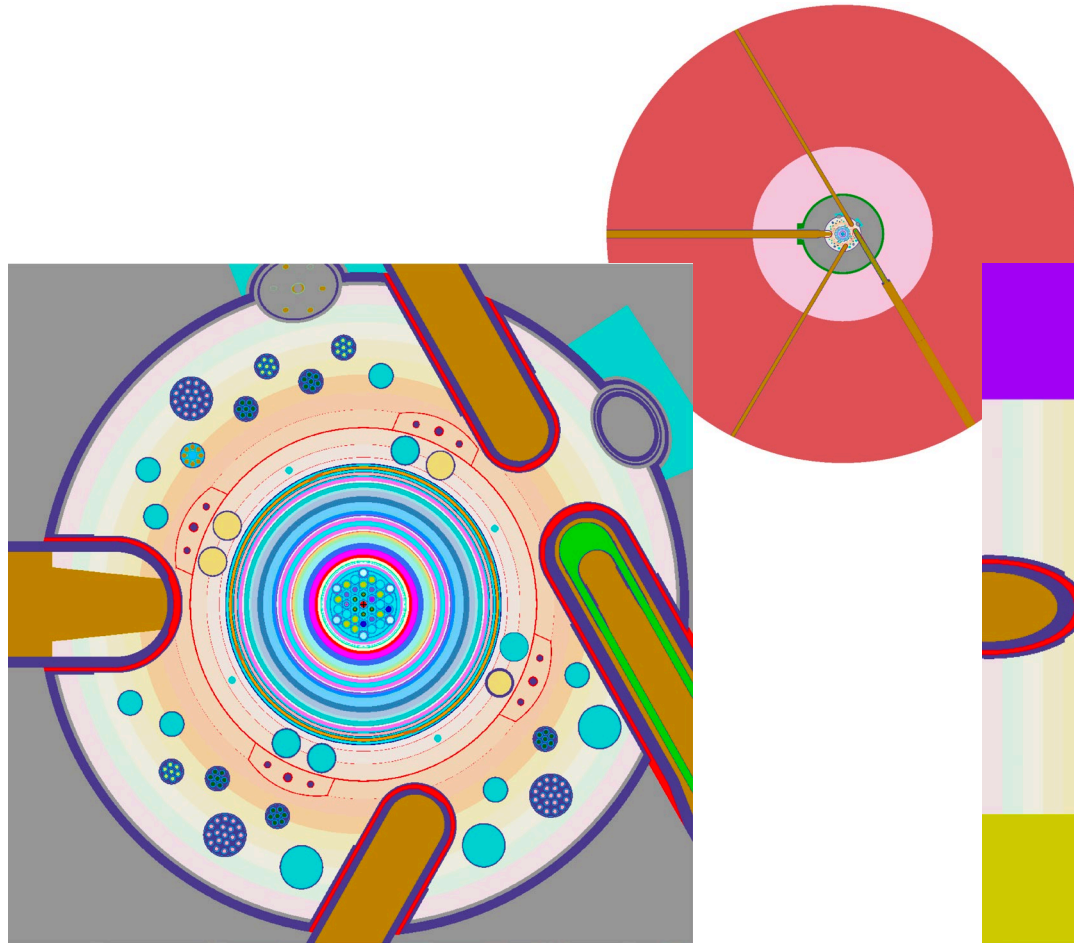
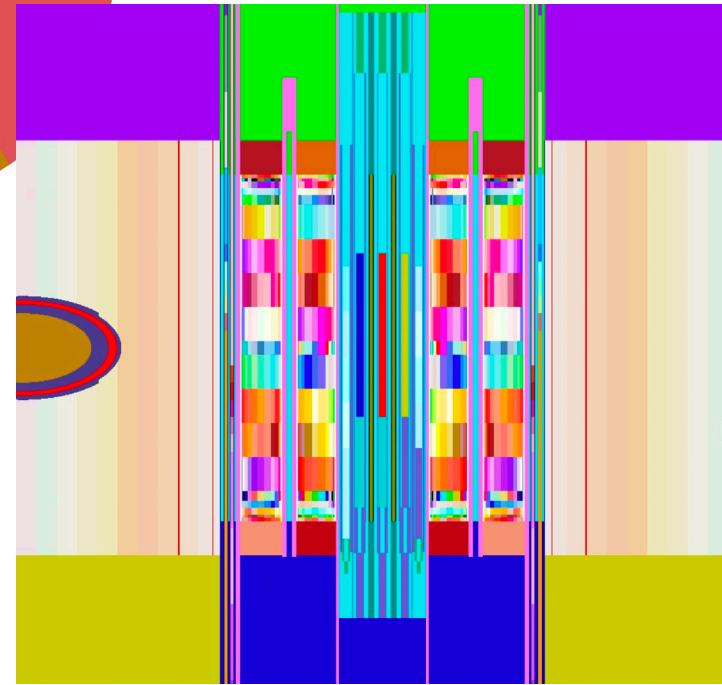


# High Flux Isotope Reactor (HFIR) Representative Model with Simplified Fuel Modeling



Radial view at reactor midplane

Full-core HFIR 3D model with detailed experiment loading modeling and simplified representation of the fuel elements



Axial view detail

HFIR SCALE model ref: N Kaffezakis, B. Betzler, G. Ilas, "Automated Conversion of MCNP, SCALE and Serpent Input Geometries (AMASS)", ORNL/TM-2020 (in preparation)

HFIR MCNP model ref: D. Chandler, B. Betzler, G. Ilas, E. Sunny, "Modeling and Depletion Simulations for a High Flux Isotope Reactor Cycle with a Representative Experiment Loading", ORNL/TM-2016/23.  
<http://info.ornl.gov/sites/publications/Files/Pub60920.pdf>