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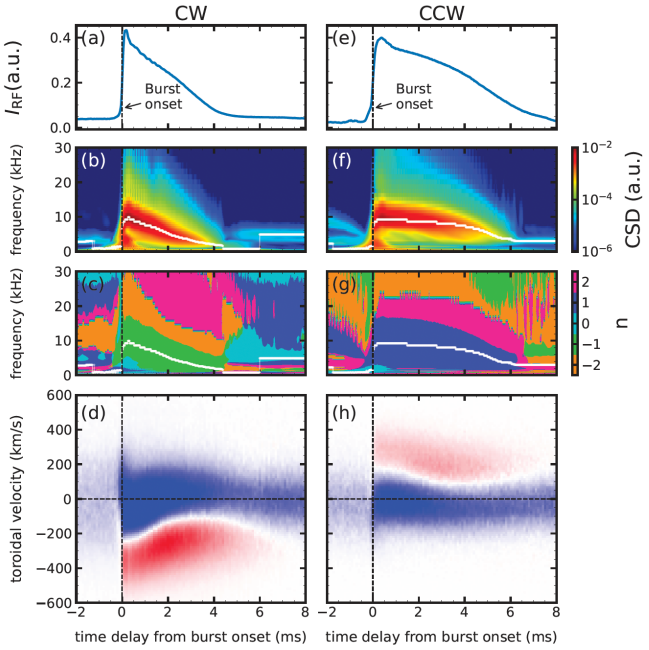

Cover

In the Large Helical Device (LHD), we simultaneously observed the propagation of energetic-particle-driven MHD bursts and velocity-space distortions associated with Landau damping. When the magnetic field direction was reversed from clockwise (left column) to counterclockwise (right column), the propagation direction of the MHD bursts was found to reverse, as shown by the time evolution of the toroidal mode number (c, g). Correspondingly, we demonstrated that the resonant velocity associated with Landau damping also reversed, based on the velocity-distribution distortions measured by fast charge-exchange spectroscopy (d, h).
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