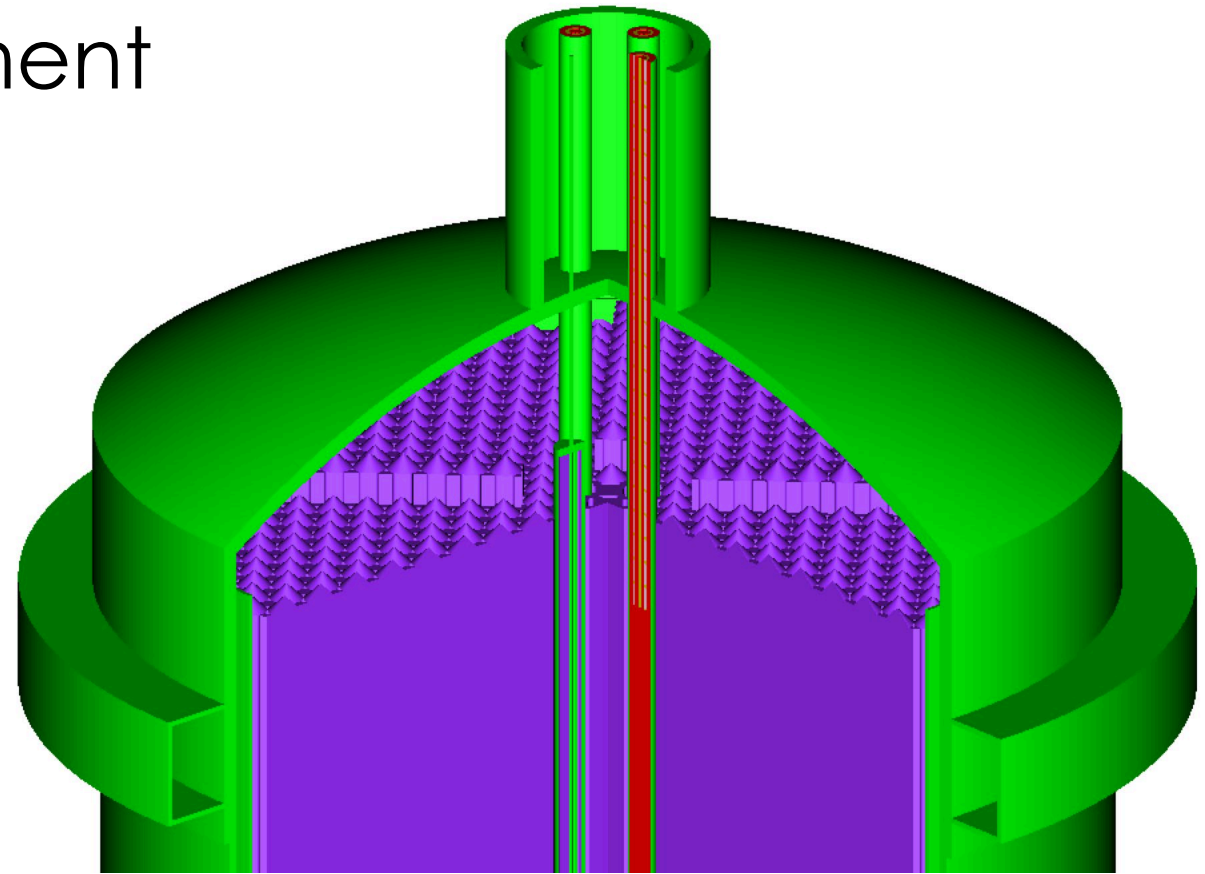
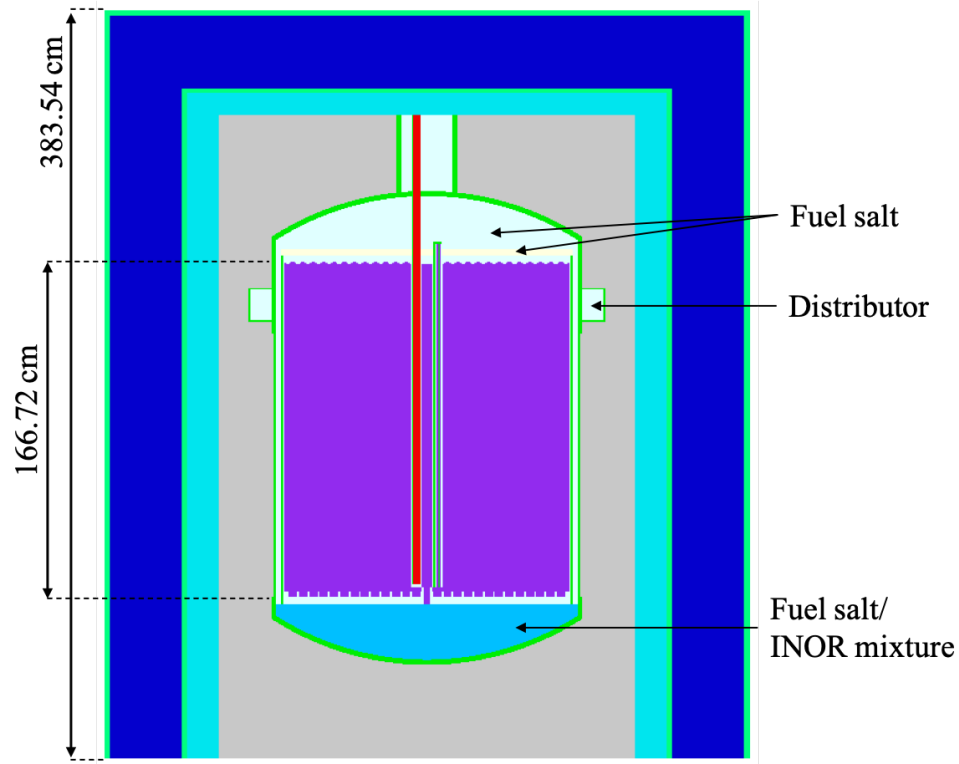
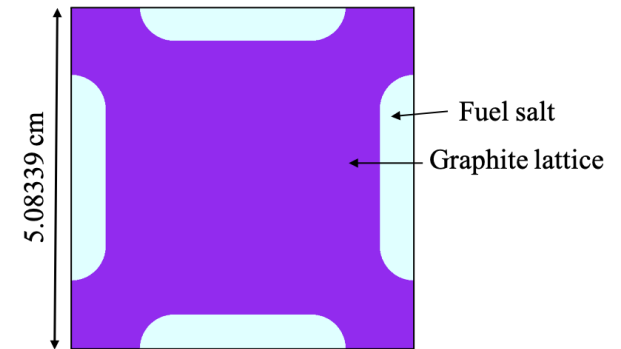


# Molten Salt Reactor Experiment



- Molten salt reactor built at ORNL and operated between 1965 and 1969
- Purpose: demonstrate key features of the molten-salt liquid-fuel reactor concept and to prove the practicality of the MSR technology.
- The zero-power first critical experiment with  $^{235}\text{U}$  was recently evaluated and included as a benchmark:  
*International Reactor Physics Experiment Evaluation Project (IRPhEP) Handbook*  
 Edward S. Lum, et al., NEA/NSC/DOC(2006)1, MSRE-MSR-EXP-001, CRIT



**Graphite "stringer" (unit cell)**