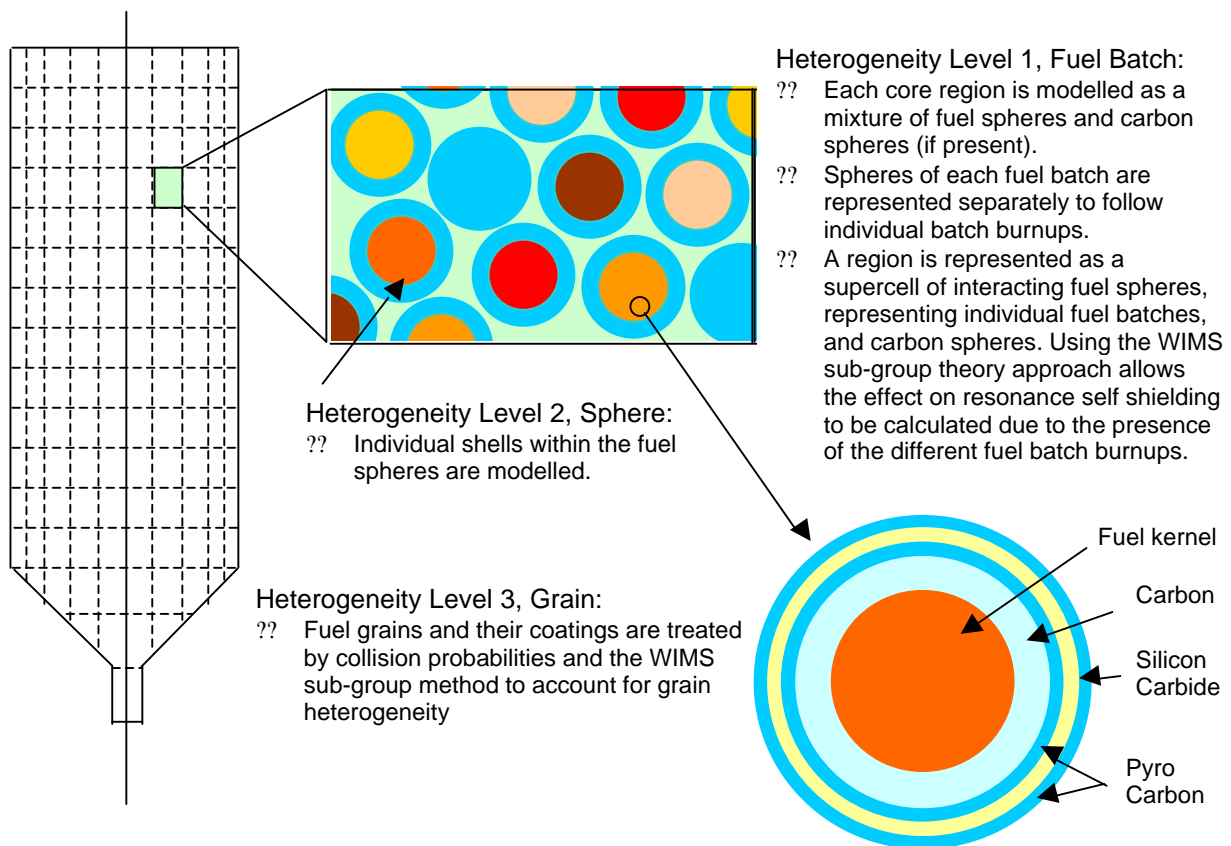




WIMS Reactor Physics Software PBMR Modelling Capability

The current WIMS code is the latest generation of this internationally known code and as such combines reactor physics methods (both deterministic and Monte Carlo) developed over 30 years. Recent developments, based on an updated particle fuel treatment developed for the DRAGON HTR reactor, allow a sophisticated modelling of the Pebble Bed Modular Reactor (**PBMR**).

Resonance self shielding of the nuclear cross-sections includes the effects of **triple** heterogeneity:



WIMS has a specific fuel management code for the PBMR.

