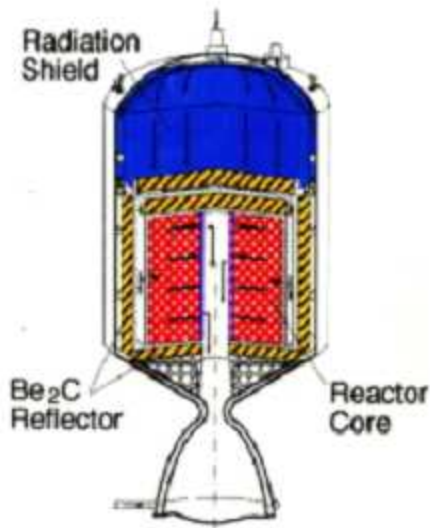
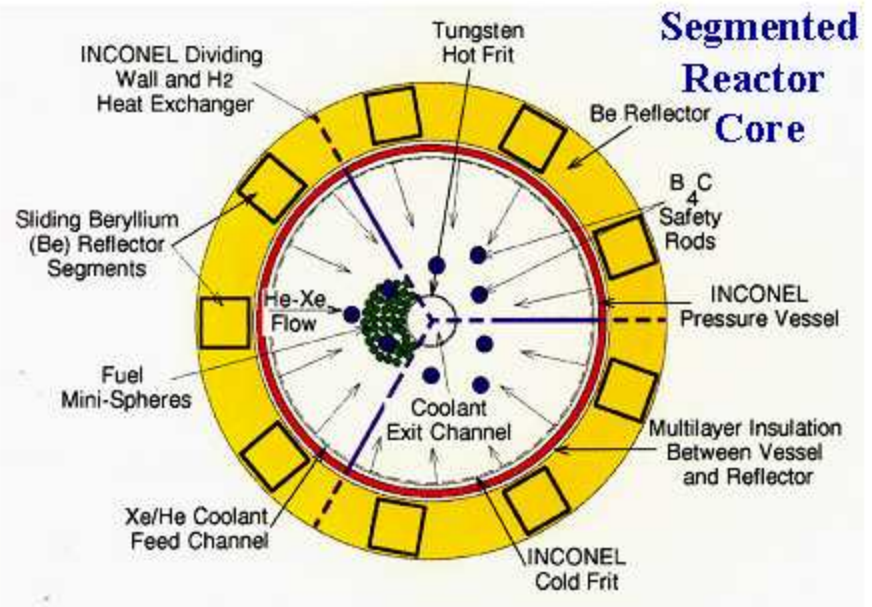


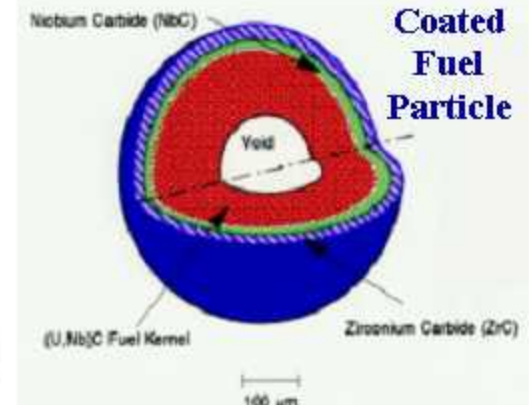
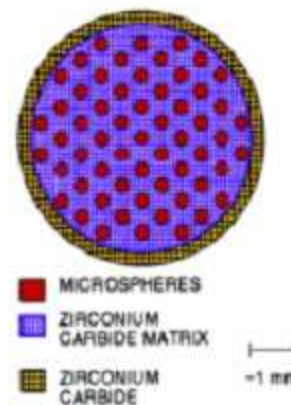
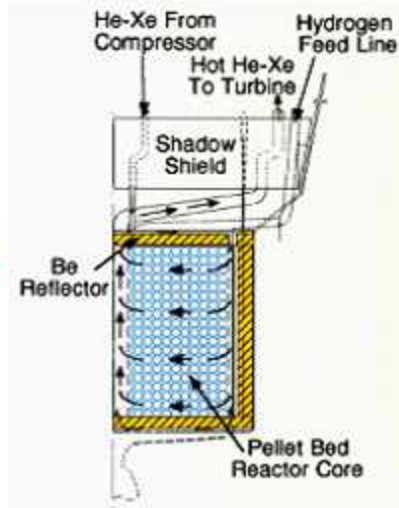
SPACE NUCLEAR POWER AND PROPULSION



UNM-ISNPS's PeBR for Nuclear Thermal Propulsion

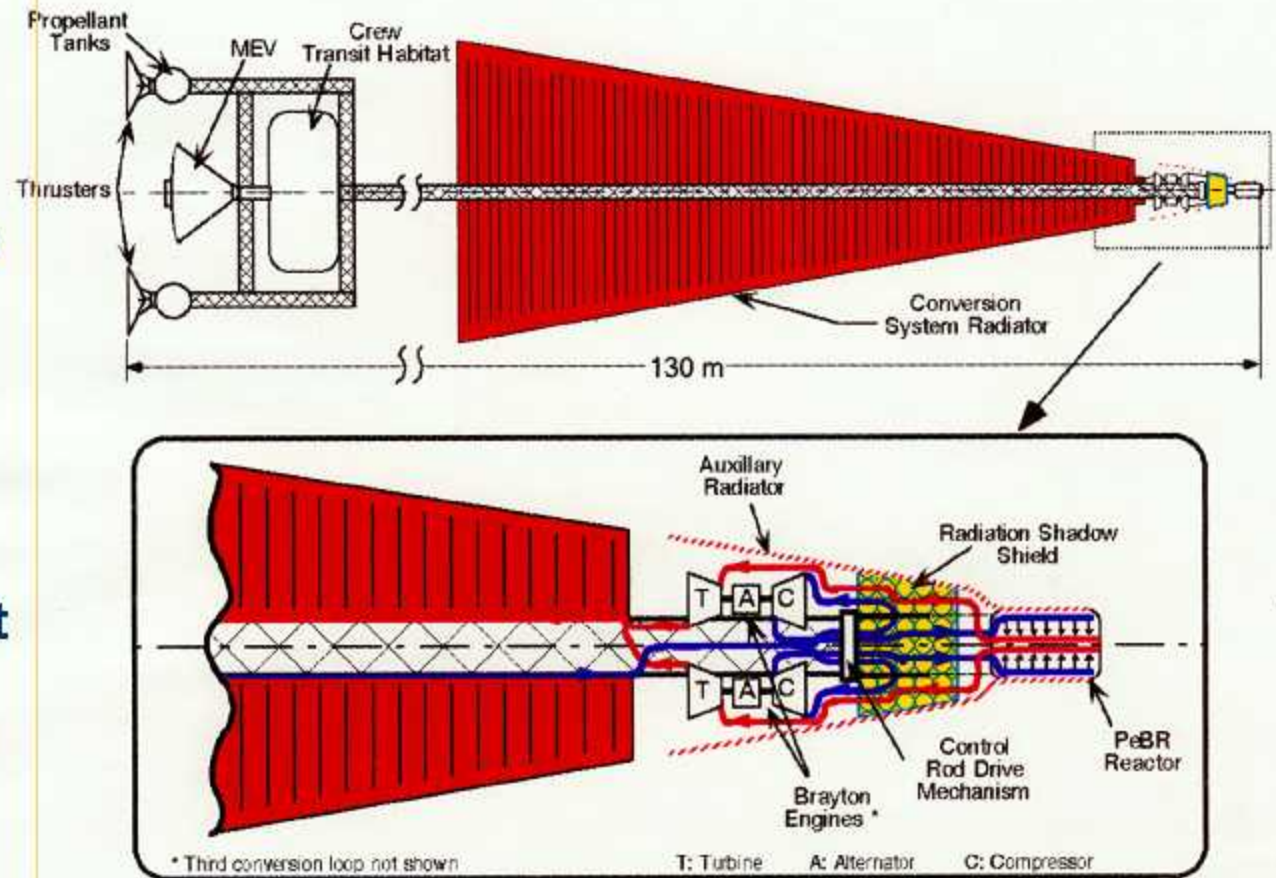


PeBR for Bimodal Nuclear Propulsion



SPACE NUCLEAR POWER AND PROPULSION

- ◆ Dual-mode, high energy utilization (HEU) power and propulsion for manned missions to Mars (U.S. Patent)
- ◆ Features: P_e for HK and on Mars; > 70% HEU (> 400 W/kg), bleed lines, He-Xe CBC, no-single point failure, reliability, G testing with electric heaters, plasma propulsion for 3 months travel time.



Cross-Section of Pellet Bed Reactor Concept For Nuclear Electric Propulsion

