Integral concept on plasma facing materials in nuclear environment at FZJ

- Development and integrated characterization of thermo-mechanical and physical-chemical properties of neutron irradiated and toxic plasma facing materials under high heat loads and plasma exposure
- Focus on material optimization for plasma-material interaction processes (tritium retention, embrittlement, erosion)

JUDITH electron beam facilities for high heat loads

JULE-PSI linear plasma device (in construction for HML)

PSI-2 linear plasma device (operational outside HML)