

Contributed Talk

Splinter Plasma

THE STRUCTURE OF THE HELIOSPHERE AND ASTROSPHERES:
MEASUREMENTS AND SIMULATIONS

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In recent years significant progress has been made regarding the large-scale structures of the Heliosphere and of Astrospheres and, via this, about the interstellar media surrounding these stellar wind cavities. This progress is, on the one hand, driven by heliospheric spacecraft measurements particularly in the transition region to the local interstellar medium, and, on the other hand, by intensified campaigns regarding remote observations of other stars. In the talk the latest results will be discussed along with those of comprehensive simulations of the interactions of stellar winds with their interstellar environments. The accordingly refined or modified corresponding paradigms will be presented.