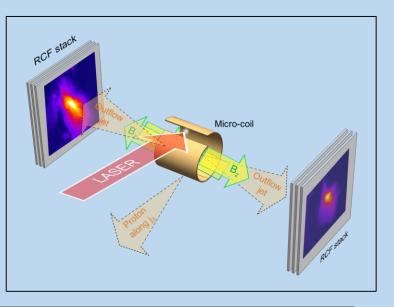
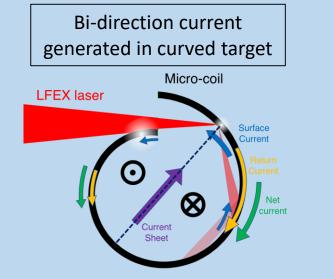
## Magnetic reconnection experiment by intense laser irradiation of curved target inner surface

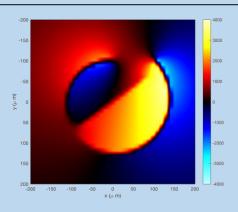
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- > In LFEX magnetic reconnection experiment by curved target, reconnection plasma with electron magnetization  $\sigma_{e} \sim 100$  is produced.
- In experiment, a pair of reconnection jets are observed and power-law spectra is observed.
- Hard power-law slope is observed in electron spectrum, which supports theoretical model in galactic X-ray source that suggests jet contribution in hard state emission.





Experimental characterized magnetic field map



## Experimentally measured reconnection jet spectra

