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The Relation between type II Radio Burst and Streamer-CME/Flare Interaction

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Solar Radio burst occures with flare of Coronal Mass Ejection(CME), and is classfied with freqency and timescale, and each type has defferent information. Type II radio burst occures when shock wave from flare or CME excites electron and electromagnetic wave occures with the plasma freqency. Type II burst has information of coronal shock wave. Cho et al(2008) suggested that type II burst occures not only from shock wave propagation to tha radial direction but also the interaction between CME and streamer. And at ASJ 2010 autumun anual meeetig, we suggested that the derection of shock wave propagation is associated with appearance of type II burst. We reserch the occurrence of type II burst with MHD simulation. The viewpoint is interaction between streamer and flare or CME, and direction of propagation. We are going to report this analysis.

Keywords: flare, Coronal Mass Ejection, Type II Radio Burst, Streamer