

Bent Flux Rope of the 23 March 2024 CME Revealed with Multi-spacecraft In Situ Reconstruction using HeXCor and WSA+GAMERA

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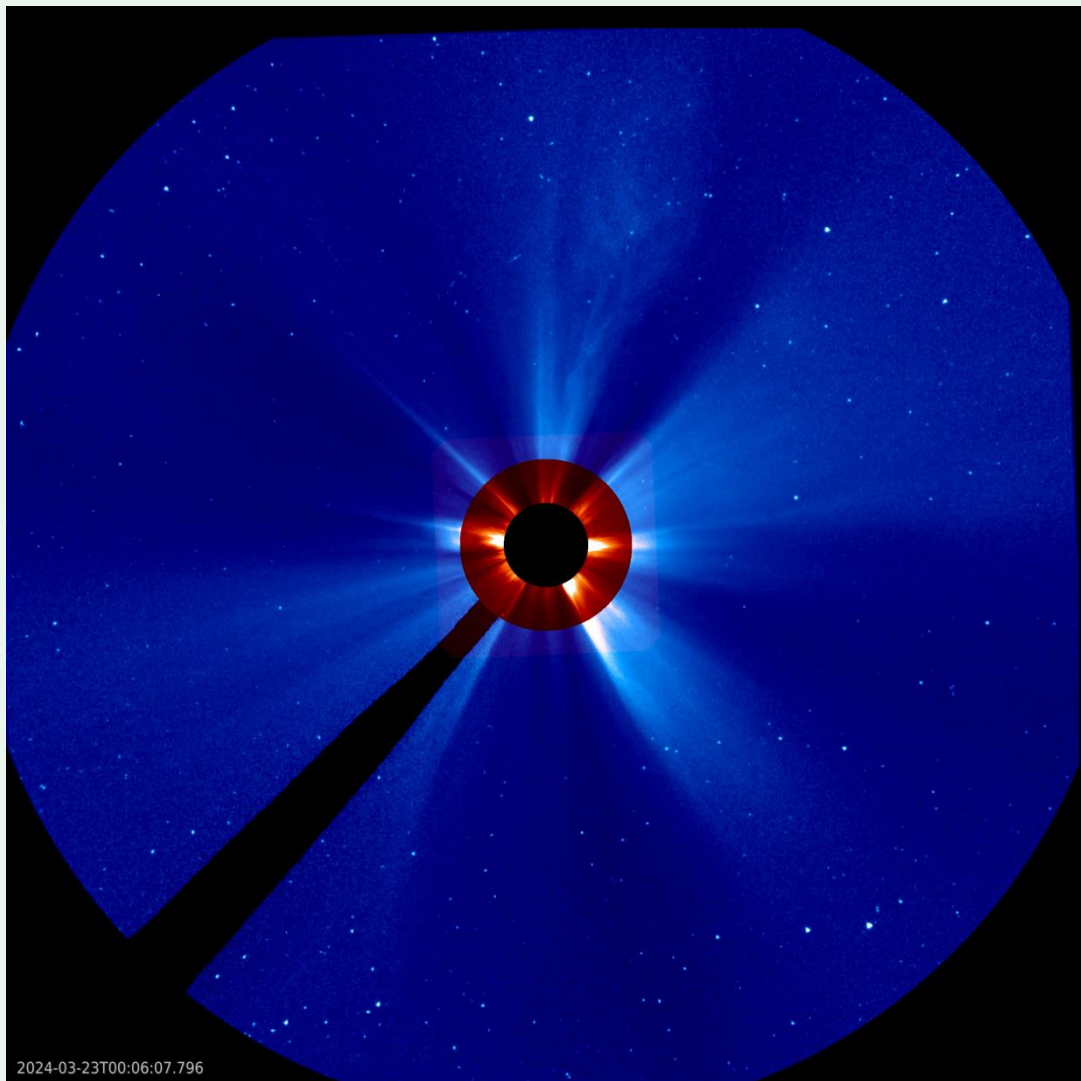
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(3) NASA Goddard Space Flight Center, Greenbelt, MD, USA

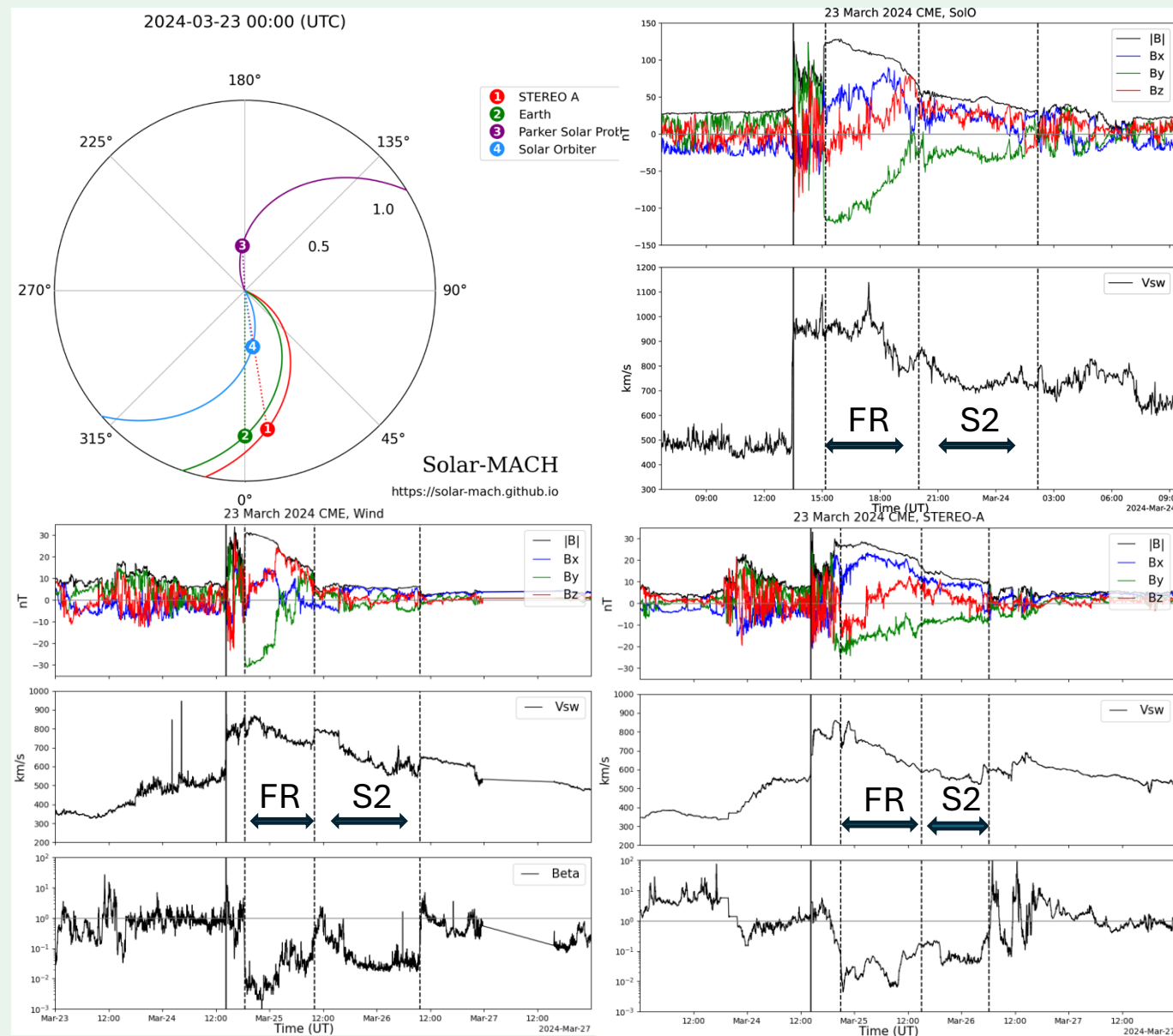
(4) Catholic University of America, Washington D.C., USA

PUNCH-7 Meeting, SwRI, Boulder, CO, 13 May 2026

23 March 2024 CME



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HeXCor Reconstruction

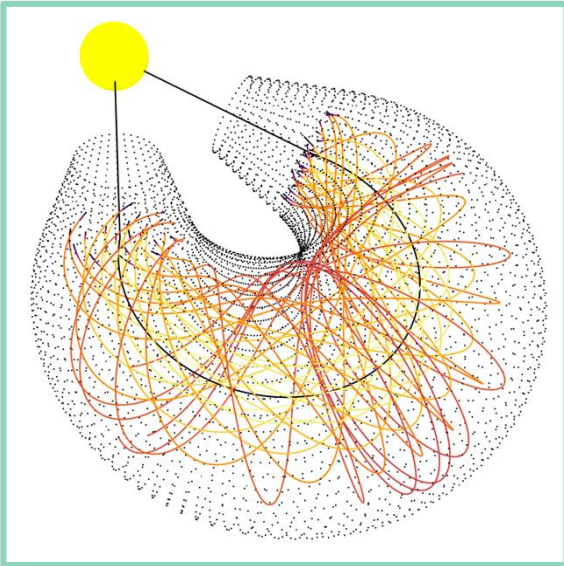


Figure: HeXCor model structure.

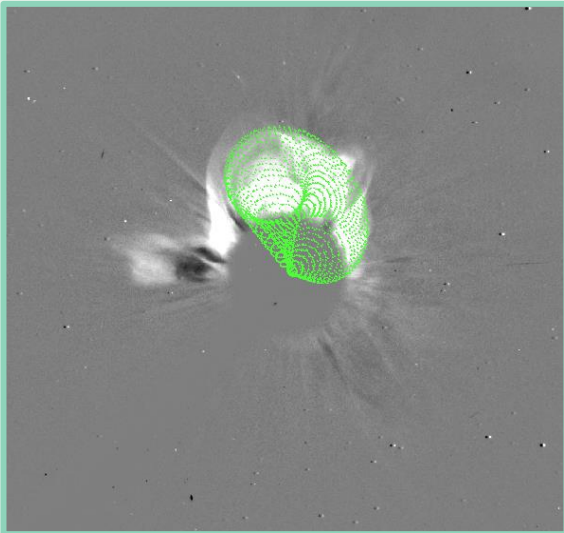
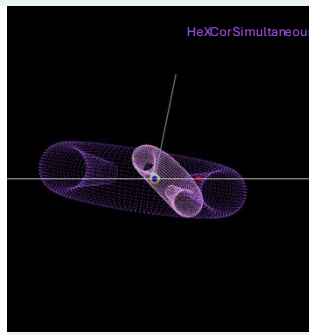
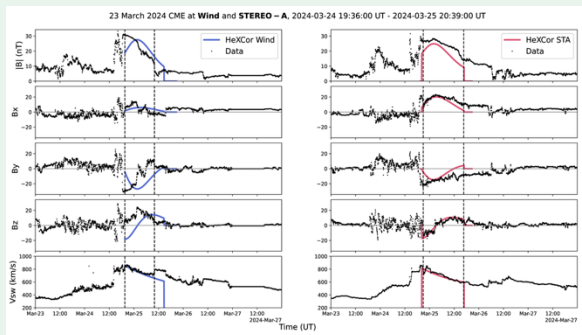
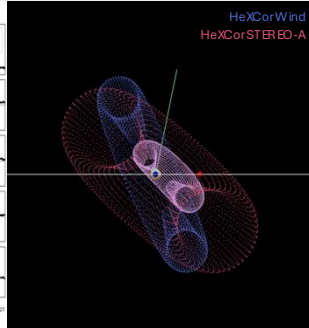
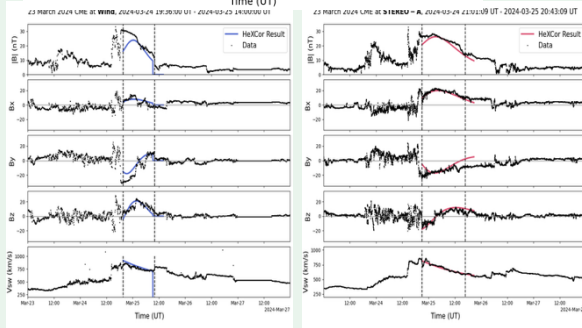
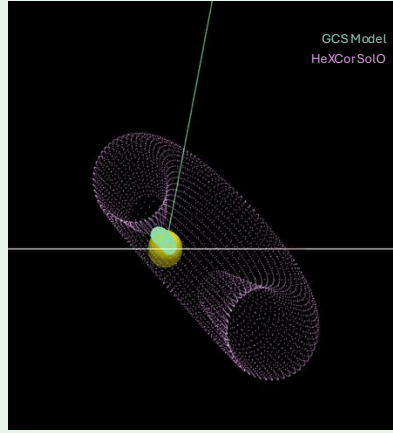
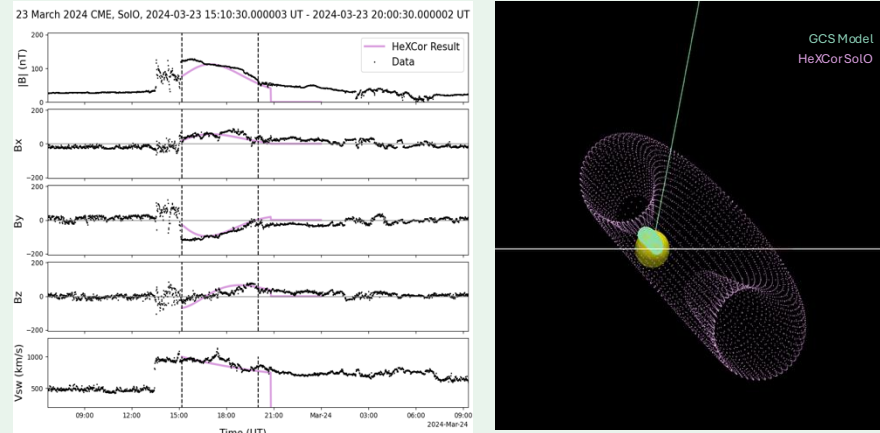


Figure: GCS overlaid on LASCO C3.



WSA+GAMERA



Dupertuis et. al. 2025, ApJ

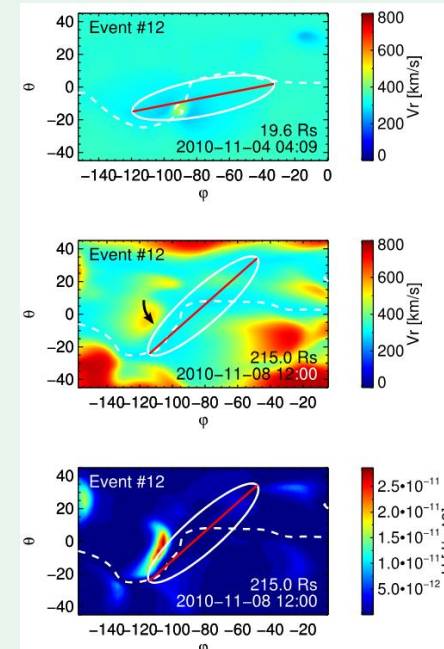


Figure: Isavnin et. al. 2014

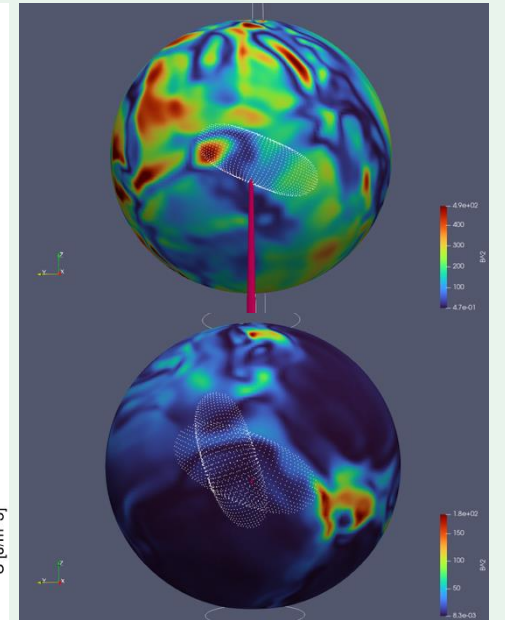


Figure: Magnetic Pressure with HeXCor solutions

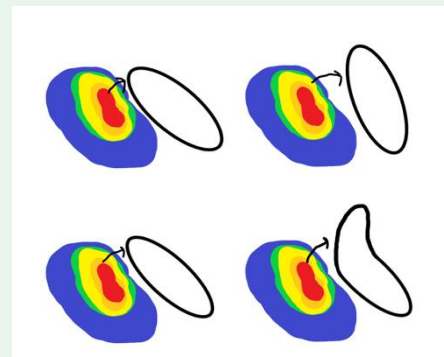
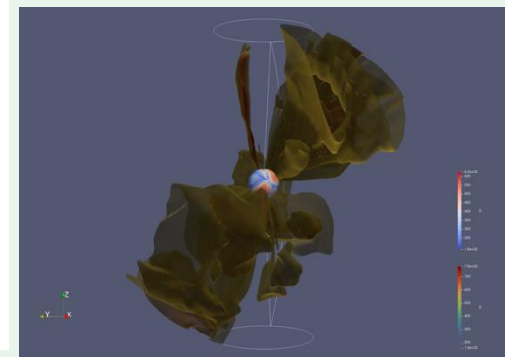


Figure: Cartoon of CME rotation



Video: Fast solar wind >500 km/s