



Energetic Neutral Atoms (ENAs) produced along the Voyager trajectories and implications for modeling of the inner heliosheath

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Over the past years, we have developed our model for the production of Energetic Neutral Atoms (ENAs) produced in the inner heliosheath, and how they relate to the skymaps obtained by the IBEX mission. We now present first results of a study aiming to improve our initial models for the outer heliosphere with independent observational data. The main contribution to this input is derived from the two Voyager spacecraft, which provide the only directly observed informations on plasma properties of the heliospheric boundary layer. As it turns out, no existing model is able to describe, globally and self-consistently, all observations by the Voyagers, so a new and improved description is clearly required. We present first results on dynamic aspects of the heliosphere that must be respected by a realistic model, and how this will be reflected by ENA fluxes.