
UDY OF HEAT DEPOSITION
THE FIRST WALL OF TCABR
n the modernization of the TCABR tokamak, it was
sary to improve the first wall of this equipment. For
improvement, the MHD model will be used, which
ll still be adapted for the specific objectives of this
ject. Basically, around the Strike Points (SPs), which
re the points where the plasma interacts with the
okamak wall, it is necessary to study the heat flux
file and optimize it with computational assistance, in
ich the PSD code will be used in order to create a set of
ynthetic kinetic MHD equilibria. In addition, the heat
flux in all Strike Points for various magnetic
nfigurations will also be calculated, all this in order to
uarantee 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.
RESPONSABLE: LUCAS PORTA
ADVISOR: GUSTAVO CANAL
INFIERI
USP
JAS
OPTICA
USP
DEVELOPMENT OF AN ELECTRON SPECTROMETER FOR ENERGY
CARACTERIZATION OF LASER-ACCELERATED ELECTRON
OBJECTIVE
LASER PARTICLE ACCELERATION
ELECTRON SPECTROMETER
ELECTRON PROPAGATION
OPTICAL SYSTEM
RESULTS