



Plasma jet deflection in the near Earth magnetotail

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Using multi-point observations obtained from Cluster data, we study the evolution of the plasma jets for different configurations of the current sheet. Particularly, we examine how the plasma jet deflects during its propagation by analyzing events from different condition of the current sheet, i.e. thin/thick current sheet, near-Earth region, and near reconnection region. We compare and contrast the flow deflections in a dipolar region where flow bouncing/braking occurs and those in the vicinity of the reconnection jets to understand the general interaction of the high-speed plasma with the ambient plasma in the near-Earth magnetotail.