

Study HHFW coupling and heating with reversed B_T and I_p XP ##

HHFW, designed to drive current and heat the plasma in NSTX, has not performed as well as theory predicted, so far.

From previous experiments coupling has emerged as the key element which can make or brake the wanted results. This comes from the fact that as of now we do not have a clear picture how HHFW coupling is in a geometry were there is a big angle between antenna straps and field lines. This is complicated by the fact that the antenna spans a quarter of circumference of the vessel.

----- need discussion with the group-----

Possible fields configurations

