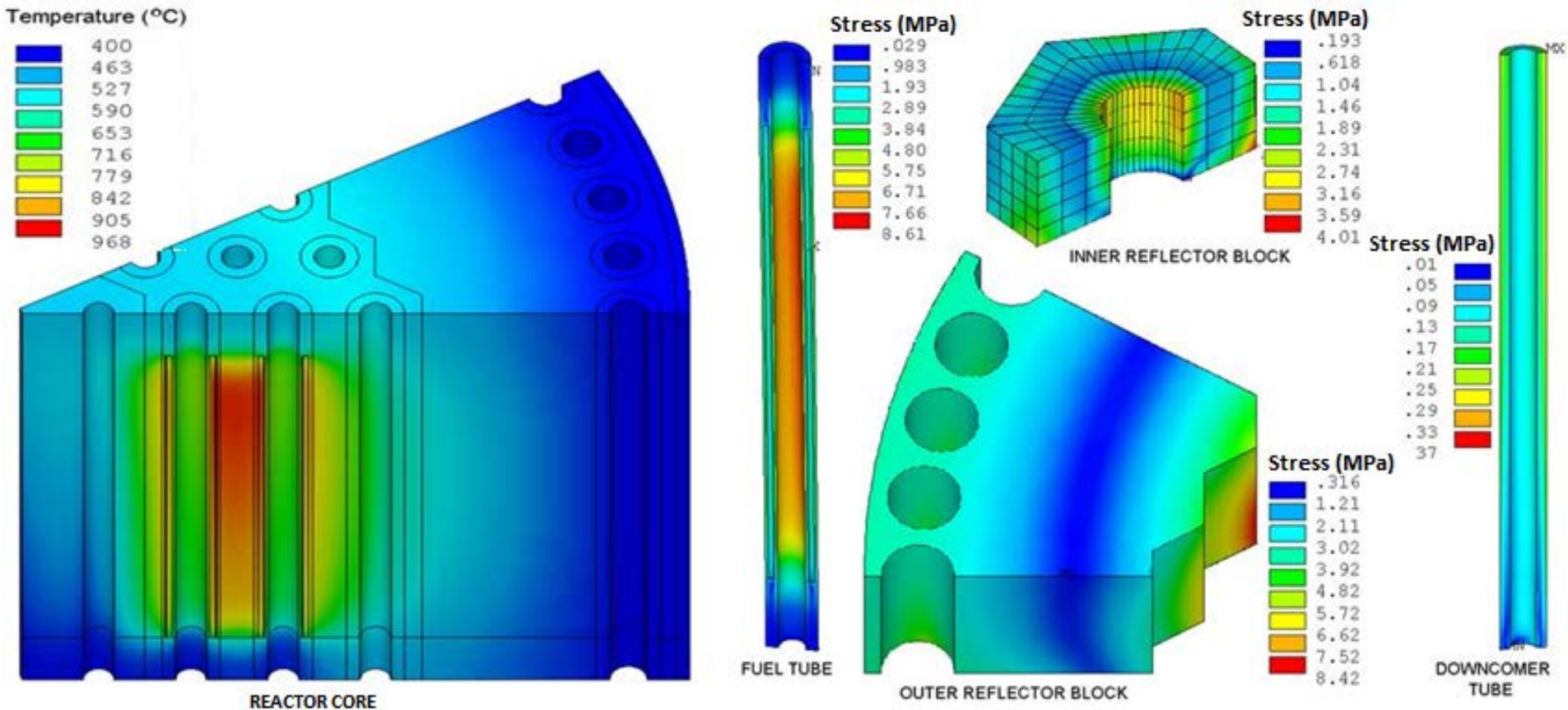


Thermal and structural design of core internals of CHTR-B



- ❖ Steady state 3D FEM analysis of the CHTR-B core under normal operation
- ❖ The components subjected to most severe loadings were assessed as per ASME BPVC Sec. 3 Div. 5 guidelines for design loads under non-irradiated conditions
- ❖ Combined equivalent stresses were compared with allowable stresses, determined from material reliability curves.
- ❖ The stresses were found to be in code limits for all the components.