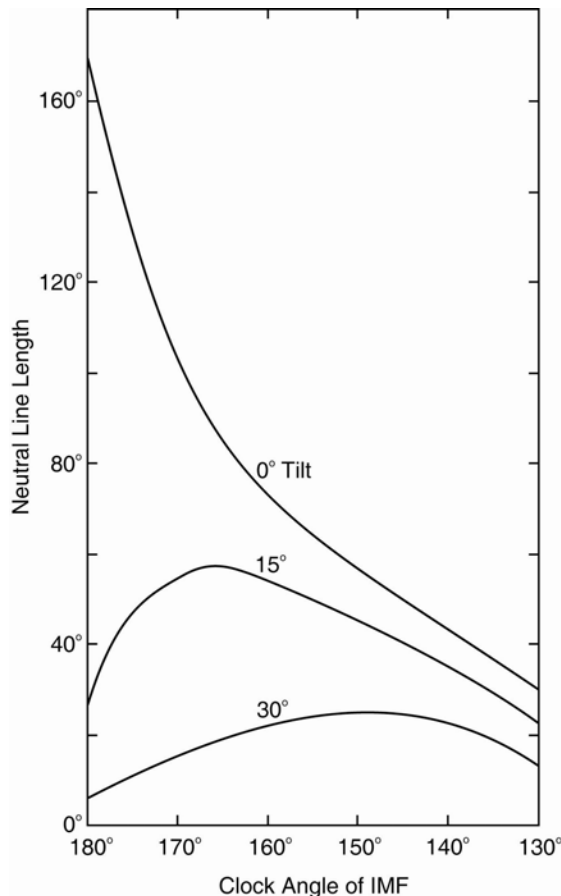




What Determines when Reconnection Turns on in the Solar Wind, at a Magnetopause and in a Magnetotail

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SHINE-GEM Session 5: What Determines When Reconnection Turns On?
Chromosphere, Corona, Solar Wind, Magnetopause, and Magnetotail



- Magnetospheres provide two different geometries for approaching the onset of rapid reconnection: reorienting tangential discontinuities and stretching tails
- Solar wind has much slower reconnection, punctuated by fast reconnection spots
- Tails of Jupiter and Saturn illustrate clearly the rapidity of reconnection in very low beta conditions