

# **Magnetic Reconnection in Chromospheric and Coronal Jets**

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Solar jets are typical phenomena in the solar chromosphere and corona. They are driven by magnetic reconnection, which converts stored magnetic energy to bulk kinetic, thermal, wave and particle energy. However, fundamental physics of this energy release has not been revealed. Recently we had a challenge to reproduce solar jets and investigate fundamental physics with laboratory experiments. In this talk, I would like to introduce our results of the experiments, comparing with recent observations of jets by *Hinode* and SDO.