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ISWAT coronal hole boundary working team

Oral

In this presentation we introduce the activities of the COSPAR International Space Weather Action Team (ISWAT)

which aims at improving the understanding of solar coronal hole boundaries.

The first part of our community activity is an assessment of coronal hole boundaries using several different automated detection methods. We will show how applying these schemes to identify coronal hole boundaries changes derived properties of a coronal hole, like its size, shape and magnetic properties.

We will also discuss the synergies with two other ISWAT teams, the 'Ambient Solar Wind Validation Team' which is carrying out a validation analysis of models of the ambient solar wind where the coronal hole boundaries are a key diagnostic of these models and the 'Sun-Earth/Spacecraft Magnetic Connectivity' working group.

Presentation file

[muglach-presentation.pdf](#)

YouTube link

<https://youtu.be/hW1dVn9JA8I?t=65>

Meeting name

Whole Heliosphere and Planetary Interactions Workshop

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