

## **Relationship between Macro and Micro Physics in Collisionless Driven Reconnection**

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Magnetic reconnection is controlled by multi-scale physics from microscopic physics relating to electron and ion dynamics through macroscopic one such as plasma transport in a global scale. Long time scale evolutions of collisionless driven reconnection in open systems are investigated using PIC simulation code called "PASMO". If some condition is satisfied, collisionless driven reconnection evolves into a steady regime in which reconnection rate is balanced with flux inflow rate from an external region [1,2]. In other words, microscopic physics to trigger collisionless reconnection evolves so as to adjust its condition to an external macroscopic physics. In my presentation I will discuss how microscopic triggering mechanism of collisionless reconnection evolves under the influence of an external driving source [3,4].

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