

## **EVALUATION AND EVOLUTION OF SPEED FOR HALO AND PARTIAL HALO CMES**

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Halo CMEs are known to be directed towards the Earth; and therefore are of great interest in space weather forecasting. Two main issues are involved in making good arrival predictions: the precision of the evaluation of the initial parameters near the Sun and an appropriate model for ICME propagation. The initial CME speed and direction are needed to infer the travel time, but these crucial parameters are difficult to obtain for earthward pointed CMEs. In this work we identified halo and partial halo CMES associated to EIT flares and Interplanetary Shocks. Considering the location of the flare and the projection effect we evaluated the initial speed of the CME; using the initial values we calculated the arrival time and speed and compared these values to the ones of the ICME related. We found a good approximation to the actual parameters, showing that the models applied in the evaluation of the initial parameters and the prediction of the final ones are consistent to the real evolution of the phenomena.

Coronal Mass Ejections, Interplanetary Shocks, Solar Wind

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