Absorption of fast waves by hydromagnetic waves is given as a function of the magnetic field strength, where the absorption is more pronounced for higher field strengths.

RHOBHYS in MST-SETH: In the context of the above analysis, the absorption of the fast waves is maximal in the regions of the magnetic field where the abscissa is close to the magnetic field axis.


twin-shear model for the fast waves, where the absorption is more pronounced for higher field strengths.

Magnetic field strength as a function of the distance from the magnetic axis, showing the absorption of the fast waves is maximal in the regions of the magnetic field where the abscissa is close to the magnetic field axis.

Localized MHD Dynamo Measurement on Axis

On Axis Dynamo During Quasistatic State:

The localized MHD dynamo on axis during quasistatic state is measured by looking at the signals (r, t) in the UCL measurement.

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