

## Are Jets CMEs?



Hsiu-Shan Yu, Bernard V. Jackson, Andrew Buffington, and P. Paul Hick

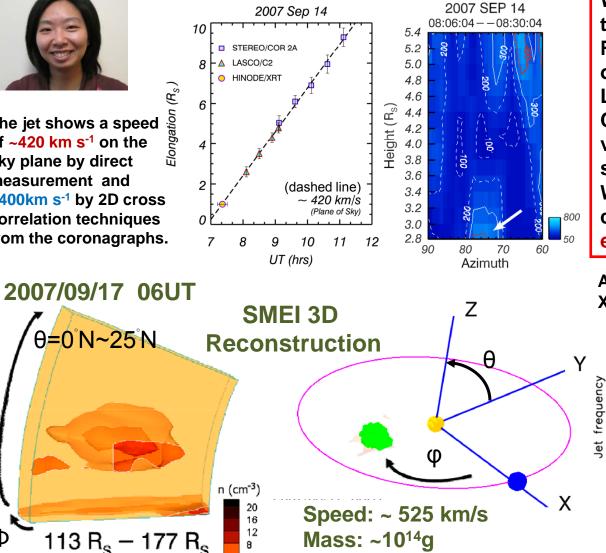
**Cross Correlation** 

Center for Astrophysics and Space Sciences, University of California, San Diego 9500 Gilman Drive #0424. La Jolla. CA 92093-0424. U.S.A; E-Mail: hsyu@ucsd.edu; Tel: +1-858-534-0179



The jet shows a speed of ~420 km s<sup>-1</sup> on the sky plane by direct measurement and >400km s<sup>-1</sup> by 2D cross correlation techniques from the coronagraphs.

=66°E~72°E



Energy:~10<sup>29</sup>ergs

Direct measurement

We have tracked the response to three particularly large X-Ray jets from the *Hinode* XRT observations through the LASCO **STEREO C2** and COR2A coronagraph fields of view and into the SMEI data set during September 2007. We obtain that the iets contribute ~5% mass and ~2% energy to the solar wind.

## A spectrum for the intensity of the 848 X-ray polar jets observed by *Hinode*.

