

Summary Slides

This work focus on a neutronic analysis of the different materials used in a Tokamak based on monte carlo simulation. Also, aims to analysis the flux changes if a transmutation layer is added in a typical Tokamak. The results will help to understand the importance of the different materials behavior under neutron irradiation produced by D-T plasmas. The cross-section of each material is presented for a Tokamak and fusion-fission system, as well as, its corresponding neutron spectrum and variation for each case with and without transmutation layer.