## Effects of charge exchange cross section on ENAs

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A crucial point in interpreting the data of the upcoming IBEX mission is a good knowledge of the charge exchange cross section between shocked solar wind protons and interstellar hydrogen. There exists at least four formulae, which describe the data for the respective cross section. We will discuss the effects of the different cross sections for the ENA flux at Earth, as well as on the structure of the outer heliosphere and the hydrogen distribution inside.