

A19b **CME parameters obtained by the model and solar corona and solar wind features**

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Geomagnetic storms are caused by strong southwards magnetic field of solar wind associated with Coronal Mass Ejections (CMEs). Intense geomagnetic storms affect power grids and sometimes cause power blackout. Hence, accurate prediction of CME effect is important for space weather. CMEs are observed as projection onto the plane of the sky using coronagraph. As the result, obtained CME parameters (such as speed, direction, and angular width) are apparent ones. It is a problem for prediction of arrival of CMEs to the Earth because the parameters including projection effect become a source of prediction error. In this study, we determined the CME parameters using the cone model (Xie et al., 2004) and compared the obtained parameters with solar corona and solar wind features. We will report the result of our analysis.