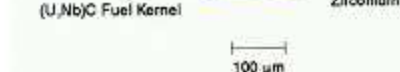
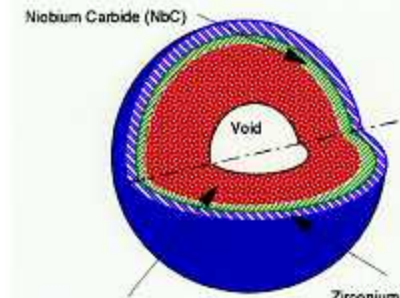
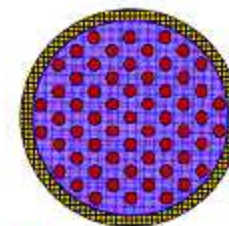
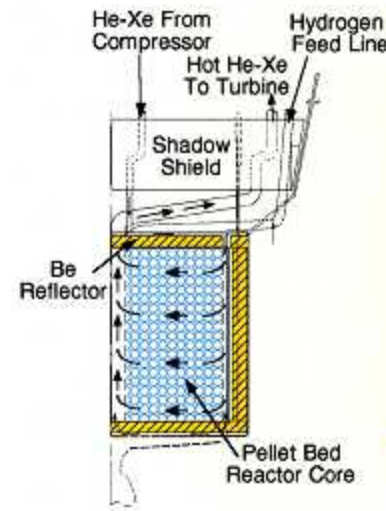
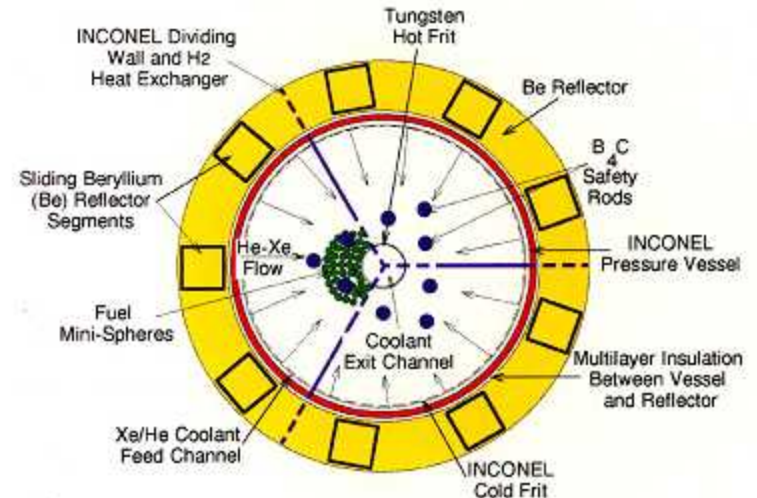
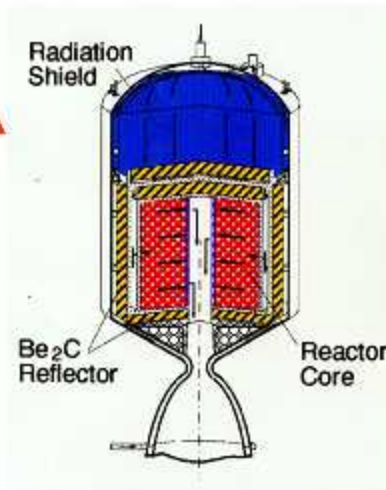


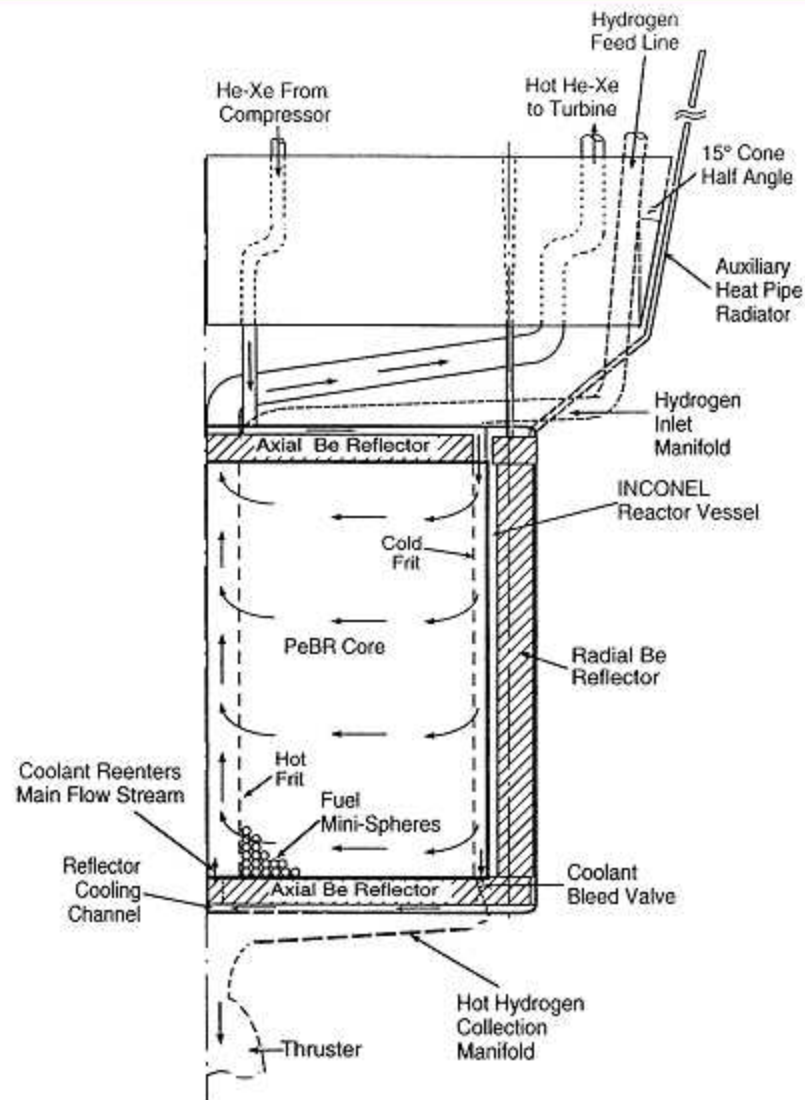
SPACE NUCLEAR POWER AND PROPULSION

- ◆ **Pellet Bed Reactor (PeBR) for thermal propulsion.**
- ◆ **Solid core, high thrust, $I_{sp} \sim 1000s$, space refueling, scalable, Zr coated U-ZrH fuel kernels in graphite, radial flow (U.S. Patent)**
- ◆ **Neutronics, thermal-hydraulics and water submersion criticality analysis.**

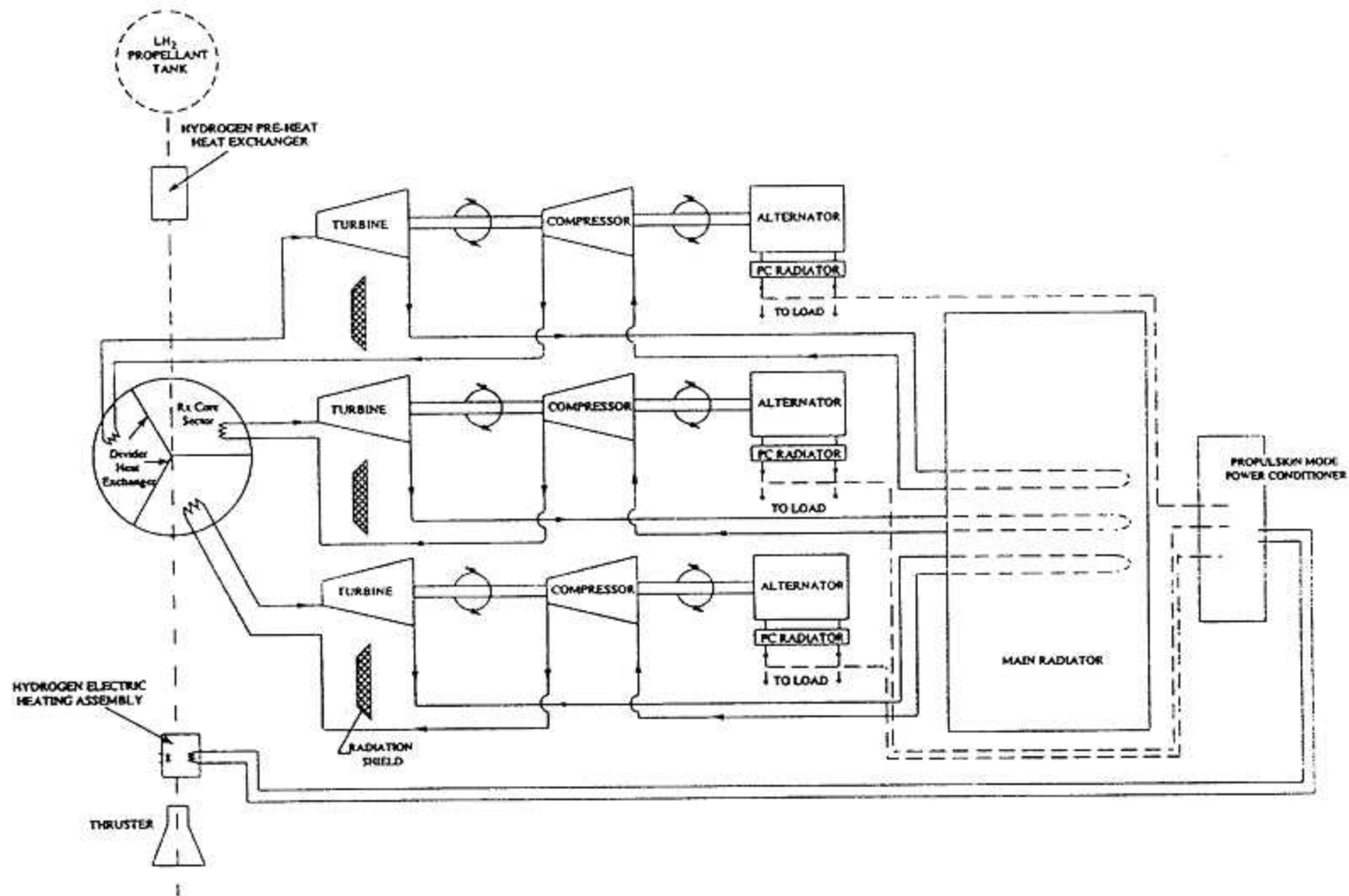


◆ **Dual-mode, high energy Utilization system**

Bimodal Pellet Bed Reactor Concept For Nuclear Thermal Propulsion



Line Diagram of Bimodal PeBR Space Power System for Nuclear Thermal Propulsion



Line Diagram of Bimodal PeBR Space Power System with H₂ in-Core Heating

