



## **On the observation and extrapolation of twist magnetic flux rope in a blowout jet**

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We investigate the evolution of a blowout jet at AR11513. Aided by the forced field extrapolation, we find a twist magnetic flux rope (MFR) at the bottom of the jet before the eruption. After the eruption, the MFR disappeared and left potential-like field and open field. The MFR with twist number  $T=-1.5$  matches well with the light up structure observed by all AIA wavelength, which indicate the blowout jet is the result of the eruption of twist magnetic flux tube. Further analyses are needed to study the trigger mechanism of the eruption.