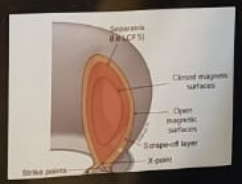
STUDY OF HEAT DEPOSITION ON THE FIRST WALL OF TCABR

With the modernization of the TCABR tokamak, it was necessary to improve the first wall of this equipment. For the improvement, the MHD model will be used, which will still be adapted for the specific objectives of this project. Basically, around the Strike Points (SPs), which are the points where the plasma interacts with the tokamak wall, it is necessary to study the heat flux profile and optimize it with computational assistance, in which the PSD code will be used in order to create a set of synthetic kinetic MHD equilibria. In addition, the heat flux in all Strike Points for various magnetic configurations will also be calculated, all this in order to guarantee the best operating condition of the tokamak.



TCABR WILL BE IMPORTANT FOR THE DEVELOPMENT OF NUCLEAR FUSION, BECAUSE WITH IT WE WILL BE ABLE TO MORE EASILY STUDY CERTAIN CHARACTERISTICS OF THE PLASMA.

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