

The more I think about the coming run, the more I fear that we will not be able to sort out where the power goes in a single day.

As I said, I propose to do a power scan in the hope to see the heating efficiency decrease as the PDI threshold is passed and document which fraction of the power goes into surface waves (probes,  $D_{\alpha}$ , radiated power) as a function of RF power. Looking also at a threshold for MHD and consequent decrease of heating efficiency (increase of  $D_{\alpha}$  and radiated power?)

Since I am dubious that will get a day for the reverse fields experiments, I propose that we try to trade it for a regular day.

The experiment with both reversed fields can be done in piggyback: after all the main thing that we need to know is if there is a symmetry or not.

If we found that things change reversing only one field, we would need a complete new campaign to understand it: half a day will not tell us that things are really different.