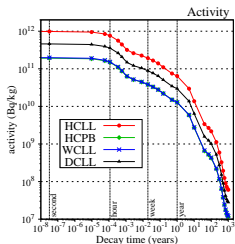
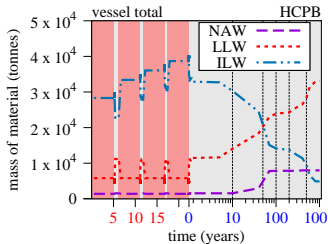


Activation and Waste classification studies for DEMO

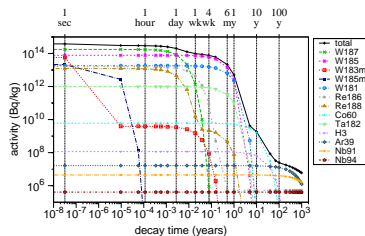
- Combined inventory and neutron-transport simulations for four different European DEMO-blanket concepts in a fixed reactor geometry



component-averaged vacuum vessel activity



waste classifications of entire vessel in HCPB concept



component-averaged radionuclide contributions to HCPB divertor armour activity

- reveal differences in shielding performance
- evolution of nuclide inventories demonstrate that minor impurities can be significant for activation
- waste classifications show that the VV and in-vessel regions remain intermediate-level waste (ILW) for several decades after shutdown before cooling to low-level waste (LLW)