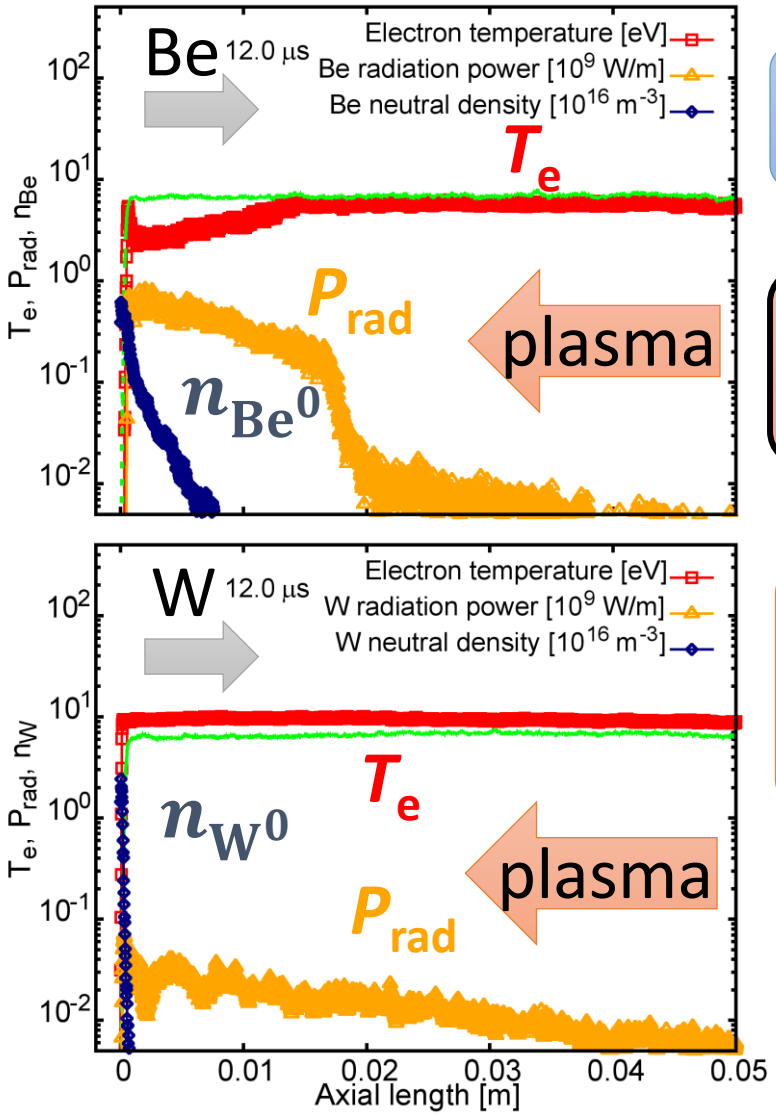
PIC simulation for the vapor shielding

paper title: Particle simulation of plasma heat-flux dissipation by evaporated wall materials



T_e drop during Be vapor ejection was indicated in PISCES-B experiments.

PIC simulation shows an effective T_e drop with Be vapor but W.

Light Be goes further than ***heavy*** W. Thus its larger radiation volume cools down the plasma effectively.

Simulation results of the ELMy plasma condition at a fusion reactors are also presented.