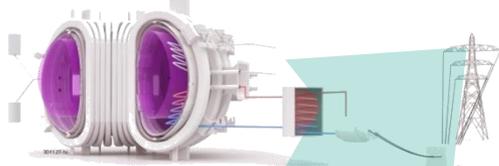


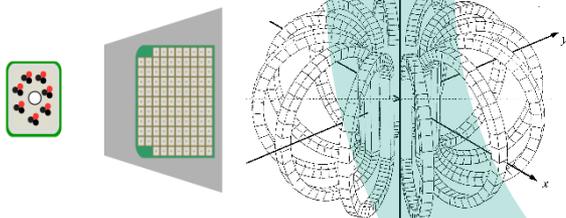
Modular Integrated Reactor Analysis (MIRA)

Reactor Integration into Plant System



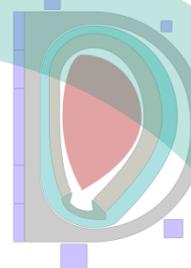
- Integral plant power balance
- Reactor pulse characterization

Reactor Magnetics



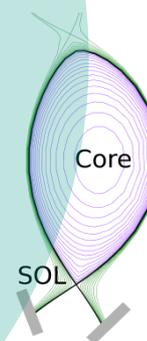
- 3D magnetostatics
 - Magnetic field, force, energy
 - Toroidal field ripple
- Conductor design

Reactor Architecture



- 2D geometric construction
- Blanket material composition
- Coil cable technology

Magnetic Equilibrium & Core/SOL Physics



- 2D free-boundary equilibrium
- Plasma power, particle, current integral balance

MIRA Multiphysics Approach

Reactor neutronics

- 2D n- γ plasma chamber
- 1D n- γ reactor
- TBR, nuclear heating
- Neutron shielding, dpa

