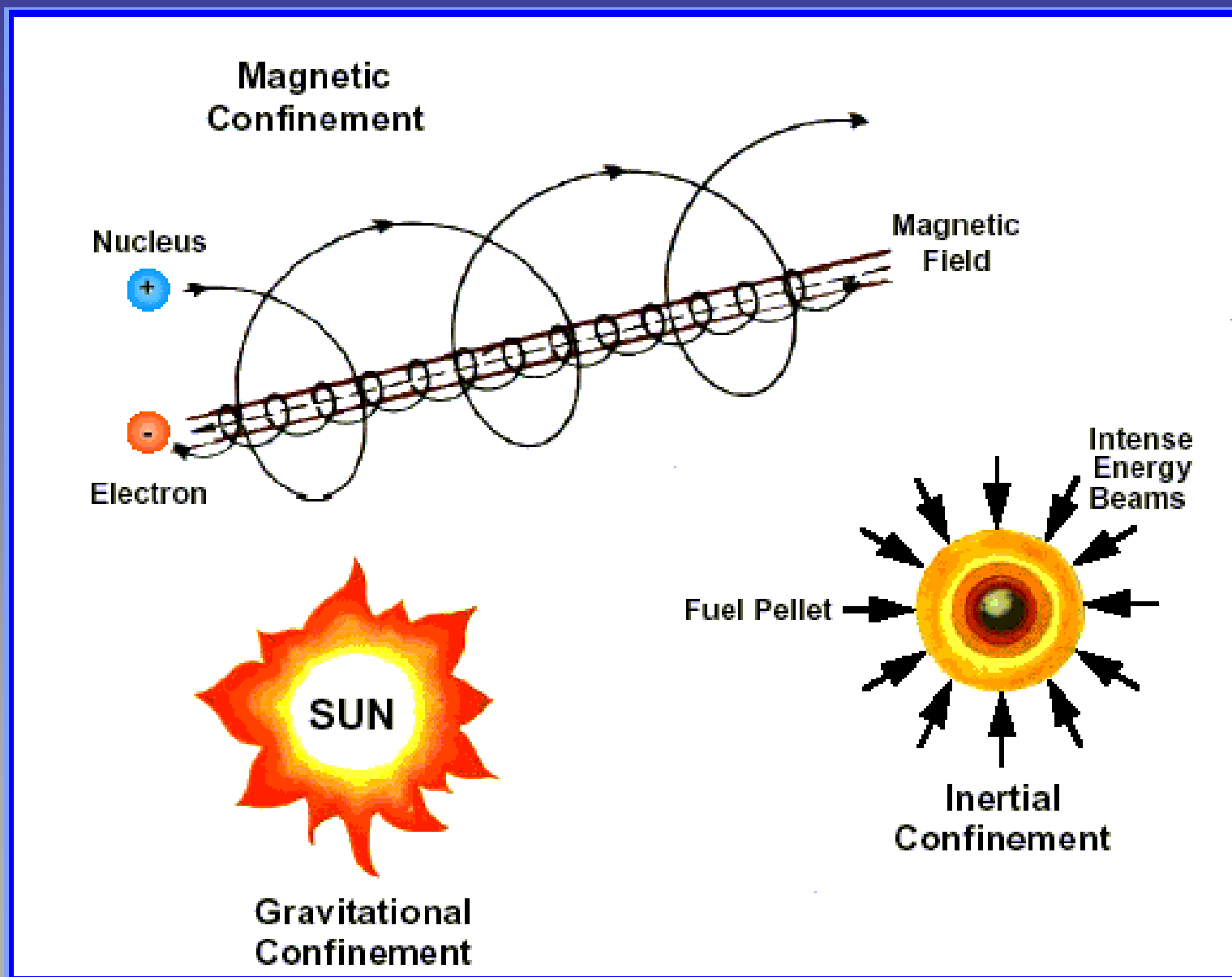


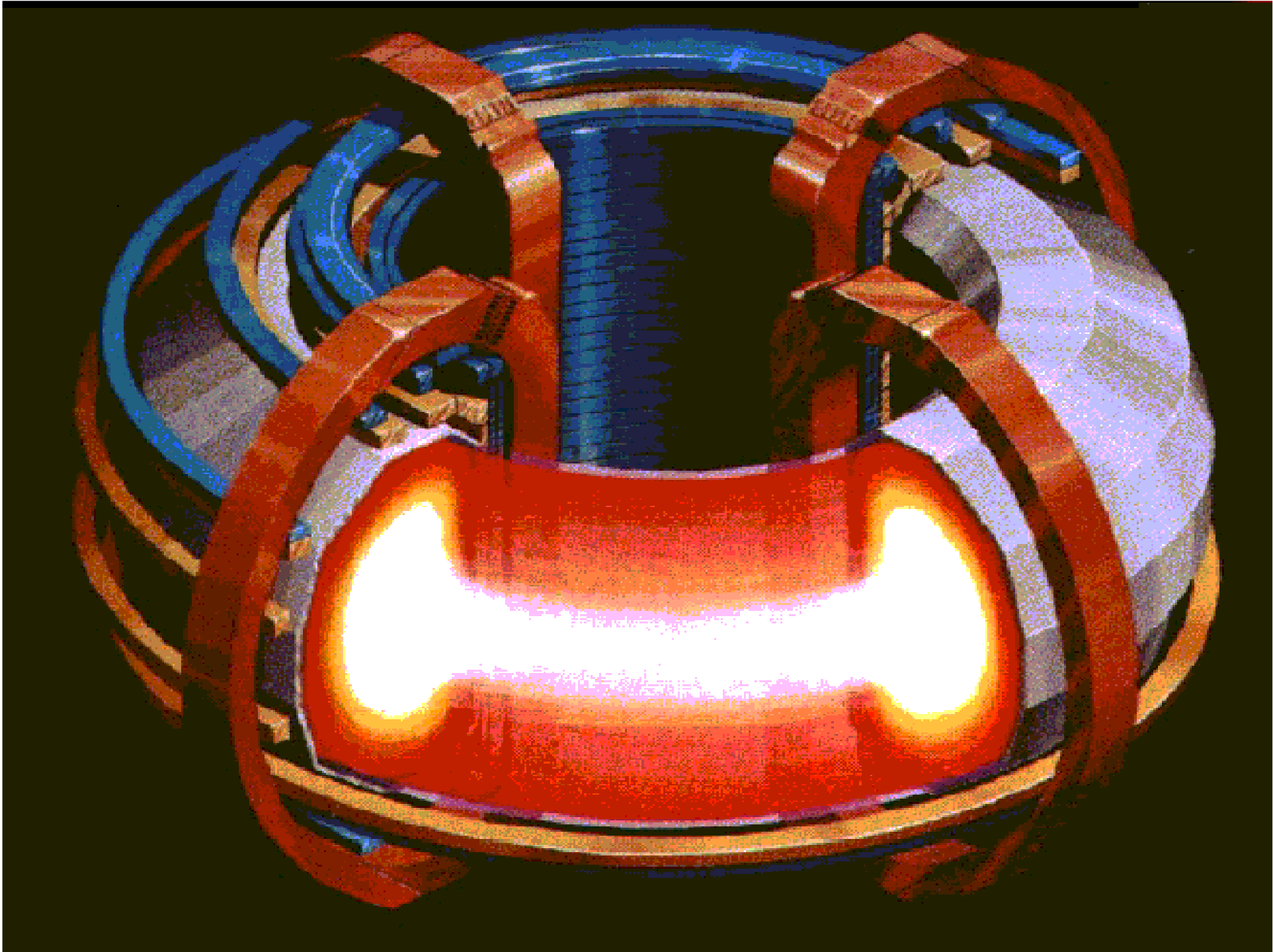
Principal Objetivo

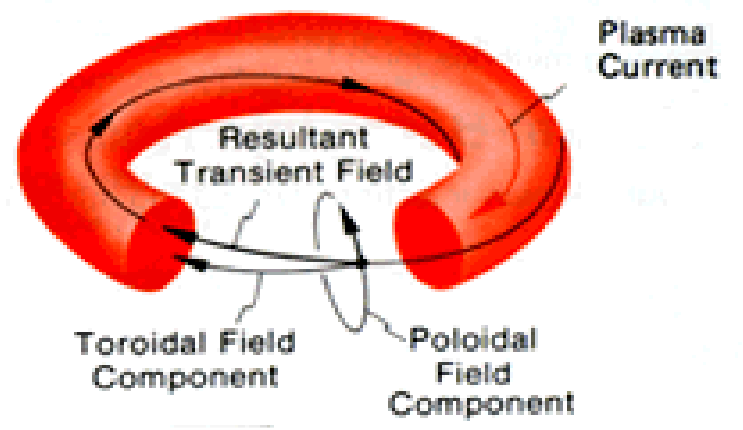
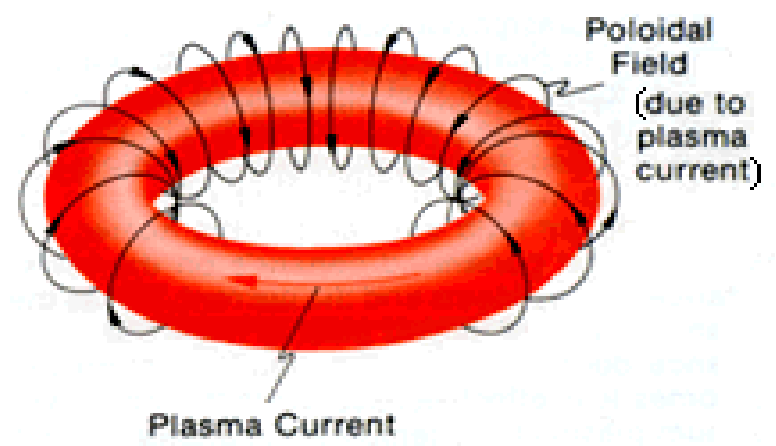
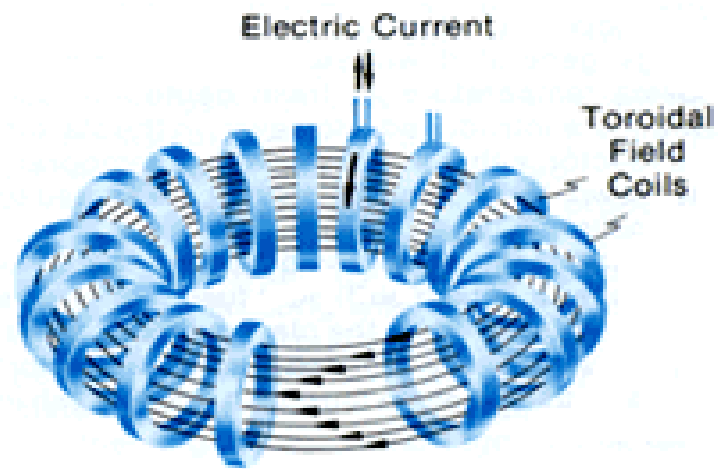
- Obtenção da *Fusão Termonuclear Controlada*



- A fusão pode ser obtida de 3 maneiras diferentes







O tokamak TCABR do IFUSP

- Máquina de médio porte, trazido da Suíça
- Substituiu o pequeno tokamak TBR-1
- Principais parâmetros:
 - $I_p \sim 100$ kA
 - $\tau_p \sim 150$ ms
 - $B_t \sim 1,1$ T
 - $R_0 = 61$ cm
 - $a = 18$ cm

