

Unresolved questions about the heliosphere

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Over the course of more than six decades numerous and sophisticated models of the interaction of the solar wind (SW) with the Local Interstellar Medium (LISM) have been developed. As a result of this interaction, the heliosphere was formed. Understanding of the heliosphere and surrounding it region is necessary to enable future investigations, aimed for example at exploring the structure and evolution of other astrospheres. Between many unresolved science questions on the nature of the heliosphere two are fundamental: “how does the heliosphere look like?” and “where is the nose of the heliosphere?” The aim of this presentation is to try to answer these questions.

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