

LDX

Diameter: 4.5 m
Height: 3.0 m
Max B at ring: 3.5 T
Hot Electron Temp: 50 keV

The Levitated Dipole Experiment (LDX) is a collaboration between MIT and Columbia.

LDX studies dipole-confined Fusion, an idea inspired by Earth's magnetosphere, which is how nature confines plasma around our planet.

A super-conducting coil carrying 1MA of current is levitated in a chamber of turbulent plasma. The key idea is “little coil big plasma.”

Plasma Physics Trading Cards - APS 60th DPP

11



Levitated Dipole Experiment