3D Reconstruction of PUNCH radial structures with the CROBAR Method

Joseph
Plowman
SwRI
Sarah Gibson, High Altitude Observatory
Marcus Hughes, Southwest Research Institute
Elena Provornikova, Johns Hopkins University Applied Physics Laboratory

Oral

I present an initial application of the Coronal Reconstruction Onto B-Aligned Regions (CROBAR) method to PUNCH polarimetric data. CROBAR was initially developed to capitalize on the field-aligned structure of the lower EUV corona, do it is likewise suited to reconstruct the largely radial structure seen in much of the PUNCH field of view. I will show reconstruction of synthetic PUNCH data provided by the mission team and compare the results to the simulation cubes used to make the synthetic data.I present an initial application of the Coronal Reconstruction Onto B-Aligned Regions (CROBAR) method to PUNCH polarimetric data.

Presentation file

plowman-joseph.pdf

YouTube link

View recording

Meeting homepage

PUNCH 6 Science Meeting

Download to PDF