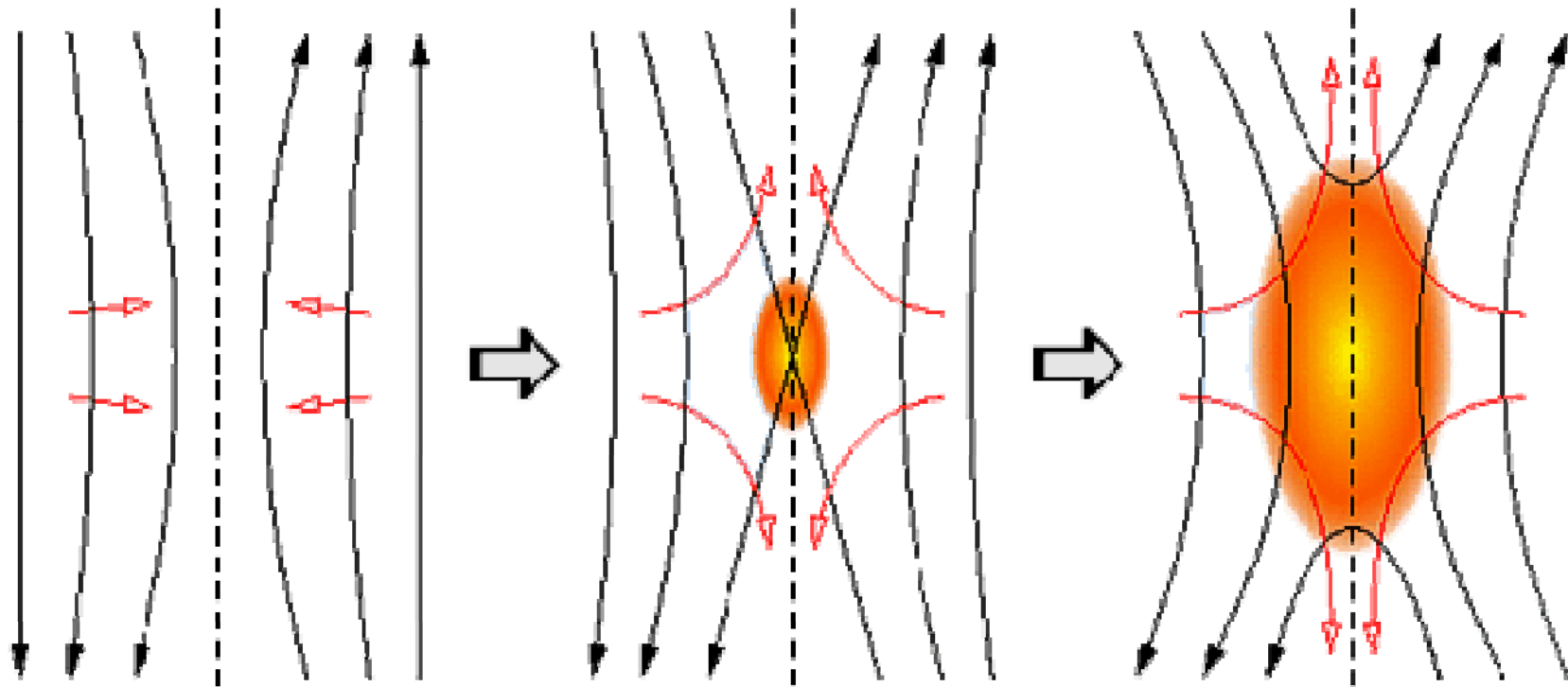
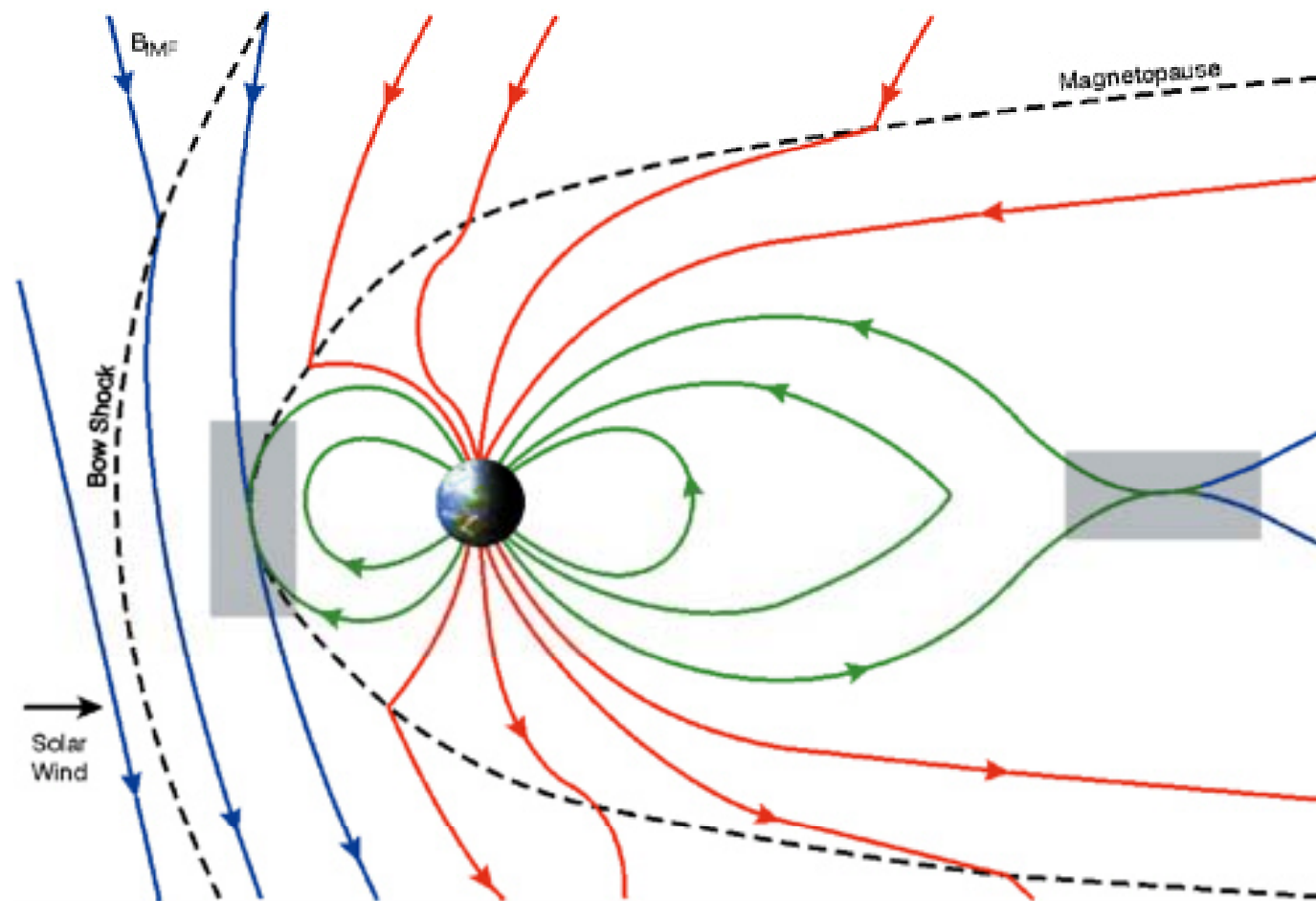


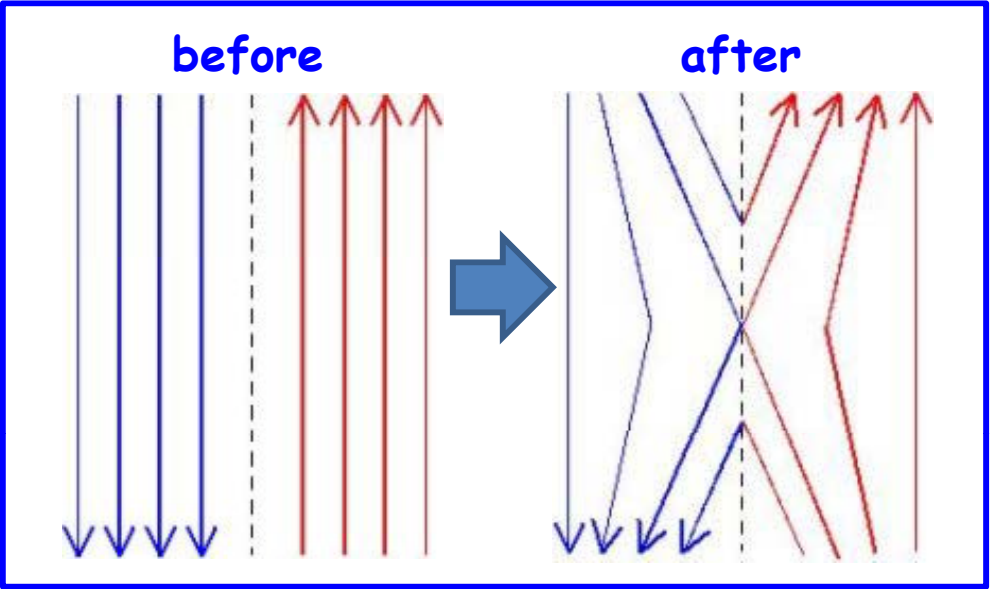
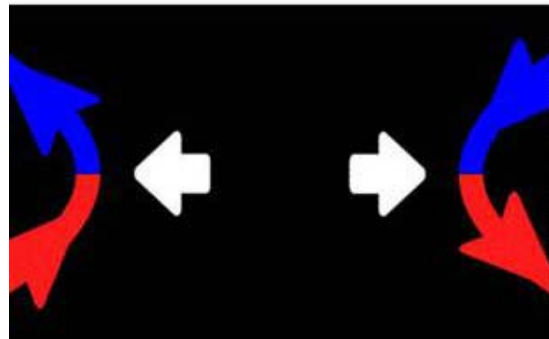
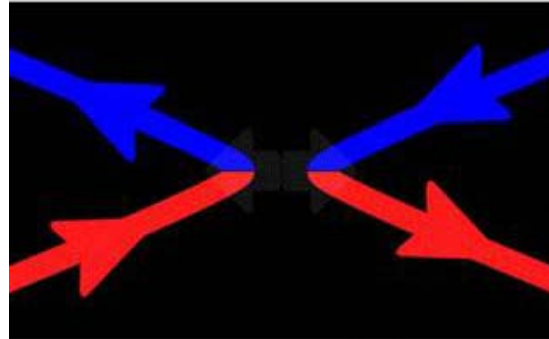
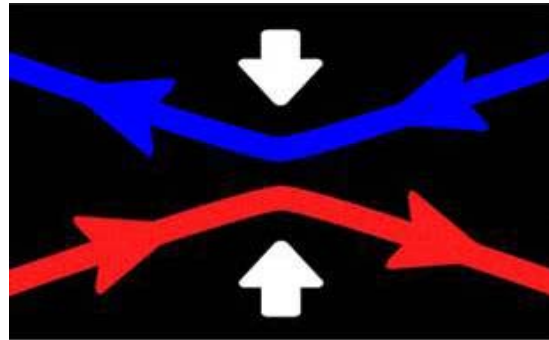
Magnetic Reconnection (磁重聯)

magnetic free energy \longrightarrow particle kinetic energy





southward IMF



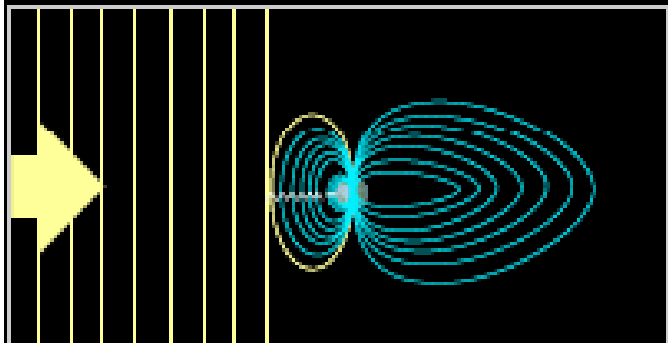
<http://www.nap.edu/books/0309092159/xhtml/images/p2000a12bg23001.jpg>

http://msnbcmedia3.msn.com/j/msnbc/Components/Photo_StoryLevel/080206/080206-magneticreconnection-hmed-10a.grid-4x2.jpg

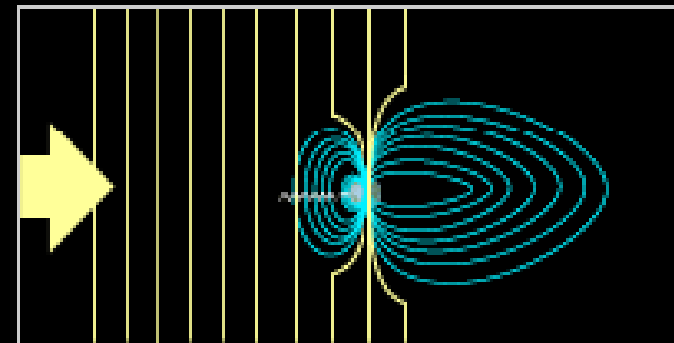
Solar wind's magnetic field

Earth's magnetic field

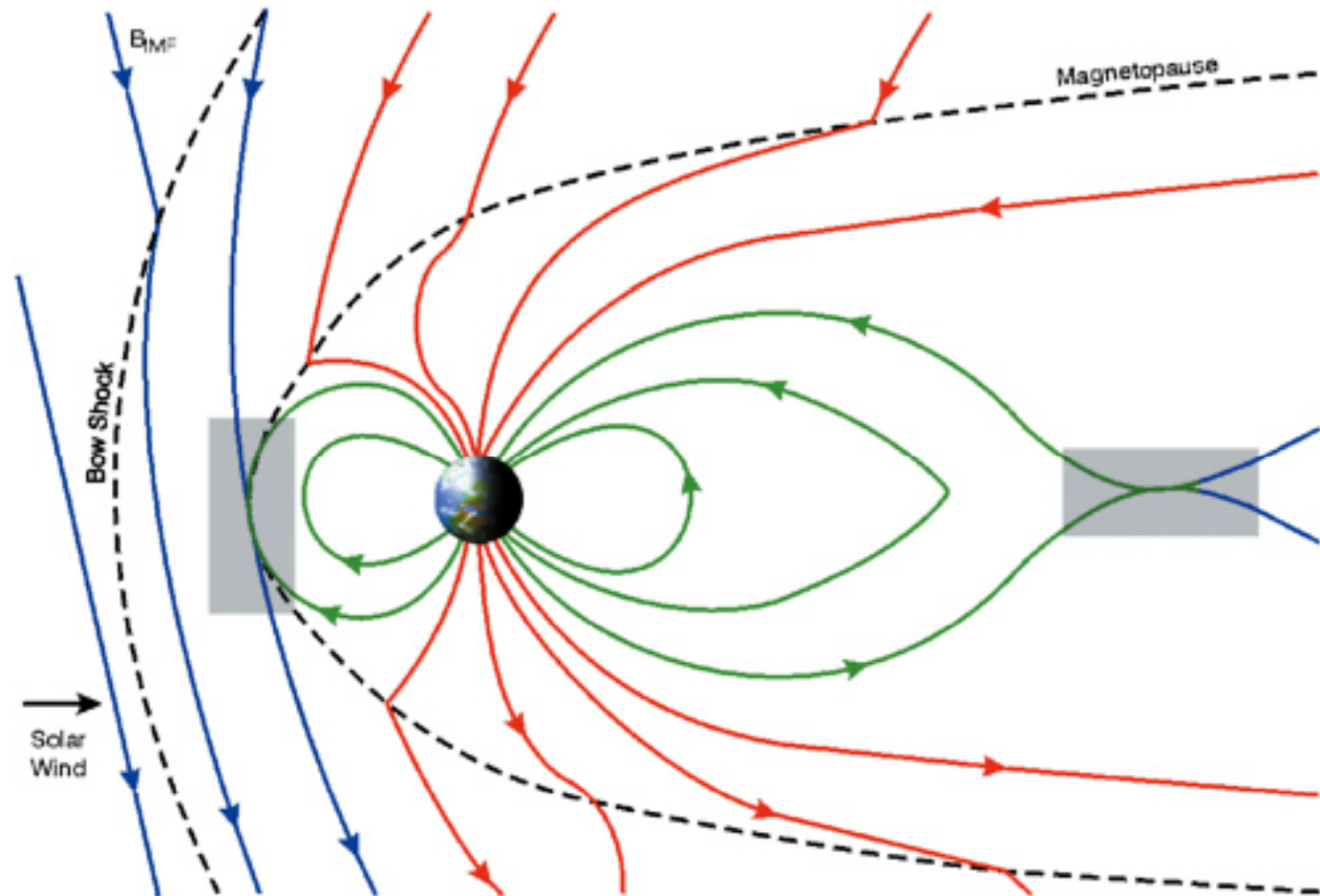
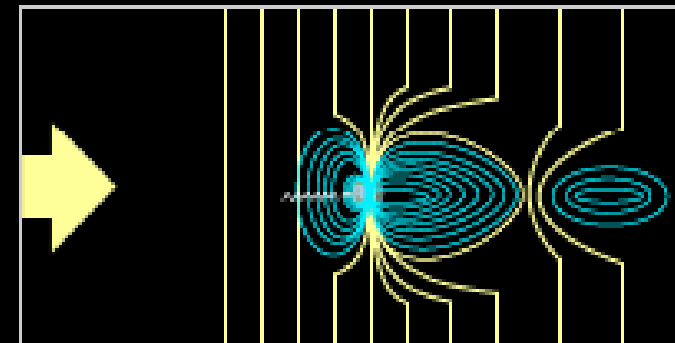
1



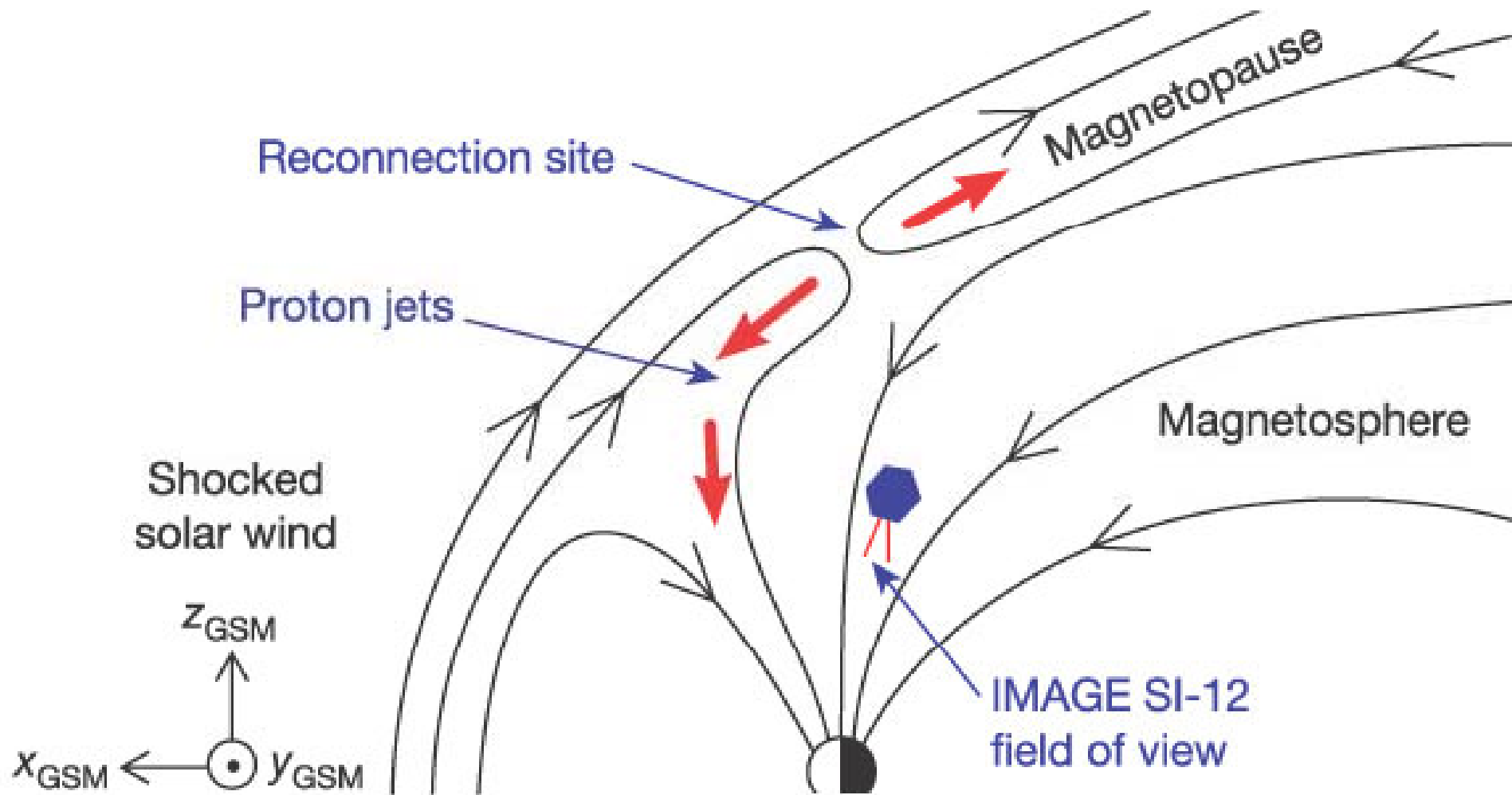
2



3

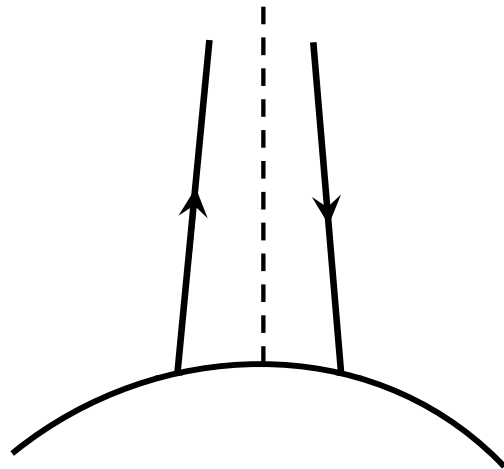


northward IMF

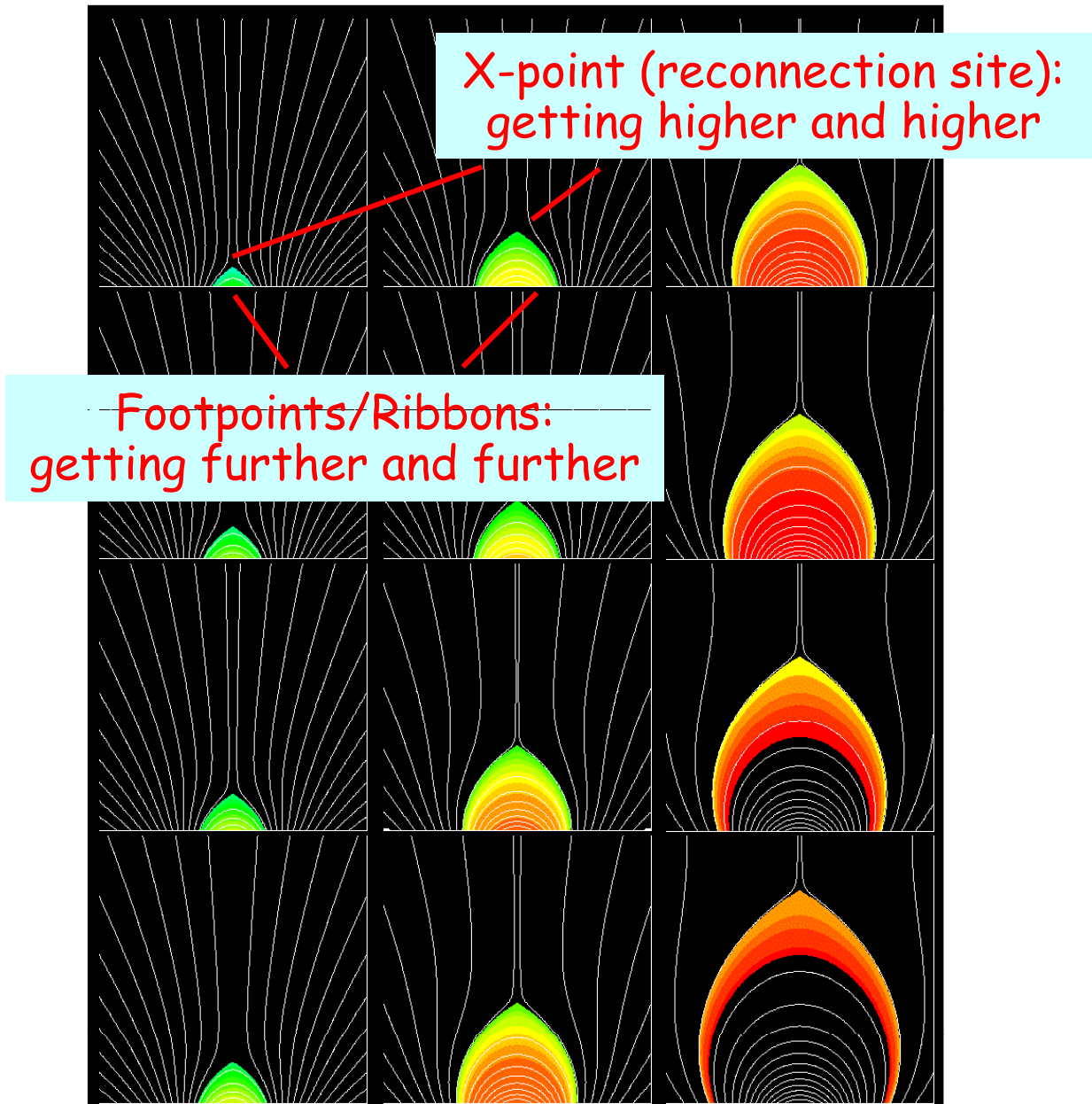
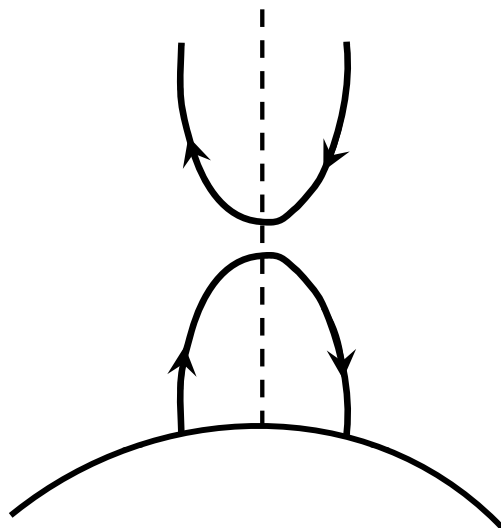


Magnetic Reconnection

before reconnection



after reconnection



Magnetic Reconnection

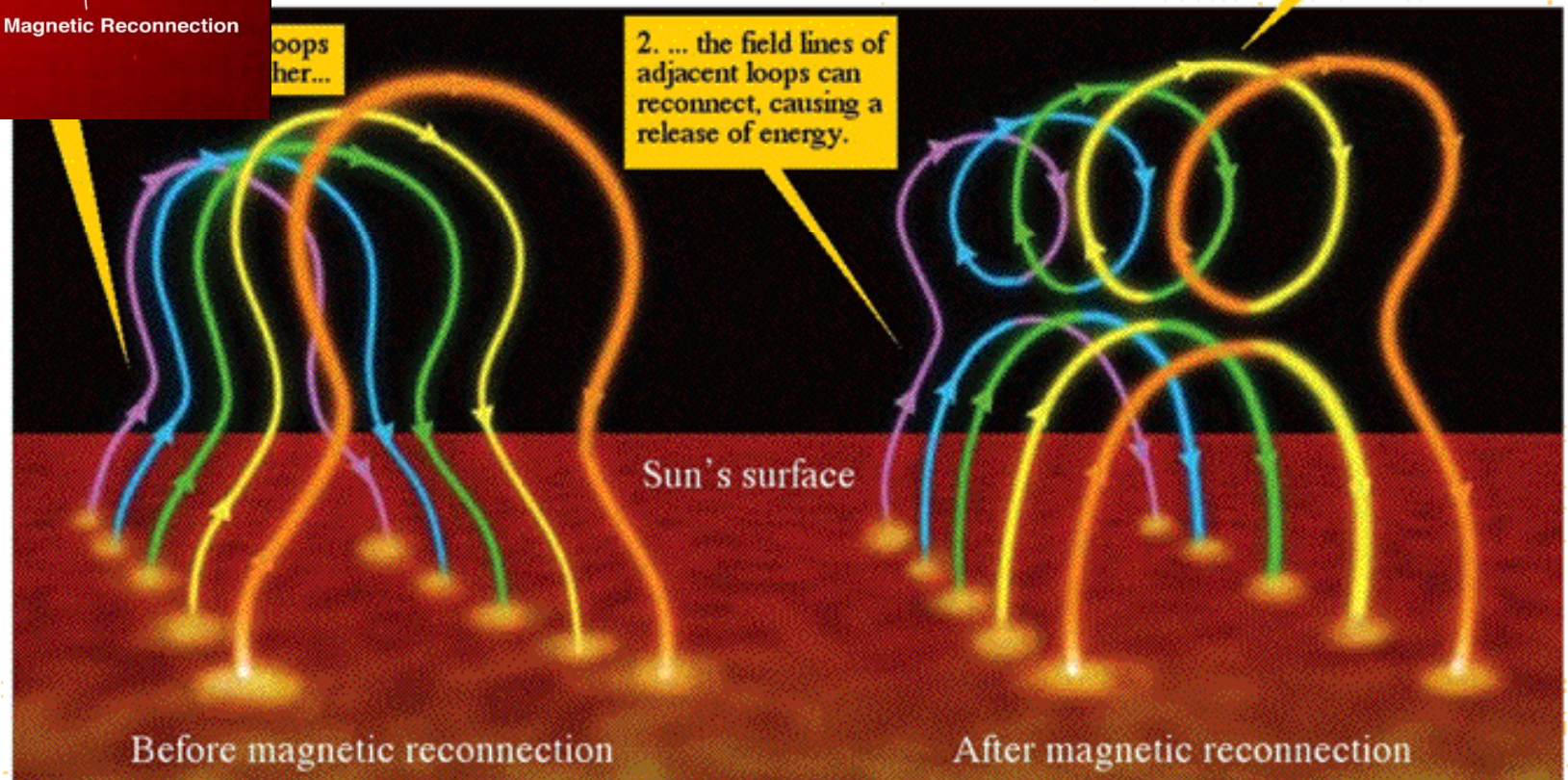
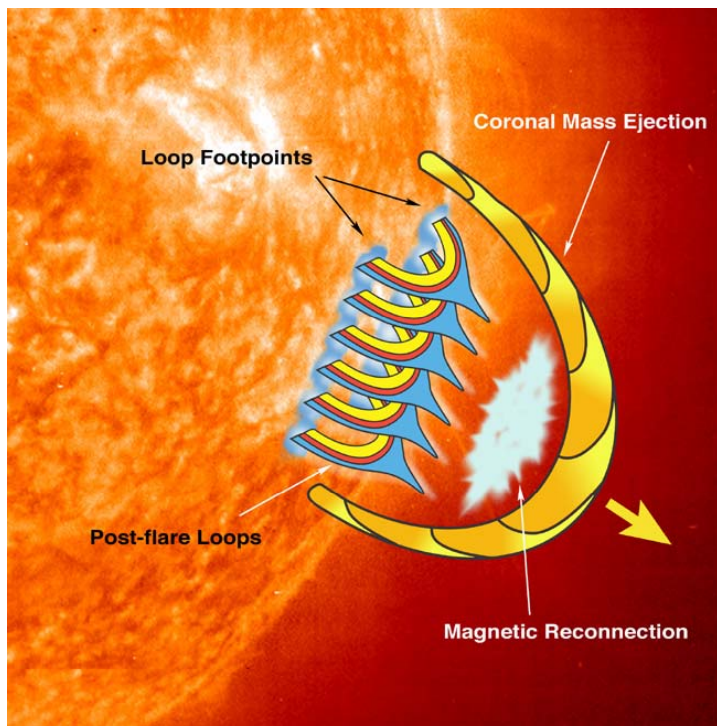


Figure 16-25b
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