

2nd Metis Science Meeting



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Search in Metis images for structures related with energetic particle events

^3He -rich particle events were observed during the March 2022 perihelion flyby of Solar Orbiter, (Mason et al 2022, Solar Orbiter nugget-12). Some of these events were found to be related with a large jet emerging from Active Region NOAA 12957, visible on disk center. More energetic particle events were recorded on March the 6 and 18 to 19 by in-situ instruments (Mason et al 2022). In this work we search for possible traces of these events in Metis images. This effort is combined with magnetic field extrapolation using a PFSS potential field approximation, along with codes using other magnetic extrapolation approximations.

Primary author: MICHAILIDIS, Angelos (National and Kapodistrian University of Athens, Research Center For Astronomy and Applied Mathematics of Academy of Athens)

Co-authors: ANDRETTA, Vincenzo (Istituto Nazionale di Astrofisica (INAF)); DAGLIS, Ioannis (Hellenic Space Center); GONTIKAKIS, C.; VLAHAKIS, N.

Presenter: MICHAILIDIS, Angelos (National and Kapodistrian University of Athens, Research Center For Astronomy and Applied Mathematics of Academy of Athens)

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