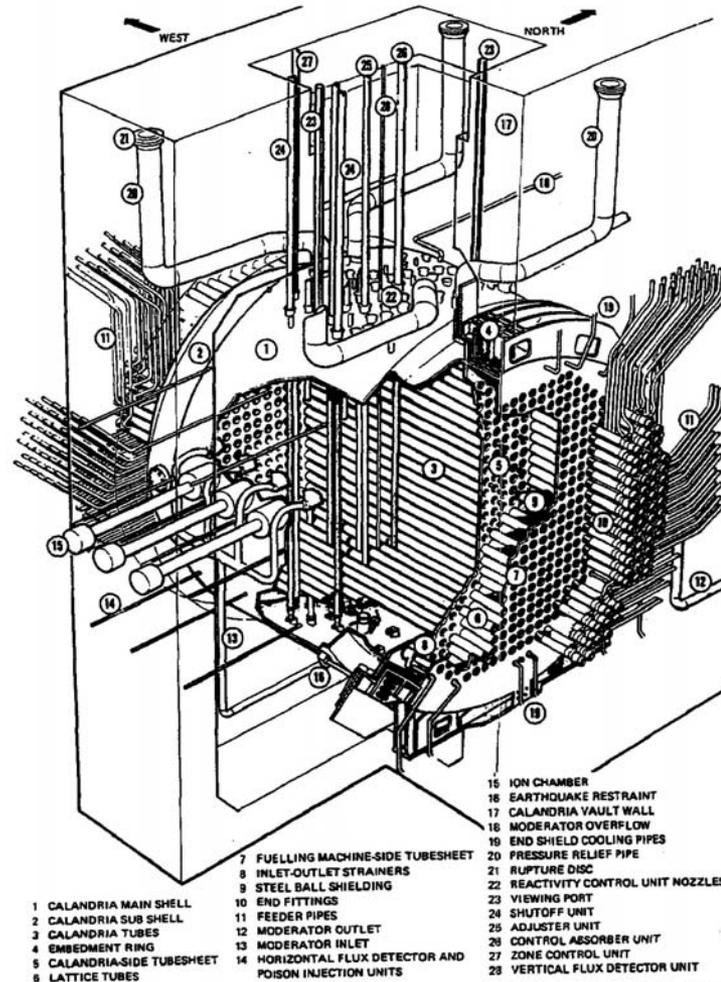
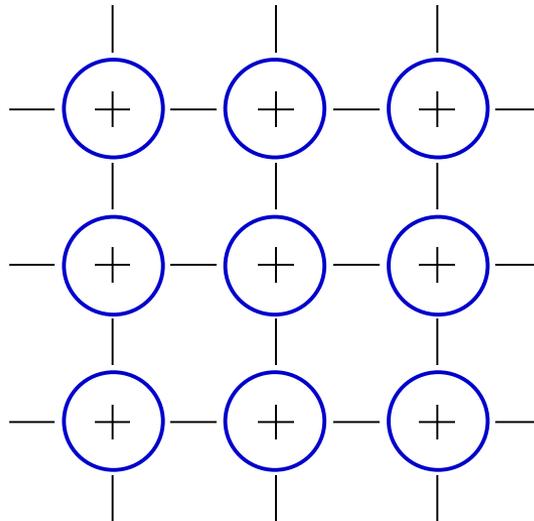
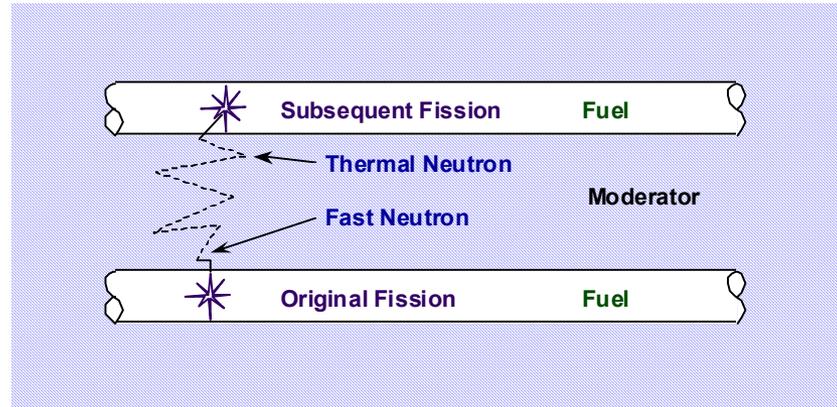


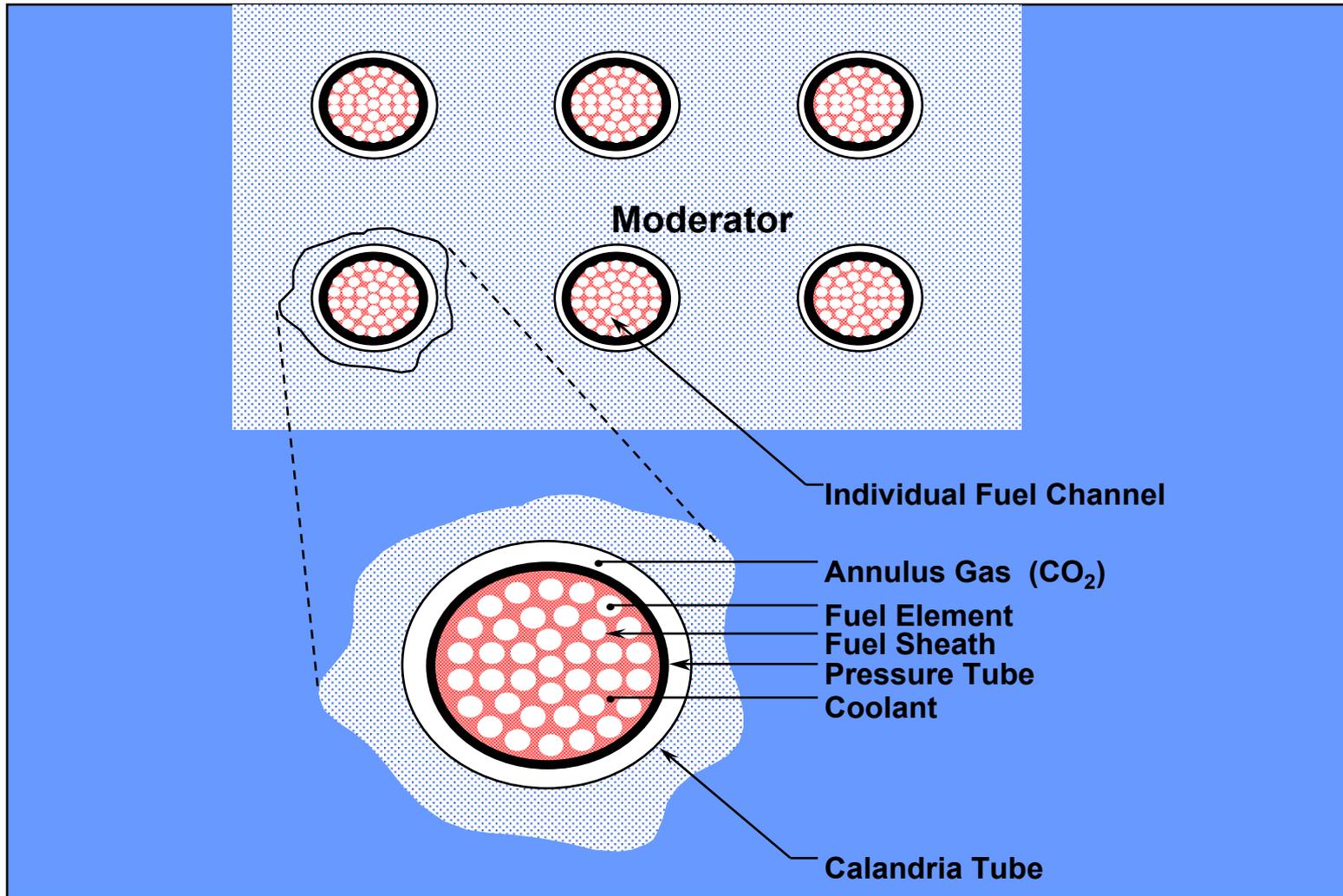
CANDU Reactor Construction



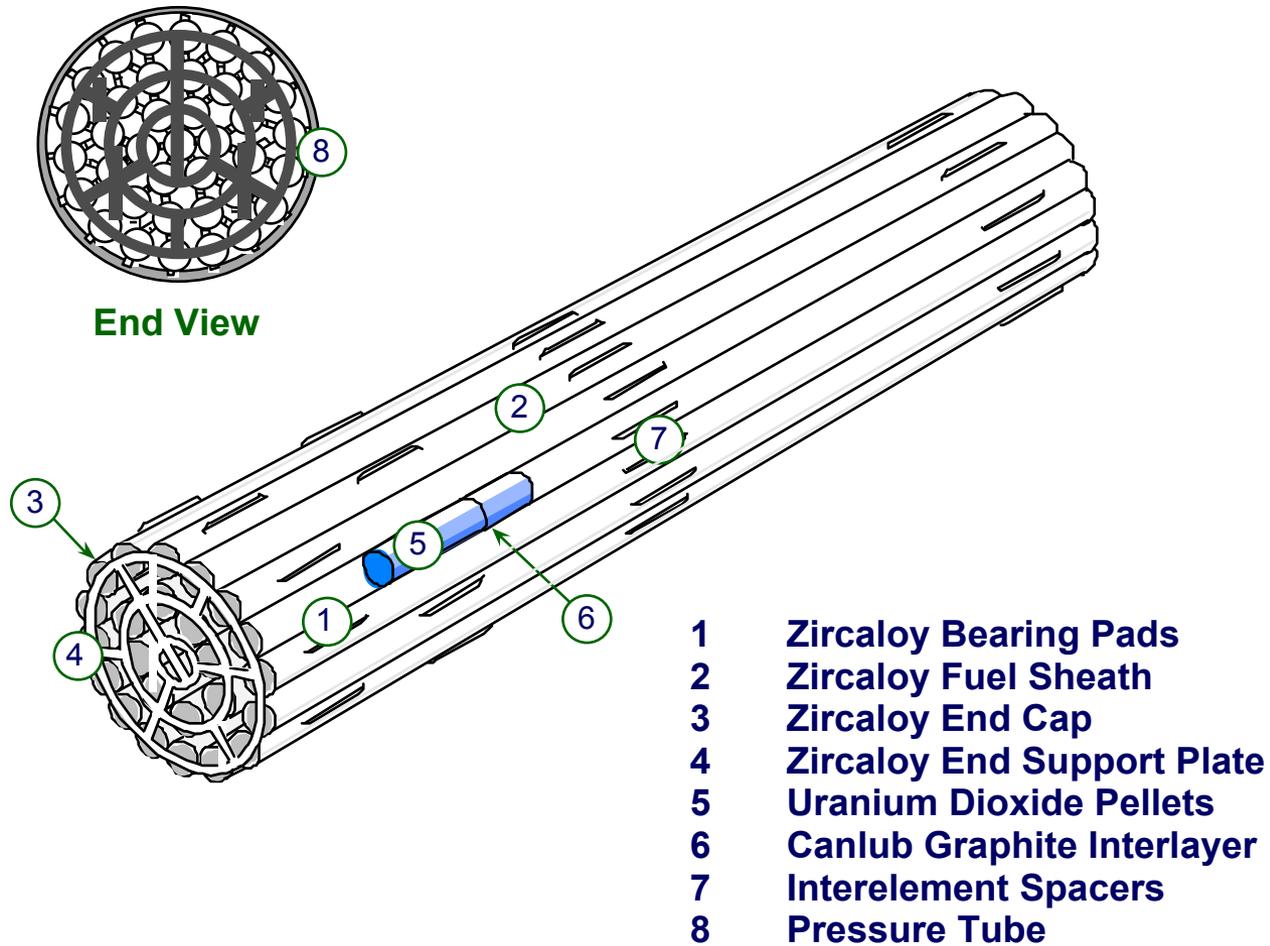
Core Geometry



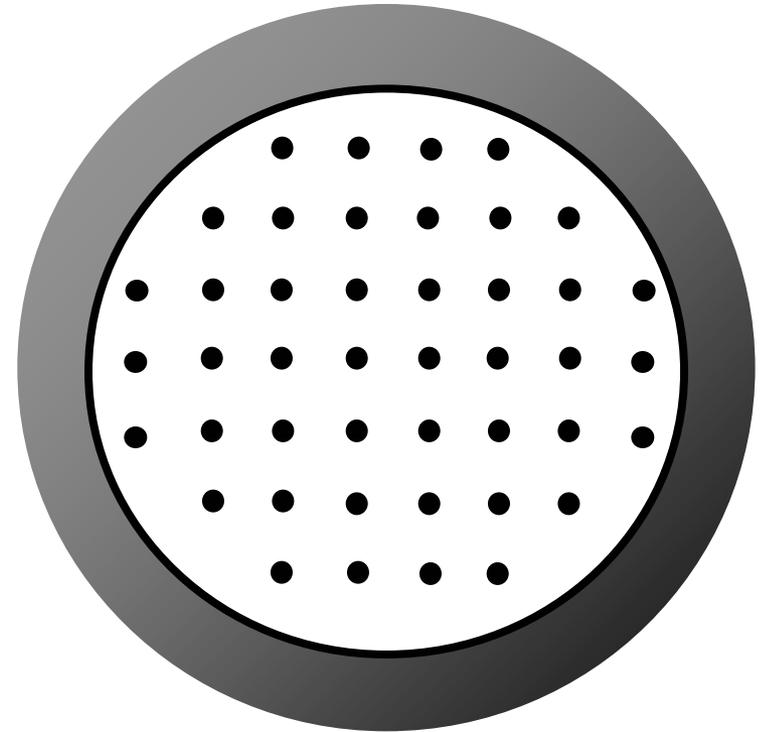
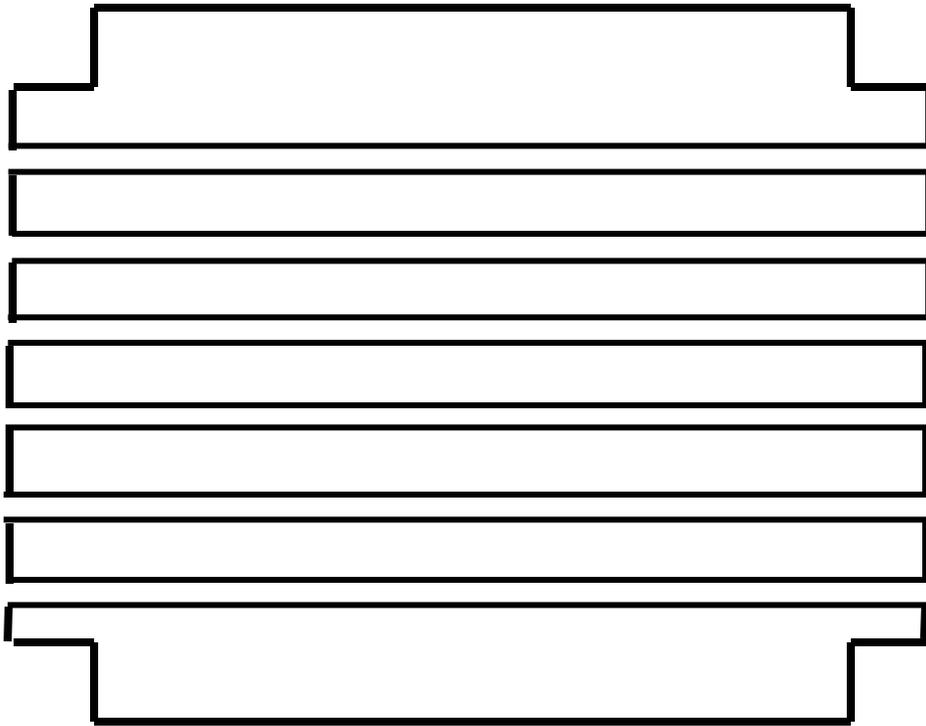
Fuel Coolant Arrangement



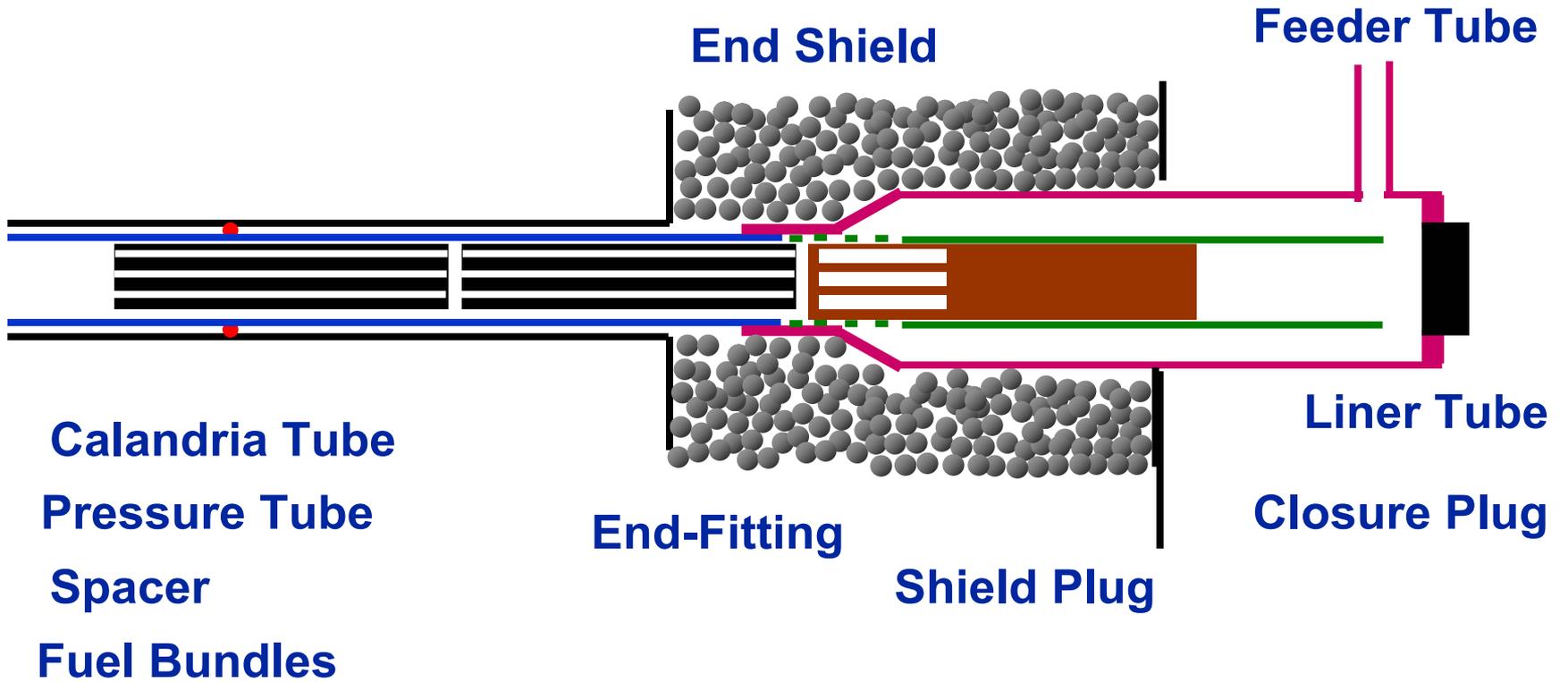
Fuel Bundle



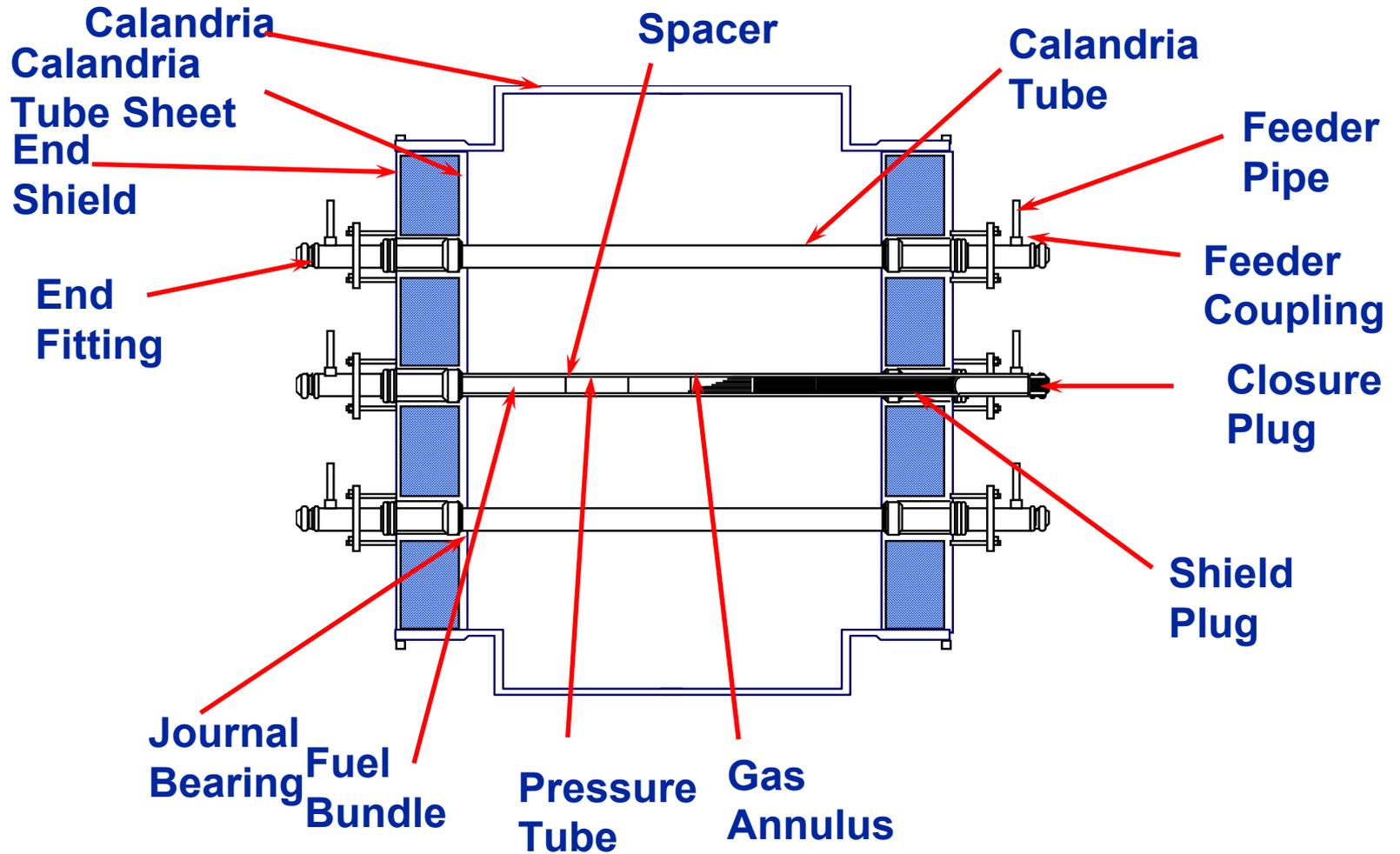
Calandria Structure



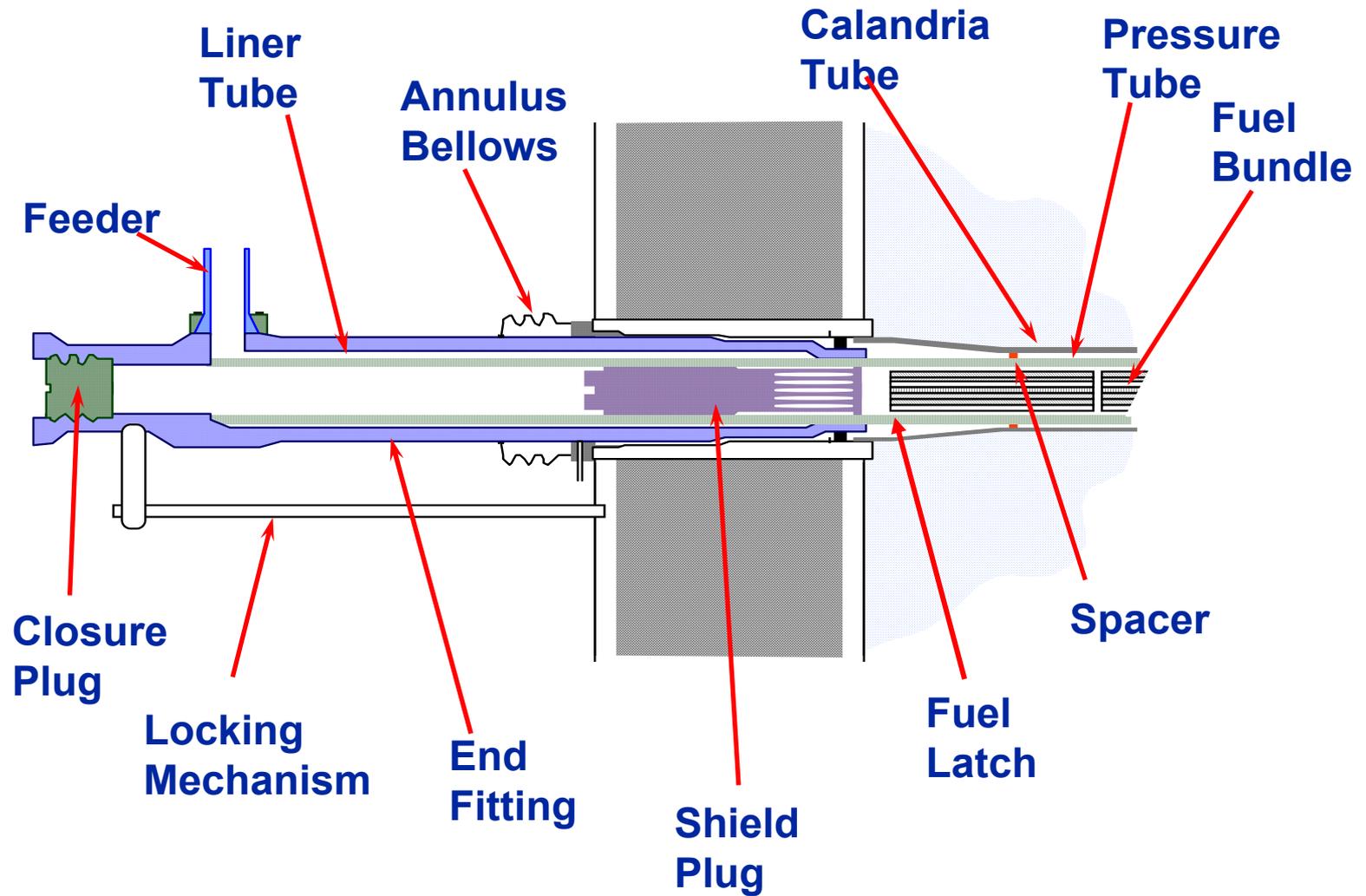
Tubes within tubes



Reactor Core Structure



Simplified Section of End Fitting



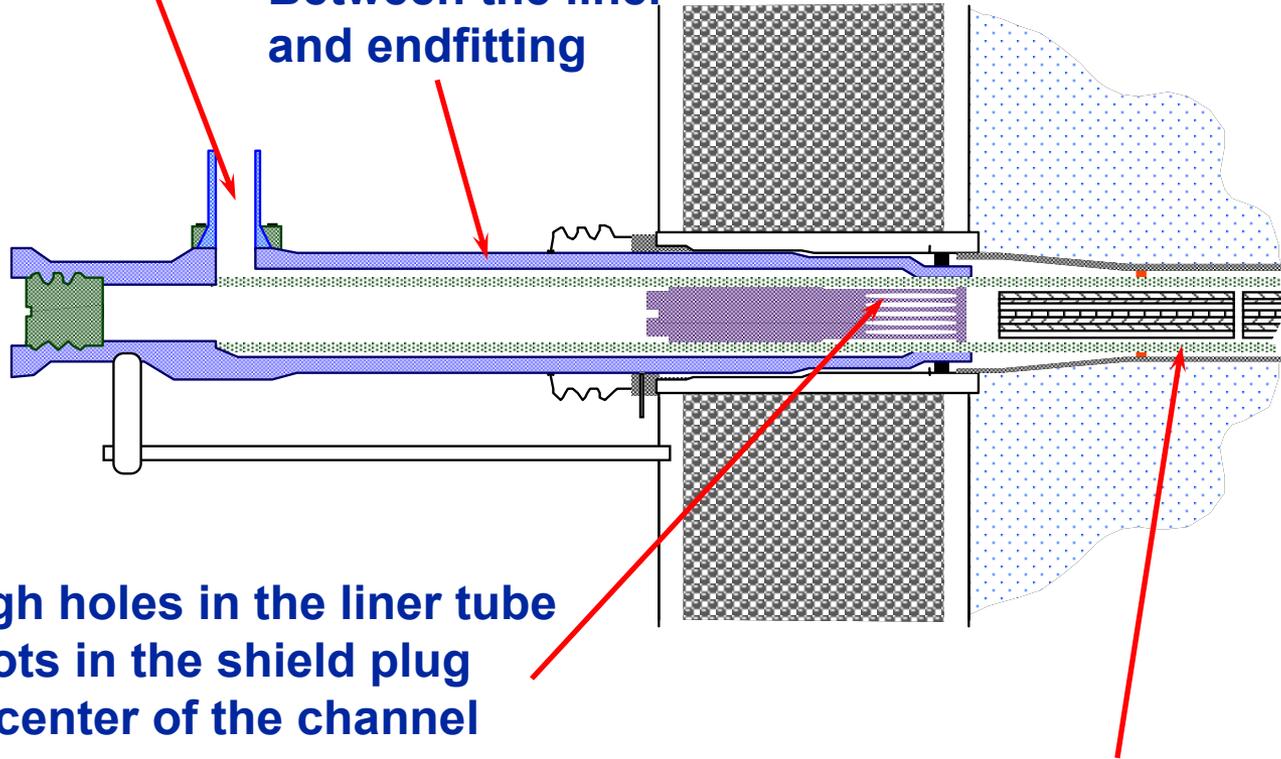
Channel Flow

Down the Feeder Pipe

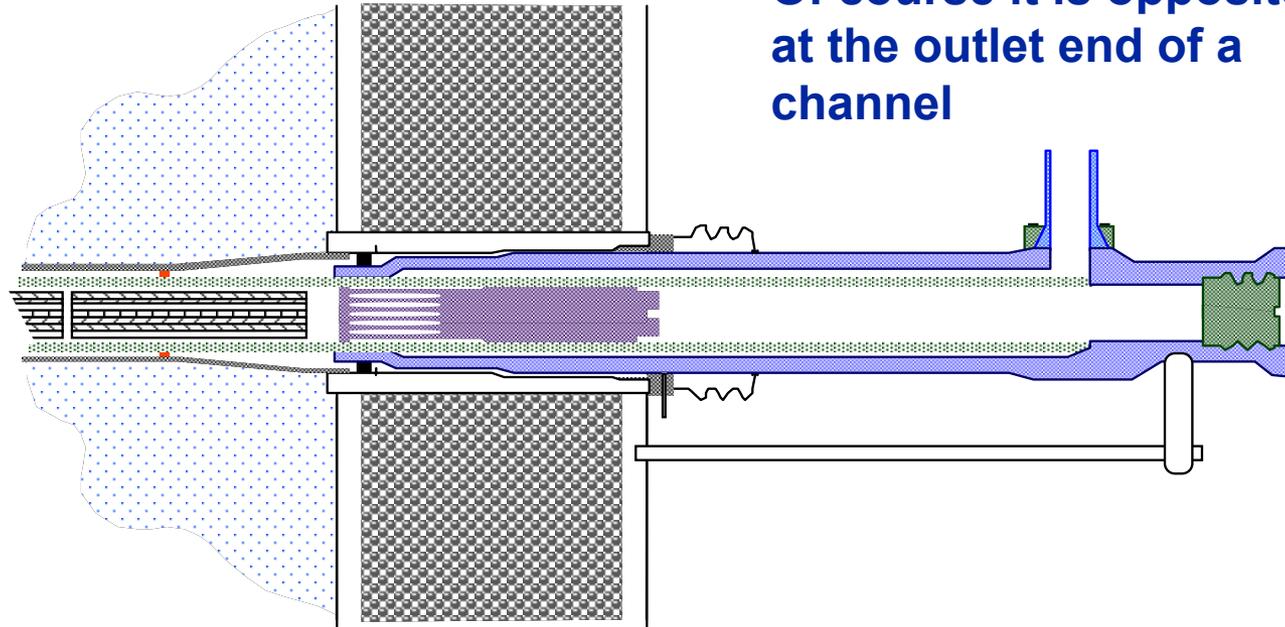
Between the liner
and endfitting

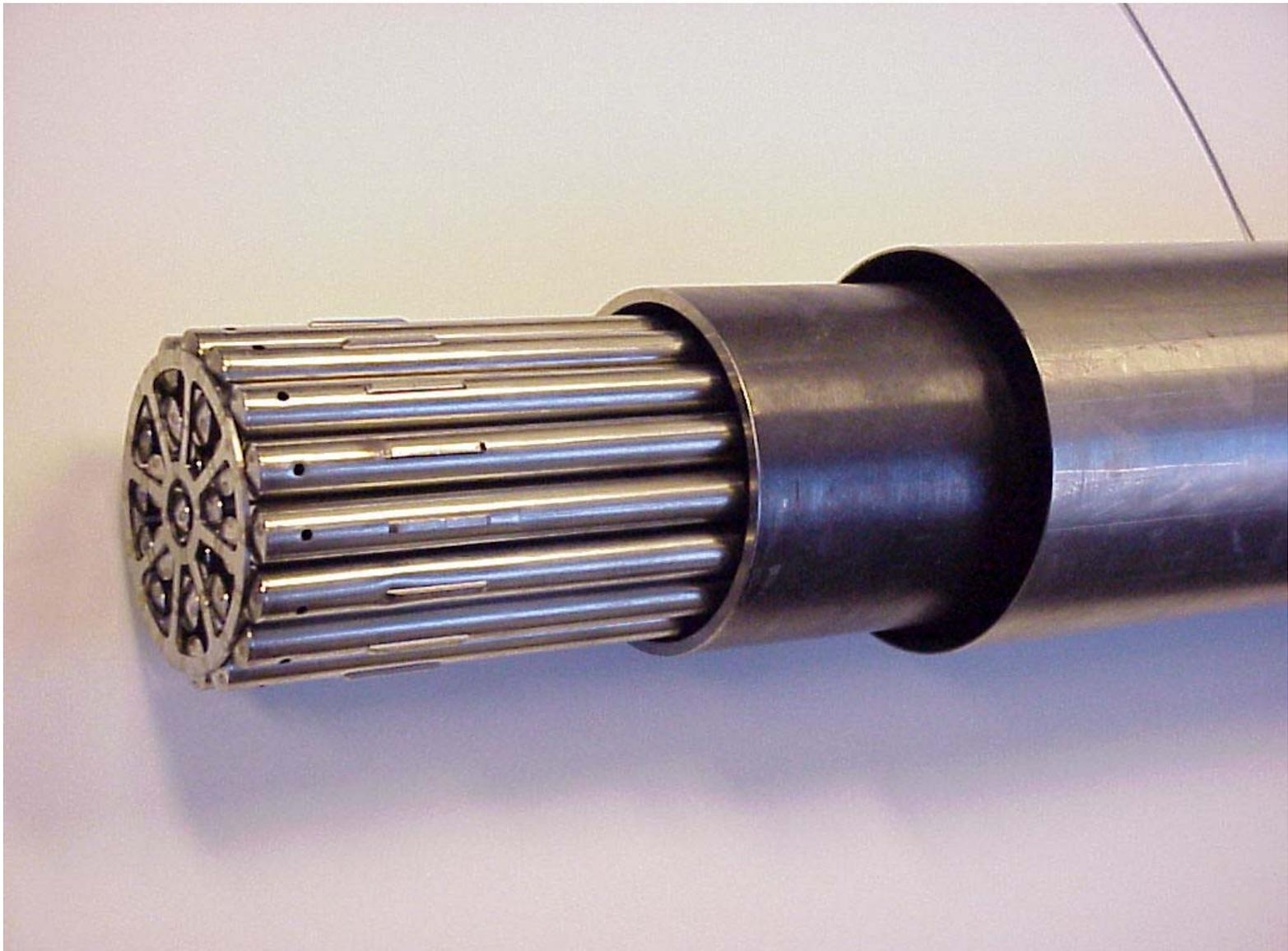
Through holes in the liner tube
and slots in the shield plug
to the center of the channel

Past, over and around
the fuel

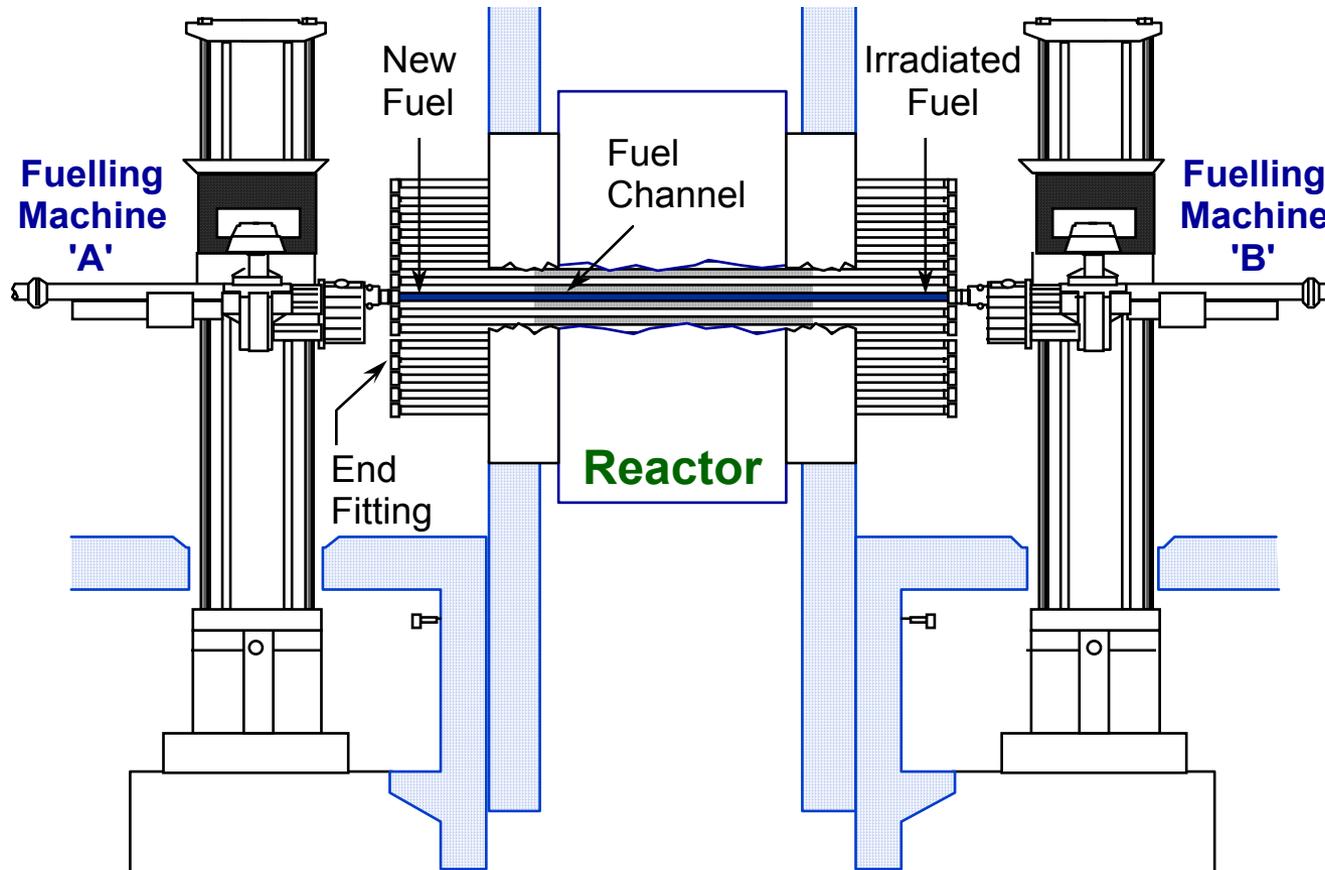


Channel Flow





Arrangement of Fuelling Machines During Fuelling Operations



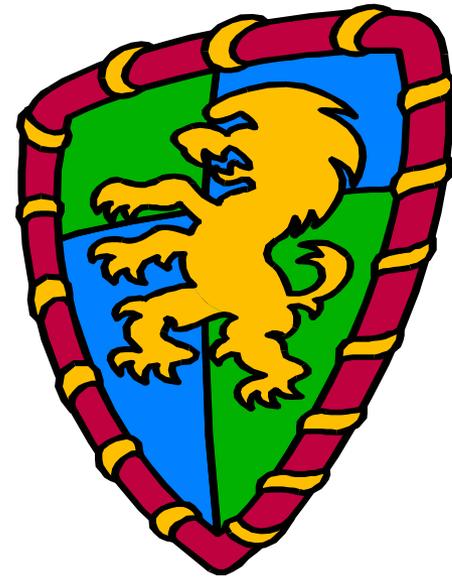
Advantages and Disadvantages

- Low fuel cost
- On power fuelling
- Flexible reactor monitoring and control
- Expense of heavy water
- Core is large and complex
- Tritium

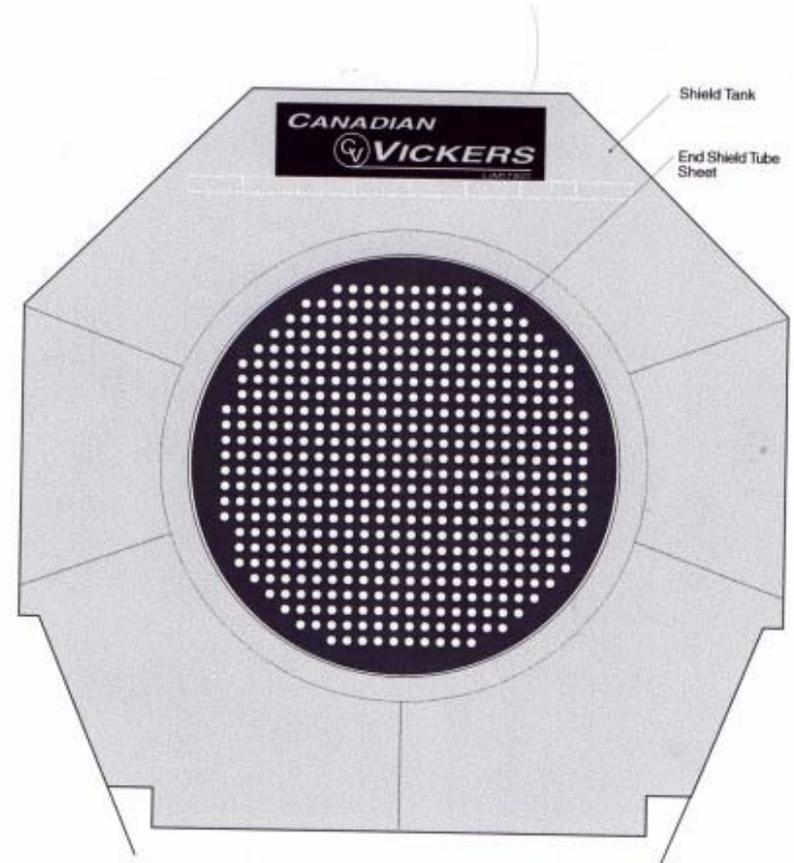
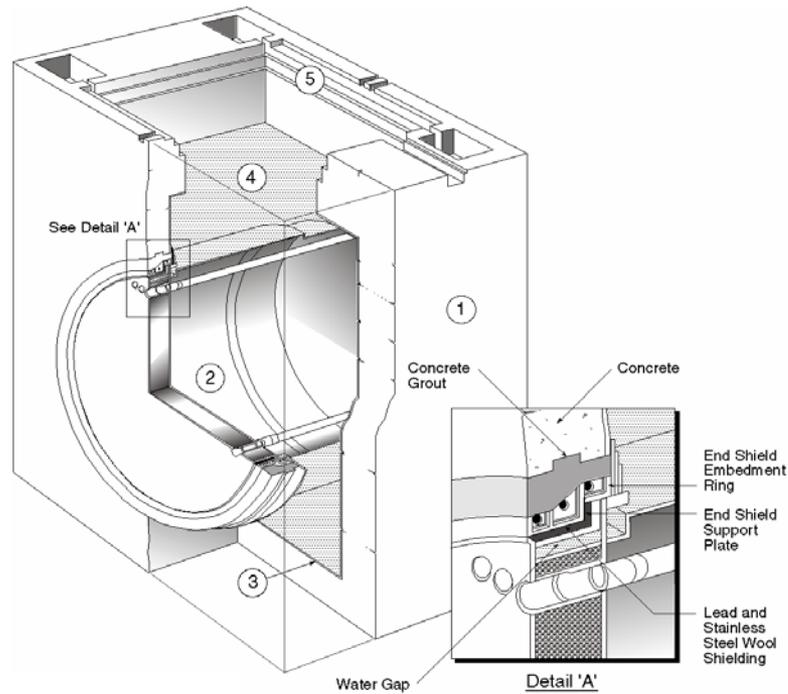


Shielding

- **Shutdown Shielding**
- **Biological Shield**
- **End Shielding**
- **Radial Shielding**



Pictures of vault and shield tank



Some Pictures

