



SHEBA - HELIO's propagation model: a walk through its possibilities

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The Heliophysics Integrated Observatory (HELIO) is a software infrastructure involving a collection of web services, heliospheric data sources (e.g., solar, planetary, etc.), and event catalogues – all of which are accessible through a unified front end. HELIO brings to the scientist the possibility to search an event occurred in the heliosphere and find out which other events are linked with the one under study. To get the relation between events HELIO uses SHEBA (Solar–Heliospheric Event Ballistic Algorithm), a simple propagation model for Coronal Mass Ejections, Solar Energetic Particle and Co-rotating Interaction Regions. This poster explains the basics of SHEBA and it walks through real-case scenarios of its use.